Retail Supply Tariff

FY2023-24

ORDER

on

Tariff for Retail Sale of Electricity during FY2023-24

Andhra Pradesh

Electricity Regulatory Commission

4th Floor, Singareni Bhavan, Red Hills, Lakdi-ka-pul, Hyderabad 500 004

Andhra Pradesh Electricity Regulatory Commission

4th Floor, Singareni Bhavan, Red Hills, Lakdi-ka-pul, Hyderabad 500 004

ORDER

on

Tariff for Retail Sale of Electricity during FY2023-24

25th March, 2023

In the areas of Supply of

Southern Power Distribution Company of A.P. Ltd. (APSPDCL)

A P Central Power Distribution Corporation Ltd. (APCPDCL)

Eastern Power Distribution Company of A.P. Ltd. (APEPDCL)

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FROM THE CHAIRMAN'S DESK

It has been nearly a year since the Commission released the Retail Supply Tariff Order for FY 2022-23 on March 30, 2022. The COVID-19 pandemic which claimed countless lives, leading to immense personal loss and grief for families and caused significant economic damage, has fortunately subsided to a significant extent during the current financial year. We can now heave a sigh of relief as the new variants of COVID-19 no longer pose a significant threat to public health. In some regions of the country, there has been an unexpected surge in the demand for power after the COVID-19 pandemic, which has led to a sharp increase in energy prices in power exchanges. This, in turn, has significantly impacted the finances of DISCOMS during the current fiscal year.

While conducting the hearings in virtual mode during the COVID-19 pandemic, the Commission recognised the numerous benefits this mode offers to the participants such as the convenience to participate in the hearings from the comfort of their homes or from one of the Division offices of the DISCOMs, leading to greater participation of the public. Additionally, this mode results in cost savings for participants and eliminates the physical strain of long-distance travel. Therefore, the Commission conducted the public hearings on the ARR, Tariff, and Cross Subsidy Surcharge proposals filed by the DISCOMs for FY 2023-24 in virtual mode from Visakhapatnam, from 19th to 21st of January 2023.

I am pleased to share with you that the Commission has decided to keep the existing tariffs unchanged for the upcoming fiscal year, with the exception of the Energy Intensive Industries category. This move would help to alleviate any further financial burden on consumers. However, the Commission has slightly modified the tariffs for the Energy Intensive Industries sector by introducing demand charges, as the current tariffs, across all voltage levels, do not reflect the actual cost of service and are lower

than those charged for comparable industries in other states. The Commission has provided exemptions to certain marginal cottage industries and small flour mills from kVAh billing.

One of the crucial responsibilities of the Commission is to strike a balance between the interests of DISCOMs and consumers while determining tariffs. However, it is also equally essential for the Commission to ensure that DISCOMs provide consumers with better services, maintain transparency and accountability, and enhance their operational and financial efficiency. To achieve these objectives, the Commission has taken the following initiatives in recent times.

- Introduction of 'Automatic Payment of Compensation Mechanism' to hold DISCOMs accountable for non-compliance with standards of performance in critical areas. This mechanism has had a significant impact on the DISCOMs' mindset, encouraging greater accountability and the provision of more prompt and effective services, due to the potential threat of having to pay compensation.
- Improvement of transparency and efficiency in the release of agriculture services by directing DISCOMs to strictly adhere to seniority lists and display them on their websites. This initiative has led to the timely release of power supply to agriculture consumers, without there being any waiting lists.
- Directions to the utilities to make regulatory information readily available to consumers on their websites. This information will keep consumers informed about the latest developments and changes in the regulatory landscape.
- Framing of the Regulation requiring DISCOMs to obtain approval before engaging in short-term power purchases, except in emergency situations. The Commission is meticulously examining the proposals for such purchases and is granting approvals only upon satisfaction with their necessity.
- Adoption of a prudent approach when evaluating proposals from DISCOMs for purchasing power from new power stations, such as those operated by NTPC, on a long-term basis.
- Proactive measures to prevent the recurrence of R&C measures that were implemented during April and May of the current financial year and maintain 24x7 power supply to the consumers in the ensuing fiscal year.
- Addressing letters to the GoAP to release the pending dues and issuing stern directions to the DISCOMs to realise the subsidy dues from GoAP, electricity dues from Govt. departments, and local bodies and to disconnect the services if the dues are not paid.
- Sanction of a pilot project permitting AP State Energy Efficiency Development Corporation Limited to implement an on-bill financing model for the sale of energy-

efficient fans, bulbs, and air conditioners in three districts of the State. Under this scheme, energy-efficient fans, bulbs, and air conditioners are distributed to consumers in the state on a credit basis, with the aim of reducing energy consumption and promoting sustainability.

- Obtaining periodical reports on safety measures being implemented and issuing directions to the DISCOMs with the aim of reducing the number of electrical accidents and ensuring expeditious payment of compensation though safety measures fall within the realm of the Chief Electrical Inspectorate,
- Conduct of regular field visits to inspect substations and feeders and holding review meetings in various districts to evaluate the performance of DISCOMs and issue appropriate directions for strengthening the network, reducing feeder overloads, and improving overall performance.
- Revival of sick industrial policy, which relieves industries of the obligation to pay minimum charges to support sick industries and promote industrial growth.
- Directions to the DISCOMs to exclude electricity duty from the calculation of additional security deposits for industrial and other consumers.

In addition to the aforementioned measures, the Commission is actively monitoring the performance of CGRFs and the Vidyuth Ombudsman to ensure the timely resolution of consumer complaints. Whenever necessary, the Commission is providing appropriate guidance to these entities. In addition, the Commission is aiding consumers in addressing their legitimate grievances by calling for reports from licensees and issuing appropriate directions to them to redress the grievances.

The State Government has been extremely cooperative in coming forward to bear the entire subsidy burden of Rs.10,135 Crores thereby helping avoid the need for increasing tariffs on consumers to cover the revenue shortfall.

I would like to express my appreciation to the CMDs, officers and the staff of the DISCOMs, and other stakeholders for their unwavering cooperation throughout the public hearings. I would also like to acknowledge and commend the representatives of political parties and consumer organizations for their decorum and dignity while presenting their views during public hearings. Their professional approach and constructive input have contributed to the overall quality and output of this RSTO.

I acknowledge the invaluable support provided by my fellow Commission members, Sri P. Raja Gopal Reddy and Sri Thakur Rama Singh, during this challenging task. I must also acknowledge the significant contribution of the SAC members, who provided valuable suggestions during the meeting held on 20.02.2023. The officers and staff of the Commission, notably Mr. D. Ramanaiah Setty, Dy.Director (Tariff Engg.), Mr. K. Raja Bapaiah, Commission Secretary$_{(I/c)}$ and Mr. P. Krishna, Consultant (TAM) ably supported by Smt. P.V. Padmaja, Private Secretary deserve special mention for their relentless efforts in completing this mountainous and unenviable task. Before concluding, I may say that the Commission has endeavoured to address the concerns of all stakeholders and come out with a well-balanced order, given the various constraints.

With due regards

Yours sincerely,

(JUSTICE C. V. NAGARJUNA REDDY)
CHAIRMAN

ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION HYDERABAD

Present

Sri Justice C.V. Nagarjuna Reddy, Chairman

Sri P. Rajagopal Reddy, Member

Sri Thakur Rama Singh, Member

SATURDAY, THE TWENTY FIFTH DAY OF MARCH, TWO THOUSAND AND TWENTY THREE

In the matter of

TARIFF DETERMINATION FOR RETAIL SALE OF ELECTRICITY DURING FY2023-24

in

O.P.No.65 of 2022
Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL)

O.P.No.66 of 2022
Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL)

and

O.P.No.67 of 2022
Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL)

The Aggregate Revenue Requirement (ARR) and Filing for Proposed Tariff (FPT) filed by Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL or SPDCL) vide O.P.No.65 of 2022, Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL or CPDCL) vide O.P.No.66 of 2022 and Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL or EPDCL) vide O.P.No.67 of 2022 and in respect of their individual Retail Supply businesses for various consumer categories for FY2023-24 came up for consideration before the Commission. Upon following the procedure prescribed for determination of such tariff u/s 64 of the Electricity Act, 2003 (Central Act 36 of 2003) and after careful consideration of the material available on record, the Commission in exercise of the powers vested in it under the said Central Act 36 of 2003, the Andhra Pradesh Electricity Reform Act, 1998 (State Act 30 of 1998) and the APERC (Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005 (Regulation 4 of 2005) hereby passes this tariff determination order.

COMMON ORDER

CHAPTER – I

INTRODUCTION

1. Consequent to the coming into force of the Andhra Pradesh Reorganization Act, 2014 (Central Act 6 of 2014) (hereinafter referred to as the Reorganization Act) and in terms of the provisions of section 92 of the said Act read with Schedule XII (C) (3) and Section 82 of the Electricity Act, 2003, the Government of Andhra Pradesh issued a notification in G.O.Ms.No.35, Energy (Power-III) Department, dt.01.08.2014 constituting the Andhra Pradesh Electricity Regulatory Commission (hereinafter referred to as 'The Commission').

APERC (Adaptation) Regulation, 2014

2. In exercise of the powers conferred by Section 181 of the Electricity Act, 2003 (Central Act 36 of 2003) and all other powers thereunto enabling, including those conferred by the Andhra Pradesh Electricity Reform Act, 1998 (State Act 30 of 1998) and the A.P. Reorganization Act, 2014, the Commission issued APERC (Adaptation) Regulation, 2014 (Regulation No.4 of 2014) and notified that with effect from 01.08.2014, whereby all regulations made by, all decisions, directions or orders of, and all the licenses and practice directions issued by the Commission in existence as on the date of G.O.Ms.No.35, dt.01.08.2014 referred to above, shall apply in relation to the State of Andhra Pradesh and shall continue to have effect until duly altered, repealed or amended. The said Regulation No.4 of 2014 was published in the Extraordinary Gazette of the State of Andhra Pradesh on 29.11.2014.

3. In addition to the two licensees, i.e., APSPDCL and APEPDCL, in exercise of its powers conferred under section 14 of the Electricity Act, 2003, the Commission granted a license to the Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur, and Prakasam districts of Andhra Pradesh State for 25 years with effect from 01-04-2020. Accordingly, APCPDCL is carrying on the Retail Supply and Distribution Business with effect from 01-04-2020 in the three districts of Krishna, Guntur, and Prakasam. These three districts were under the jurisdiction of APSPDCL till 31.03.2020.

Statutory Provisions

4. Section 64(3) read with section 62(d) of the Electricity Act, 2003 stipulates that the Commission shall determine tariff for the retail sale of electricity for the Distribution Licensees.

5. Regulation 4 of 2005 notified by the Commission introduced Multi Year Tariff (MYT) framework and accordingly, each distribution licensee has to file ARR along with FPT with the Commission for determination of Tariff for (a) Distribution business (Wheeling Charges) and (b) Retail Supply Business, for a period of 5 years (called

Control Period). The 4th Control Period covers five years from FY2019-20 to FY 2023-24.

Filing requirements and permission for Annual Filings

6. The Central Act 36 of 2003 as well as Regulation 4 of 2005 mandate that a distribution licensee shall file for each of its licensed businesses an application, in such form and in such manner as specified and in accordance with the guidelines issued by the Commission for each year of the Control Period, not less than 120 days before the commencement of the first year of the Control Period, for approval of the Commission. Hence, SPDCL, EPDCL, and CPDCL (hereinafter jointly referred to as the 'Distribution Companies' or 'DISCOMs') had to file their Aggregate Revenue Requirement (ARR) and Filings for Proposed Tariff (FPT) before 30.11.2022 as per Regulation 4 of 2005.

ARR, FPT Filings for FY 2023-24, Public Notice and information to GOAP

7. Accordingly, the DISCOMs have filed separate petitions seeking approval of their Aggregate Revenue Requirements (ARR), Filings for Tariff Proposals (FPT), along with Cross Subsidy Surcharge (CSS) proposals for FY 2023-24 on 30.11.2022. The ARRs & FPTs, Cross Subsidy Surcharge proposals for FY 2023-24 filed by the DISCOMs have been taken on record by the Commission and were assigned O.P. Nos.65 of 2022, 66 of 2022, and 67 of 2022 for APSPDCL, APCPDCL & APEPDCL respectively.

8. The filings along with the computation sheets in excel submitted by the DISCOMS were uploaded on the Commission's website. By letter dated 12.12.2022, the Commission directed the DISCOMs to issue a public notice in the Telugu language in two Telugu daily newspapers and in the English language in two English daily newspapers incorporating a summary of their ARRs, FPT Schedules, CSS proposals for FY 2023-24 that were submitted to the Commission, for information and calling for views/objections/suggestions on the same from individuals, representatives of consumer organizations and other stakeholders to be submitted on or before 05.00PM of 05.01.2023. The DISCOMS were directed to upload the filings and computations in excel sheets that were submitted to the Commission on their websites and to make available the copies of the same at their respective corporate offices and also at circle offices for sale at the nominal rate of Rs.100 per copy and summary of the filings at a rate of Rs.10 per copy. The DISCOMS were also directed to permit the interested person(s) for the perusal of ARR, Tariff & CSS filings, to take notes thereof during office hours at any of the said offices free of charge.

9. Further, the Commission decided to conduct public hearings through video conference on the 19th, 20th, and 21st of January 2023 on the filings of all three DISCOMS. The DISCOMs were therefore directed to publish in the same public notice on filings, the date & timings, the manner and procedure of conducting public hearings through video conference, and the link for live streaming of the event for the

benefit of the public.

10. In compliance with the directions of the Commission, the DISCOMs caused the publication of public notices in their respective areas of operation, in the Telugu Language in two (2) Telugu daily newspapers (in 'Sakshi' and 'Eenadu' newspapers on 15.12.2022) and in the English Language in two (2) English daily newspapers (In 'The HINDU' and 'The Times of India' newspapers on 15.12.2022) - (Annexure-01) incorporating a summary of their ARRs, proposed Tariff Schedules, CSS proposals for various consumer categories FY 2023-24 & other details as directed, inviting views/objections/ suggestions on these filings. It was also informed in the public notice that all the interested persons/associations/stakeholders/objectors who want to be heard in person/through authorized representatives may appear before the Commission during the public hearings through video conference. The filings & computations in excel sheets were also uploaded on the websites of the DISCOMS.

11. The Commission vide its letter dated 28.12.2022 communicated the schedule of public hearings through video conference to the Energy Department/ Government of Andhra Pradesh, and required the presence of a responsible officer from GoAP in the public hearings to make a statement before the Commission on the filings of the DISCOMS and on any subsidies the Government of Andhra Pradesh intends to provide under Section 65 of the Electricity Act, 2003 to various consumer categories for FY 2023-24.

Response to the Public Notices

12. In response to the public notices, the Commission received several objections/suggestions/views in writing through emails and/or in person at its Office and also through video conference during the public hearings. The views/objections/suggestions received reflected all shades of public opinion on the issues and questions involved including responses from Organizations of Industry, Trade, Consumers, Farmers, Employees, Labourers, Political Parties, Awareness Groups, and Non-Governmental Social Activists as well as experienced and expert individuals acting in the public interest. As directed by the Commission, the DISCOMS sent their written replies to the views/objections/suggestions received before the due date from various stakeholders.

Public Hearings

13. The Commission conducted public hearings through video conference in the presence of all the CMDs and the officers concerned of the DISCOMS at the Conference Hall, Visakhapatnam from 10.30 AM onwards on 19-01-2023, 20-01-2023, and 21-01-2023, in order to have the widest consultations possible and also the benefit of maximum inputs in finalizing the tariff for the retail sale of electricity by the DISCOMS including CSS for various consumer categories for FY2023-24. Names of the stakeholders to be heard day-wise as per seriatim were hosted on the Commission's

website well in advance.

14. The DISCOMS have made uninterrupted video conference arrangements at each and every Executive Engineer's operation office in each district having given wide publicity through print and electronic media about public hearings and participation facilities to the public for submitting their views/objections/suggestions to the Commission on their ARR, Tariff, and CSS proposals. The public hearings were conducted from 10.30 AM to 4.30 PM (with a lunch break of one hour) or till all the objectors were fully heard on all three days. The Chairman & Managing Director of each DISCOM made a brief presentation on their filings at the beginning of the first day. Then the stakeholders who registered for participation in the public hearings as per seriatim published day-wise on Commission's website were heard in detail apart from receiving all written representations presented by them during the three days of the public hearing. The Commission also heard the views/objections/suggestions from persons who have not registered to speak during the public hearings but appeared during public hearings through video conference, after hearing the registered objectors every day. At the end of the third day, the Chairman & Managing Director of the DISCOMS concerned gave a detailed response to each of the views/objections/suggestions presented by the objectors during the three days of the hearings. The representative of GoAP also presented the Government's response to the proposals of the DISCOMS and the public views.

15. After the public hearings, the Commission held a meeting of the State Advisory Committee (SAC) on 20.02.2023 in the Corporate Office of APSPDCL at Tirupati, wherein the views of the members on the ARRs, FPTs, and CSS proposals of the DISCOMS were elicited. The CMDS of the DISCOMS were also invited to the SAC meeting as special invitees.

16. The views/objections/suggestions expressed by the stakeholders and/or their representatives (Annexure-02), in writing and/or in person through video conference and the replies furnished by the DISCOMS in writing and/or through oral responses during the public hearings in respect of ARR, Tariff, and CSS proposals of the DISCOMS for FY 2023-24 and the views expressed by the members of the State Advisory Committee (SAC) in the SAC meeting on the filings of the DISCOMS (Annexure-13), have been carefully considered by the Commission while arriving at the conclusions in this Order, in so far as the determination of ARR, Tariff, and CSS for various consumer categories for FY 2023-24 is concerned.

Summary of Filings

17. The summary of the filings of the three DISCOMS is placed in the following paragraphs:

Sales and Power Purchase Requirement

18. The DISCOMs forecasted/estimated the sales volume to the different consumer categories during FY 2023-24 at 68519.92MU for the entire State, comprising 26280.91MU in respect of SPDCL, 26992.49 MU in respect of EPDCL, and 15246.52 MU in respect of CPDCL in their respective areas of supply. The power purchase requirement is arrived at by grossing up sales at respective voltage levels with applicable losses. For grossing up the sales, the DISCOMS have adopted the following percentage losses:

a) Distribution losses: The distribution loss percentages projected voltage-wise by APSPDCL, APEPDCL, and APCPDCL for FY 2023-24 are as follows:

Voltage Level	APSPDCL	APCPDCL	APEPDCL
33 kV	3.20	3.12	3.270
11kV	3.31	3.17	3.060
LT	5.08	3.74	4.380

b) Transmission losses: The Transmission losses have been considered as 3.75% and used to gross up the total energy requirements at DISCOM periphery.

The power purchase requirement for FY 2023-24 for the State as a whole was computed at 76774.30 MU by grossing up the forecasted sales volume with applicable losses at the loss percentages as stated above. The summary of sales, losses, and power purchase requirements as per filings is given in the table below:

Table 1: Filings - Sales, Losses, and Power Purchase Requirement

Sl. No.	DISCOM	Sales (MU)	Losses (MU)	Power purchase requirement (MU)
(a)	(b)	(c)	(d)	(e)=(c)+(d)
1	SPDCL	26280.91	3278.13	29559.04
2	CPDCL	15246.52	1980.75	17227.27
3	EPDCL	26992.49	2995.5	29987.99
4	Total	68519.92	8254.38	76774.30

Energy availability and Surplus/Deficit

19. Based on contracted supply sources, the DISCOMs have estimated the available energy during FY2023-24 at 89243.56 MU for the entire State. The summary of power purchase requirement, availability, and surplus/deficit for each DISCOM and for the entire State as per the filings is shown in the table below:

Table 2: Filings - Energy availability and Surplus/Deficit (MU)

Item	APSPDCL	APCPDCL	APEPDCL	Total
(1)	(2)	(3)	(4)	(5)
Availability	44228.45	17683.44	27331.67	89243.56
Power Purchase Requirement	29559.04	17227.27	29987.99	76774.30
Surplus/Deficit (-)	14669.41	456.17	-2656.32	12469.26

Aggregate Revenue Requirement Items

20. The DISCOMS computed/estimated the power purchase cost based on the expected volume of dispatch for each month (depending on monthly sales volume), and fixed and variable costs applicable as per CERC/APERC orders for each generation source/station for FY 2023-24. The transmission cost is stated to be as per the order dated 08.03.2019 issued by the Commission on Transmission Tariffs. The State Load Dispatch Centre (SLDC) cost is stated to be as per the order dated 08.03.2019 issued by the Commission on SLDC Fees and Operating Charges. The distribution cost is stated to be as per the order dated 15.04.2019 issued by the Commission on Wheeling Tariffs for the distribution business. The costs associated with the usage of the PGCIL network are based on the latest rates approved by CERC to evacuate the power from Central/Interstate Generating stations. The interest cost on consumers' security deposits is stated to be as per the regulation in vogue. The supply margin is stated to be computed at the rate of 2 percent on the 25 percent equity portion of the approved regulated rate base as per Distribution MYT Order dated 15.04.19 issued by the Commission.

21. The other costs are stated to be for the amounts payable towards agricultural solar pump sets, energy efficient pump sets, expenses for safety measures, expenses for grants to APSEEDCO as per the orders of the Commission, etc. The amounts payable towards pension funds are shown as separate items in ARR by all three DISCOMs. But, APSPDCL has shown them under network costs whereas APEPDCL & APCPDCL have shown them as part of supply cost.

22. With these ARR line items, as detailed above, the DISCOMs computed/estimated the ARR for FY 2023-24 as shown in the table below:

Table 3: Aggregate Revenue Requirement (ARR) / Cost Items (Rs. Cr.)

Sl. No.	ARR Items	SPDCL	CPDCL	EPDCL	TOTAL
1	Transmission Cost	1,415.79	817.08	1,163.96	3,396.83
2	SLDC Cost	50.81	10.07	15.51	76.39
3	Distribution Cost	4,414.29	2,578.15	3,351.66	10,344.10
4	Additional Interest on Pension bonds as per APGENCO Order	412.53	0.00	0.00	412.53
5	PGCIL Expenses	769.41	364.10	565.03	1,698.54
6	ULDC Charges	1.28	0.74	1.15	3.17
7	Network and SLDC Cost (1+2+3+4+5+6)	**7,064.11**	**3,770.14**	**5,097.31**	**15,931.56**
8	Power Purchase Cost	13,555.63	8,013.31	13,892.31	35,461.25
9	Interest on CSD	137.57	88.00	143.36	368.93
10	Supply Margin in Retail Supply Business	45.04	25.99	26.48	97.51
11	Other Costs, if any	68.43	5.39	50.06	123.88
12	Additional Interest on pension bonds (As approved in APGENCO MYT order)	0.00	238.09	369.48	607.57
13	Supply Cost (8+9+10+11+12)	**13,806.67**	**8,370.78**	**14,481.69**	**36,659.14**
14	Aggregate Revenue Requirement (**ARR) (7+13**)	**20,870.78**	**12,140.92**	**19,579.00**	**52,590.70**

Expected Revenue from Charges (ERC)

23. The DISCOMs computed the Expected Revenue from Charges (ERC) by applying the existing/current tariff for the forecasted retail sales to different consumer categories in their respective areas of supply during FY 2023-24. The DISCOMS submitted the proposals for modification of the tariff for HT Category III (C) Energy Intensive Industries in FY 2023-24. The summary of ARR, ERC (current tariffs), ERC (proposed tariffs), and Revenue Gap with and without category/tariff modifications for each licensee during FY 2023-24 as per the filings is given in the table below:

Table 4 : Filings: ARR, ERC and Revenue Gap for FY 2023-24 (Rs. Cr.)

S. No.	Item	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	ARR	20870.78	12140.92	19579.00	52590.70
2	Revenue from Current Tariffs	12905.98	8625.12	15189.16	36720.26
3	Non-Tariff Income	1312.10	440.23	456.67	2209.00
4	Revenue from CSS	106.18	32.57	35.18	173.93
5	Revenue from RECs	0.00	0.00	0.00	0.00
6=(2)+(3)+(4)+(5)	Total Revenue	14324.26	9097.92	15681.01	39103.19
7= (1)-(6)	Revenue Gap at present Tariffs	6546.52	3043.00	3897.99	13487.51
8	Addl. Revenue from Proposed category / Tariff modifications	90.89	2.24	603.93	697.06
9	Addl. Revenue as per Go.Rt.No.161, dt.15-11-2021	6455.63	3040.76	3294.07	12790.46
10 = (7)-(8+9)	Net Revenue Gap at proposed Tariffs	0.00	0.00	0.00	0.00

24. The DISCOMS have filed Zero Net Gaps by proposing a Full Cost Recovery tariff.

Tariff Proposals for FY 2023-24

25. The DISCOMs have proposed to continue with the same five (5) categories as approved by the Commission from FY2019-20.

Proposals on HT-III (C) Energy Intensive Industries

26. The DISCOMS submitted the proposals for modification of the tariff for HT Category-III (C) Energy Intensive Industries during FY 2023-24. The modifications and reasoning for such modification as furnished by the EPDCL are placed herein, and the other two DISCOMS also submitted the same modifications and similar reasoning.

a) Presently Energy Intensive Industries are categorized as a separate sub-category under HT-Industry-III (C), in the Retail Supply Tariff Order. This tariff is applicable to Ferro Alloy Industries, PV ingots and cell manufacturing units, Poly Silicon Industry, and Aluminium Industry.

b) Energy Intensive Industries category has been conferred a separate sub-category under Industry-General for several years, with a concessional tariff without Demand Charges. A comparison of the Voltage wise tariffs for the HT General Industry and Energy Intensive Industry is presented below:

Category	**Demand Charges (Rs/kVA/ Month)**	**Energy Charges (Rs/kWh)**				
Voltage Level		11kV	33 kV	132 kV	220kV	Time of the Day Tariff (ToD)
Energy Intensive	NIL	5.8	5.35	4.95	4.90	NIL
Industry– General	475	6.3	5.85	5.4	5.35	Applicable

c. For the current financial year 2022-23, the estimated quantum of consumption in this sub-category is around 3853.24 MU and for the ensuing financial year FY2023-24, the consumption is expected to grow at 6.64% and may attain a level of 4109.27 MU. There are 23 services across different voltages in this sub-category.

d. The basic premise to categorize Energy Intensive Industries as a separate sub-category is that they are bulk loads that operate at higher load factors of more than 85 percent and thus resemble a flat load curve which would contribute to a stable grid operation. This is the reason for extending concessional tariffs to these consumers. There is a guarantee that these units offtake energy from the grid on a constant basis.

e. Approved Cost of Service for the Current Financial Year as per the Retail Supply Tariff Order is Rs.6.72/Unit, whereas the Revised estimate based on six months (April-September 2022) actuals is higher by almost 59 paise per unit at Rs.7.31/Unit. For the ensuing financial year FY2023-24, the CoS is estimated to be Rs.7.25/Unit. When compared to the CoS the concessional tariff applicable to Energy Intensive Industry is almost Lower by Rs.2.0 - Rs.3.0/Unit across voltages.

f. Till the last financial year, with regard to the Energy intensive consumers, there was a specific condition in the Retail Supply Tariff order that these consumers shall draw the entire power requirement from DISCOMS only. This is imposed since the tariff is concessional when compared to the Industry General category. Peak Time of the Day (ToD) in disincentive/incentive tariff was also not made applicable to these Units. Consequent to an order of the Hon'ble APTEL in an appeal by one of these consumers, the condition of offtake of 100% energy requirement from DISCOMS has been removed during the current financial year FY 2022-23.

g. The removal of this tariff condition is enabling the Energy Intensive Units to procure power from the short-term market in time periods whenever the same

is available at lesser than DISCOM's concessional tariff. Thus, the Energy intensive consumers are availing the double benefit of concessional DISCOM tariff and cheaper market power. This is resulting in stranding of the capacity of the committed generation from the approved sources from which the DISCOMs have been procuring power under the long-term agreements. The DISCOMs are ending up paying higher fixed costs towards generation availability which was not utilized.

h. Further, till FY 2016-17, there was a specific tariff condition applicable to Energy Intensive-Ferro Alloy Industries, as stated below:

"HT Supply-Specific Conditions:
(2) H.T-I (B)- FERRO ALLOY UNITS: Guaranteed energy off-take at 6701 kVAh per kVA per annum on Average Contracted Maximum Demand or Average Actual Demand whichever is higher. The energy falling short of 6701 kVAh per kVA per annum will be billed as deemed consumption."

i. The above-guaranteed energy consumption of 6701 kVAh per annum was derived from an annual Load Factor of 85%.

j. By virtue of Open Access, these Energy-intensive Industries also get a chance to procure cheaper power from the market within their contracted capacity as and when available, even in intermittent time blocks/periods. This will vitiate the very purpose of according to concessional tariff to Energy Intensive Industries that they would draw power from the DISCOM's sources on a constant basis. In every time block/period, the Energy Intensive Industry procures market power, the Generating Sources with whom the DISCOMs have contracted have to be backed down to that extent, thus imposing additional fixed cost liability and increased wear & tear cost of generation (Balancing Cost) which ultimately has to be borne by the DISCOMS.

k. Section 62 (3) of Electricity Act-2003 states that:

"*The Appropriate Commission shall not, while determining the tariff under this Act, show undue preference to any consumer of electricity but may differentiate according to the consumer's load factor, power factor, voltage, total consumption of electricity during any specified period or the time at which the supply is required or the geographical position of any area, the nature of supply and the purpose for which the supply is required."*

l. Since this sub-category has been devised with a commitment from both sides (DISCOMS and Consumer) that concessional tariff is given provided they maintain constant draw from DISCOMS to enable the stable operation and enhance the reliability & security of the Grid. Permitting OA to the Consumer to draw power from other sources (other than DISCOM) at the whims & fancies of these consumers cannot be entertained in the best interest of the DISCOMS.

m. If the OA is to be allowed, the Consumer shall bind to a minimum of 85% Load Factor Consumption with DISCOM as per the tariff condition and any incremental consumption over & above 85% of the Contracted Demand with DISCOMS can be permitted to be drawn from OA sources. In the event of failure to comply with this Load Factor restriction, the consumer shall be made liable to pay deemed consumption charges for the shortfall consumption from APDISCOMS.

n. There has been no tariff change for the energy-intensive industries category during the last five years.

o. In view of the above, The DISCOMS proposed the demand charges and ToD charges that are applicable to Industry General also to the Energy intensive Industries, and additionally minimum offtake of 85 of their requirement from DISCOMS. The additional revenue the DISCOMS are expected on account of this modification is shown below:

Sl. No.	**Head**	**Estimated Annual Revenue (Rs. Cr.)**			
		APSPDCL	**APCPDCL**	**APEPDCL**	**Total**
1	Demand Charges to Energy Intensive Industry on par with HT industry demand charges	60.86	1.86	364.65	427.37
2	The ToD Charges to Energy Intensive category on par with HT industry demand charges	3.61	0.07	106.26	109.94
3	The Guaranteed Consumption @ 85% Load Factor	26.42	0.31	133.02	159.75
	Total	**90.90**	**2.24**	**603.93**	**697.06**

Accordingly, the DISCOMS requested the Commission to consider the above proposals in the best interests of sustainability of distribution utilities.

27. The DISCOMS stated that there is no change in the Tariff & terms and conditions of other categories except HT Category III(C) Energy Incentive Industries as shown above.

28. The DISCOMs have submitted proposed tariffs along with full cost recovery tariff in terms of G. O. Rt. No.161, dated 15.11.2021 as given below for consumers of LT supply and the proposed & full cost tariffs are the same as retail supply tariffs approved in RST Order for FY 2022-23 in respect of consumers availing HT supply.

Category	Group	Sub - Category	Fixed Charges (Rs/KW/ Month or Rs/KVA/ Month)	Proposed Energy Charges	Full Cost Recovery of Energy Charges as per the directions of GoAP (Rs./Unit)		
					SPDCL	CPDCL	EPDCL
LT Power Supply							
I : Domestic	A	0-30	10	1.90	4.60	4.14	3.91
I : Domestic	A	31-75	10	3.00	5.60	4.66	4.59
I : Domestic	B	76-125	10	4.50	6.60	6.10	4.69
I : Domestic	B	126-225	10	6.00	7.57	7.84	6.00
I : Domestic	B	226-400	10	8.75	8.75	8.75	8.75
I : Domestic	B	>400	10	9.75	9.75	9.75	9.75
II : Commercial & Others	A (ii)	0-50	75	5.40	5.40	5.40	5.40
II : Commercial & Others	A (ii)	51-100		7.65	7.65	7.65	7.65
II : Commercial & Others	A (ii)	101-300		9.05	9.05	9.05	9.05
II : Commercial & Others	A (ii)	301-500		9.60	9.60	9.60	9.60
II : Commercial & Others	A (ii)	Above 500 Units		10.15	10.15	10.15	10.15
II : Commercial & Others	A (iii)	Advertising Hoardings	100	12.25	12.25	12.25	12.25
II : Commercial & Others	A (iv)	Function halls / Auditoriums	-	12.25	12.25	12.25	12.25
II : Commercial & Others	B	Startup Power	-	12.25	12.25	12.25	12.25
II : Commercial & Others	C	Electric Vehicles / Charging Stations	-	6.70	6.70	6.70	6.70
II : Commercial & Others	D	Green Power	-	12.25	12.25	12.25	12.25
III : Industry	A	Industry (General)	75	6.70	6.70	6.70	6.70
III : Industry	B	Seasonal Industries (Off-Season)	75	7.45	7.45	7.45	7.45
III : Industry	D	Cottage Industries upto 10 HP *	20	3.75	3.75	3.75	3.75
IV : Institutional	A	Utilities	75	7.00	7.00	7.00	7.00
IV : Institutional	B	General Purpose	75	7.00	7.00	7.00	7.00
IV : Institutional	C	Religious Places	30	5.00	5.00	5.00	5.00
V:Agriculture	A (i)	Corporate farmers	-	3.50	3.50	7.57	7.41
V:Agriculture	A (ii)	Non-Corporate farmers	-	-	8.19	8.03	7.52
V:Agriculture	A (iii)	Salt farming units upto 15 HP	-	2.50	2.50	7.62	7.48
V:Agriculture	A (iv)	Sugarcane crushing	-	-	8.19	6.66	7.39
V:Agriculture	A (v)	Rural Horticulture Nurseries	-	-	8.19	7.76	7.52
V:Agriculture	A (vi)	Floriculture in Green House	75	4.50	4.50	4.50	4.50
V:Agriculture	B	Aquaculture and Animal Husbandry	30	3.85	3.85	7.50	7.22
V:Agriculture	D	Agro based Cottage Industries upto 10HP	20	3.75	3.75	7.45	6.91
V:Agriculture	E	Government / Private Lift Irrigation Schemes	-	6.40	6.40	7.75	6.40

29. The DISCOMS have also filed statements of variations of controllable and uncontrollable items of the Distribution Business and Retail Supply Business for FY2021-22 as per Regulation 4 of 2005.

Views/Objections/Suggestions related to the general aspects of filings

30. The FAPCCI and APTMA have stated that by relaxing the Regulation, the Commission has granted permission to submit the ARR & proposed tariff filings in respect of the Retail Supply Business on an annual basis for FY 2023-24 instead of for the total control period. It may be true that the Commission may have powers to relax any provision of the Tariff Regulations. However, the very purpose of introducing the Multi-Year Tariff Regulatory Framework is to bring certainty and predictability as stated in the Tariff Policy. Hence, they requested the Commission for disallowance or withholding of 30% of DISCOMs' ARR for their failure to adhere to MYT Regulations. True-up exercises are extremely important for the definite closure of the tariff determination scheme and therefore must be completed on time. APTMA stated that there is no plausible reason for not filing required true-ups along with ARR for FY2023-24. AP Chambers federation requested to direct the Discoms for the implementation of a Multi-year Retail Tariff from the next control period i.e., from 2024-29 as in the case of the wheeling Tariff and transmission tariff.

DISCOMs' Response: In view of uncertainties in projecting power purchase cost accurately and also uncertainties in projecting sales on a long-term basis, they filed ARR and Tariff petitions for all the years of the 4th control period on yearly basis as per the permission granted by the Commission. Regarding True-ups, Orders were reserved by the Commission on FPPCA filings for FY 2021-22 and filed FPPCA filings for FY 2022-23 as per the regulation. The Variations of controllable and uncontrollable statements of the Distribution Business for FY 2021-22 and Retails Supply business have been shown in the ARR filings for FY 2023-24.

Commission's view: It is reiterated that there are divergent views on multiyear tariffs for retail supply business. Only two or three States in the country have issued multiyear tariffs for retail supply businesses. The Commission has been strictly following the MYT principles for the determination of tariffs in respect of generation, transmission, and distribution businesses. In view of the uncertainty associated with various factors as explained supra by the DISCOMs including the uncertainty associated with the subsidy amounts to be extended by GoAP to various categories of consumers, the Commission has permitted the DISCOMs to submit their filings on annual basis for their retail supply businesses upto FY2022-23 as this will not affect any stakeholder. FY2023-24 being the last year in the control period, the Commission has granted permission similar to the earlier years. Regarding True ups, the Commission would follow the regulations in vogue. The DISCOMS have been making

filings with due approval of the Commission for ARR & FPT for FY 2023-24. Hence, there is no rationale in withholding 30% of DISCOMs' ARR as requested by one of the stakeholders.

31. Many stakeholders including representatives from some political parties have requested physical hearings on the filings of the DISCOMS. In this regard, these hearings are not comparable with the hearings of the Hon'ble High court and the Hon'ble Supreme Court as referred to by some stakeholders for the hearings in courts take place at a fixed place which is not the case with tariff hearings. Due to physical and time constraints it is not possible to hold physical hearings at more than four or five places. The advantages of conducting public hearings through video conferences relating to the retail supply tariffs are the larger participation of the general public from nook and corner of the State at the nearest place from their residence to the Divisional Engineer's office instead of reaching selected two or three big cities like Visakhapatnam, Vijayawada, and Tirupati with travelling expenses apart from sparing almost their entire day's time. Stakeholders permitted by the Commission had been given a chance to submit their views/suggestions from their personal gadgets and thus it saved their time and travelling expenses also. It is desirable to make use of information technology by holding public hearings through video conferencing in order to have a wider reach and provide an opportunity to all the stakeholders, and the general public from even the remote parts of the State to submit their views/suggestions in this regard. It also saves considerable expenditure to the DISCOMS and promotes involvement of local-level officers of the DISCOMS in the regulatory process. In view of the reasons stated supra the Commission has been conducting public hearings only through video conferencing.

Conclusion

32. The Commission has decided to consider the ARR, FPT, and CSS filings for FY2023-24 submitted by the DISCOMs as stated briefly in this Chapter, as the basis for the determination of ARR and Tariff for Retail Sale of Electricity for FY2023-24 after duly considering the views/objections/suggestions of stakeholders, as discussed in subsequent chapters of this order.

CHAPTER – II

STATEMENT OF GOVERNMENT OF ANDHRA PRADESH

గౌరవ ఆంధ్రప్రదేశ్ రాష్ట్ర విద్యుత్ నియంత్రణ మండలి నిర్వహించుచున్న బహిరంగ విచారణ సందర్భముగా ఆంధ్ర ప్రదేశ్ రాష్ట్ర ప్రభుత్వ ప్రకటన

33. పారిశ్రామిక రంగం వేగంగా అభివృద్ధి చెందడానికి విద్యుత్ రంగం అత్యంత కీలకం అని రాష్ట్ర ప్రభుత్వం గుర్తించి గృహ, వాణిజ్య, పారిశ్రామిక రంగాలకు 24x7 నిరంతరాయంగా సరసమైన ధరలకు విద్యుత్ ను అందించడానికి మరియు వ్యవసాయ రంగానికి పగటి పూట 9 గంటల నాణ్యమైన ఉచిత విద్యుత్ ను అందించడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.

34. దేశంలోనే అతి తక్కువ సరఫరా మరియు పంపిణీ నష్టాలు గల విద్యుత్ సంస్థలలో రాష్ట్ర విద్యుత్ సంస్థలు కూడా వున్నాయి. అయినప్పటికీ రూ.84,183 కోట్ల పైబడి అధిక స్థిర చార్జీ అప్పులు, రూ.29,928 కోట్ల పైబడి నష్టాలు మరియు ఇతర సవాళ్లతోనూ రాష్ట్ర విద్యుత్ సంస్థలు సతమతమవుతున్నాయి. ఈ ఆర్థిక దుస్థితి లో నుంచి విద్యుత్ సంస్థలను గట్టెక్కించడానికి రాష్ట్ర ప్రభుత్వం అన్ని చర్యలు తీసుకుంటుంది.

35. వివిధ ప్రభుత్వ ఉత్తర్వులలో ప్రకటించిన విధంగా వివిధ రంగాలకు సబ్సిడీ పై విద్యుత్ ను అందించడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.

36. విద్యుత్ కొనుగోలు వ్యయాన్ని తగ్గించడానికి, తక్కువ ఖరీదు పునరుత్పాదక విద్యుత్ ఉత్పత్తి సామర్థ్యం పెంచడానికి, విద్యుత్ ఎపిసియన్సి చర్యలు, వినియోగదారుడే కేంద్రంగా సేవలు అందించే విధంగా చర్యలు చేపట్టడానికి, మొత్తం సాంకేతిక, వాణిజ్య నష్టాలు తగ్గించడానికి, సరాసరి సరఫరా వ్యయానికి మరియు సరాసరి రెవెన్యూ రియలైజేషన్ కు గల అంతరాయాన్ని తగ్గించడానికి మరియు కేంద్ర రాష్ట్ర ప్రభుత్వ పథకాల అమలులో గుడ్ గవర్నెన్స్ సాధన చర్యలు చేపట్టడానికి రాష్ట్ర ప్రభుత్వం తగు చర్యలు తీసుకొంటోంది.

37. విద్యుత్ నియంత్రణ మండలి పారదర్శకంగా మరియు సరియైన విద్యుత్ కొనుగోలు వ్యయాన్ని నిర్ధారించే చర్యలకు, విద్యుత్ సంస్థల ఆర్థిక స్థిరత్వాన్ని మరియు వినియోగ దారుల సౌలభ్యాన్ని దృష్టి లో ఉంచుకొని, రాష్ట్ర ప్రభుత్వం మద్దతు తెలుపుతుంది.

38. వ్యవసాయ వినియోగదారులకు అందిచవలసిన విద్యుత్ లోడ్ సరిగా తెలుసుకోడానికి, 9 గంటల విద్యుత్ అందించడానికి అవసరమైన మౌలిక సదుపాయాలు కలుగచేయడానికి, వ్యవసాయదారులకు నాణ్యమైన విద్యుత్ అందించడానికి, రైతులకు విద్యుత్ పంపిణీ సంస్థలను నాణ్యమైన విద్యుత్ సరఫరా కోసం అడిగే హక్కు కలిగించడానికి, విద్యుత్ పంపిణీ సంస్థలు రైతులు జవాబుదారిగా నిలవడానికి రాష్ట్ర ప్రభుత్వం **వై యస్ . ఆర్ . ఉచిత వ్యవసాయ విద్యుత్ పథకాన్ని,** ప్రారంభించి అందులో

భాగంగా 2021/22 సంవత్సరం మొదలు వ్యవసాయ విద్యుత్ కనెక్షన్లన్నింటికీ విద్యుత్ మీటర్లు బిగించాలని నిర్ణయం తీసుకొంది . ఈ పథకాన్ని మొదటగా శ్రీకాకుళం జిల్లాలో ప్రారంభించి పూర్తి చేయడం జరిగింది. మిగిలిన జిల్లాలలో ఈ ప్రక్రియ ప్రారంభించడం జరుగుతుంది. దీనికయ్యే ఖర్చును మొత్తం ప్రభుత్వమే భరిస్తుంది.

39. అంతే కాకుండా విద్యుత్ నష్టాలను తగ్గించడానికి, విద్యుత్ వ్యవస్థను ఆధునికరించడానికి ప్రీ పైడ్ మీటర్లను బిగించడానికి మరియు ఉద్యోగులకు అవసరమైన శిక్షణ, సామర్థ్య పెంపుదలకు కేంద్ర ప్రభుత్వం ప్రకటించిన డిస్ట్రిబ్యూషన్ సెక్టారు స్కీమ్ సుమారుగా **రూ 13404.53** కోట్లలో అనుమతించారు. ఈ స్కీము ద్వారా స్మార్ట్ మీటరింగు మరియు మౌలిక సదుపాయాలను అభివృద్ధి పరచుట ద్వారా నష్టాలు తగ్గించుటకు ఉద్దేశించినారు.అనుమతుల కనుగుణంగా టెండర్ల ప్రక్రియ ప్రారంభించబడినది.

40. విద్యుత్ చట్టం, 2003 కు లోబడి వివిధ ప్రభుత్వ ఉత్తర్వులలో ప్రకటించిన విధముగా ఆయా రంగాల వినియోగదారులకు సబ్సిడీ పై విద్యుత్ అందించడానికి అవసరమైన నిధులు అందించడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.

CHAPTER - III

SALES, LOSSES, AND POWER PURCHASE REQUIREMENT

Introduction

41. In this Chapter, the Commission has examined the sales projections, network losses, and the power purchase requirement estimated by the DISCOMS in their respective ARR & FPT filings for FY2023-24. The Commission has, while examining the same, reckoned/considered all the views/objections/suggestions expressed by the stakeholders in writing and during the public hearings to the extent they are relevant to the subject matter. Accordingly, the Commission has finalised the sales and power purchase requirement for the three DISCOMS as detailed hereunder:

DISCOMS' Filings:

Methodology followed by the DISCOMS

42. As a prelude to the estimation of Power Purchase Cost for the tariff year FY2023-24, the DISCOMS have computed the power purchase requirement in the following manner;

- Forecasted the sales for different consumer categories separately for the FY2023-24,
- Aggregated the forecasted sales at different voltage levels, i.e., at LT, HT-11KV, HT-33 KV and HT-132KV, and above,
- Grossed up the forecasted sales with the applicable network losses at each voltage level to arrive at the total power purchase requirement for the whole year.

Sales Forecast

43. The DISCOMS have stated that the Monthly Linear Trend method is a time series model of sales forecasting which assumes the underlying factors that drive the demand for electricity. That the forecast for electricity is also based on the assumption that the past trend in the consumption of electricity will continue in the future. That this method, when used with balanced judgement, will reflect recent changes and therefore is probably best suited for a short-term projection for the ARR/Tariff filing.

44. The DISCOMS have stated that while this method may provide a better estimate of consumption for the domestic, commercial, Industrial & Institutional categories of consumers, it may not be very much suitable for the Agriculture / Lift Irrigation category because of the high dependence on demand on the end-use and number of other factors. Accordingly, corrections have been made to the estimations.

45. The DISCOMS have stated that in so far as the LT Agriculture Consumption is concerned, the GoAP has taken a decision to implement Direct Benefit Transfer (DBT) scheme for farmers under the free power category. As enshrined in the DBT scheme for agricultural consumers, all the LT Agricultural consumers will be provided with meters for measurement of consumption which is a prerequisite for facilitating DBT.

That the agriculture consumption which was hitherto being estimated based on metering at sampled Distribution Transformers (DTRs) will be measured with meters in similar lines as in the case of other consumers as and when metering is completed. As the metering of the agriculture consumers is still in progress, the agriculture consumption is projected based on sampled DTR meter data for the financial year FY2023-24. The actual measured consumption will be made available once the meters are installed and made operational. That while estimating agricultural consumption under LT supply, the GoAP policy of extending 9 hours of supply in a day to the agriculture sector and the proposed release of new connections for the next year have been taken into account. The consumption from solar pump sets has been excluded for arriving at the final estimates of consumption for the agricultural sector under LT. As far as the lift irrigation schemes under HT supply are concerned, the estimations are based on actuals during the previous years and also as per the data furnished by the water resources department, GoAP.

46. APEPDCL stated that the RESCOs' consumption category-wise has been included in the projections of the corresponding categories of the consumers as the RESCOs have not been licensed or exempted to carry on the supply activity in its licensed area of supply and whereas the RESCOs' consumption has been shown separately by APSPDCL as RESCO in its area of supply has not yet handed over the management to it.

47. The DISCOMS have further stated that there are numerous factors that affect the actual consumption and which are often beyond their control such as the following:

- Economic climate;
- Weather conditions;
- Government Policy, and
- Force majeure events like natural disasters, etc.

Therefore, they have stated that an accurate point estimate of consumption is not possible.

48. Accordingly, the DISCOMS stated to have carried out sales forecasts based on the actuals for the period from FY 2016-17 to FY2022-23 H1 based on time series data and using linear regression. As per the forecast methodology explained supra, the sales estimated category-wise for each DISCOM and total for all the three DISCOMS are shown in the tables below:

Table 5 : Sales (MU) projected by DISCOMS for FY 2023-24

Consumer Category		Projections by DISCOMS for FY 2023-24			
LT-Supply		**SPDCL**	**CPDCL**	**EPDCL**	**Total for three DISCOMS**
I	Domestic	5829.68	5685.46	7107.00	18622.14
II	Commercial & Other	1176.83	1120.76	1359.26	3656.85
III	Industry	620.00	523.25	479.43	1622.68
IV	Institutional	811.29	335.67	446.16	1593.12
V	Agricultural & Related	7026.73	3300.19	4632.53	14959.45
	i) Free power categories	6352.86	2149.24	2446.55	10948.65
	ii) Others	673.87	1150.95	2185.98	4010.80
LT-Total		**15464.53**	**10965.33**	**14024.37**	**40454.23**
HT-Supply					
I	Domestic	17.69	14.58	33.53	65.80
II	Commercial & Other	502.47	512.22	1008.68	2023.37
III	Industry	7117.74	3026.27	10640.37	20784.38
IV	Institutional	1157.09	631.88	1169.43	2958.40
V	Agricultural & Related	1537.93	96.24	116.11	1750.28
	RESCO	483.47	0.00	0.00	483.47
HT-Total		**10816.38**	**4281.19**	**12968.12**	**28065.69**
Total		**26280.91**	**15246.52**	**26992.49**	**68519.92**

Commission's analysis and decision on sales finalisation

49. In order to find the rationality in the sales forecasts made by the DISCOMS for each category for FY 2023-24, the Commission has examined the comparative statements viz., (i) projections for FY 2023-24 against estimated sales for FY 2022-23, (ii) estimated sales against approved sales for FY 2022-23 and, (iii) the total actual sales against approved sales from FY 2015-16 to FY 2022-23, and (iv) estimation of consumption for free power category consumers who are unmetered, of each DISCOM and three DISCOMS put together, as detailed below:

50. **Projections for FY 2023-24 against estimated sales for FY 2022-23:** The comparative statement of projected sales for FY 2023-24 against estimated sales of FY 2022-23 for each DISCOM and three DISCOMS put together is shown in the tables below:

Table 6(a): APSPDCL - Sales Volume Estimates for FY2022-23 and Projections for FY 2023-24 (MU)

Consumer Category		FY2022-23 Estimates	FY2023-24 Projections	Projections in excess of Estimates (%)
LT-Supply				
I	Domestic	5481.42	5829.68	6.35%
II	Commercial & Other	1131.57	1176.83	4.00%
III	Industry	601.94	620.00	3.00%
IV	Institutional	787.66	811.29	3.00%
V	Agricultural & Related	6536.49	7026.73	7.50%
	i) Free power categories	5909.63	6352.86	7.50%
	ii) Others	626.85	673.87	7.50%
LT-Total		**14539.08**	**15464.53**	**6.37%**
HT-Supply				
I	Domestic	17.17	17.69	3.03%
II	Commercial & Other	482.95	502.47	4.04%
III	Industry	6751.34	7117.74	5.43%
IV	Institutional	1088.86	1157.09	6.27%
V	Agricultural & Related	1057.83	1537.93	45.38%
	RESCOs	460.45	483.47	5.00%
HT-Total		**9858.60**	**10816.38**	**9.72%**
Total		**24397.68**	**26280.91**	**7.72%**

Table 6(b): APCPDCL - Sales Volume Estimates for FY 2022-23 and Projections for FY 2023-24 (MU)

Consumer Category		FY2022-23 Estimates	FY2023-24 Projections	Projections in excess of Estimates (%)
LT-Supply				
I	Domestic	5414.72	5685.46	5.00%
II	Commercial & Other	1082.86	1120.76	3.50%
III	Industry	486.95	523.25	7.45%
IV	Institutional	319.69	335.67	5.00%
V	Agricultural & Related	3090.47	3300.19	6.79%
	i) Free power categories	1962.76	2149.24	9.50%
	ii) Others	1127.72	1150.95	2.06%
LT-Total		**10394.70**	**10965.33**	**5.49%**
HT-Supply				
I	Domestic	14.16	14.58	3.00%
II	Commercial & Other	486.06	512.22	5.38%
III	Industry	2752.84	3026.27	9.93%
IV	Institutional	598.04	631.88	5.66%
V	Agricultural & Related	78.27	96.24	22.96%
	RESCOs	0.00	0.00	0.00%
HT-Total		**3929.35**	**4281.19**	**8.95%**
Total		**14324.05**	**15246.52**	**6.44%**

Table 6(c): APEPDCL - Sales Volume Estimates for FY 2022-23 and Projections for FY 2023-24 (MU)

Consumer Category		FY2022-23 Estimates	FY2023-24 Projections	Projections in excess of Estimates (%)
LT-Supply				
I	Domestic	6817.83	7107.00	4.24%
II	Commercial & Other	1288.02	1359.26	5.53%
III	Industry	459.02	479.43	4.45%
IV	Institutional	424.89	446.16	5.01%
V	Agricultural & Related	4310.42	4632.53	7.47%
	i) Free power categories	2330.05	2446.55	5.00%
	ii) Others	1980.37	2185.98	10.38%
LT-Total		**13300.19**	**14024.37**	**5.44%**
HT-Supply				
I	Domestic	32.28	33.53	3.86%
II	Commercial & Other	904.67	1008.68	11.50%
III	Industry	10022.47	10640.37	6.17%
IV	Institutional	1071.96	1169.43	9.09%
V	Agricultural & Related	92.77	116.11	25.16%
HT-Total		**12124.16**	**12968.12**	**6.96%**
Total		**25424.35**	**26992.49**	**6.17%**

Table 6(d): Total for the three DISCOMS put together - Sales Volume Estimates for FY 2022-23 and Projections for FY 2023-24 (MU)

Consumer Category		FY2022-23 Estimates	FY2023-24 Projections	Projections in excess of Estimates (%)
LT-Supply				
I	Domestic	17713.97	18622.14	5.13%
II	Commercial & Other	3502.45	3656.85	4.41%
III	Industry	1547.91	1622.68	4.83%
IV	Institutional	1532.24	1593.12	3.97%
V	Agricultural & Related	13937.38	14959.45	7.33%
	i) Free power categories	10202.44	10948.65	7.31%
	ii) Others	3734.94	4010.80	7.39%
LT-Total		**38233.96**	**40454.23**	**5.81%**
HT-Supply				
I	Domestic	63.61	65.80	3.44%
II	Commercial & Other	1873.68	2023.37	7.99%
III	Industry	19526.65	20784.38	6.44%
IV	Institutional	2758.86	2958.40	7.23%
V	Agricultural & Related	1228.87	1750.28	42.43%
	RESCOs	460.45	483.47	5.00%
HT-Total		**25912.11**	**28065.69**	**8.31%**
Total		**64146.07**	**68519.92**	**6.82%**

Commission's analysis: As could be seen from the above tables, the total projected sales for FY 2023-24 in excess of the total estimated sales for FY2022-23 in percentage terms are 7.72, 6.44, 6.17 and 6.82 in respect of APSPDCL, APCPDCL, APEPDCL and three DISCOMS put together respectively. These percentages are less than the sales percentages (7.8 for SPDCL and 8.4 for EPDCL) adopted by the Commission in the resource plan for the 4th control period while estimating the sales for each year of the control period and also comparable to the modest growth rate of 6.5% adopted by the CEA in the 20th Electric Power Survey report released in December 2011. The 20th Electric Survey of the CEA covers the All India demand projections based on the True and Partial End Use Method (PEUM) for 20 years from FY 2021-22 to FY 2031-32 and perspective projections for FY 2036-37 and FY2014-42 covering 73 DISCOMS, and 36 States/UTs. The abnormal variations in projections in "agricultural & others" categories under HT supply in APSPDCL, APCPDCL, and APEPDCL are due to variations in the consumption of lift irrigation schemes that operate based on the requirements of irrigation. The DISCOMS have stated that the consumption of lift irrigation schemes is based on the estimated consumption during the current financial year and the new schemes proposed to be commissioned during the ensuing financial year based on the information furnished by the water resource department, Government of Andhra Pradesh.

51. **Estimated sales against approved sales for FY 2022-23:** The comparative statement of estimated sales against approved sales for FY 2022-23 for each DISCOM and three DISCOMS put together is shown in the tables below:

Table 7(a): SPDCL - Sales Volume approved and estimates for the FY2022-23(MU)

Consumer Category		FY 2022-23 Approved (as per TO)	FY2022-23 Estimates	FY 2022-23 (Estimates) in excess of FY 2022-23 (Approved) (%)
LT-Supply				
I	Domestic	5748.45	5481.42	-4.65%
II	Commercial & Other	964.27	1131.57	17.35%
III	Industry	599.34	601.94	0.43%
IV	Institutional	782.93	787.66	0.60%
V	Agricultural & Related	8550.01	6536.49	-23.55%
	i) Free power categories	7755.31	5909.63	-23.80%
	ii) Others	794.70	626.85	-21.12%
LT-Total		**16645.00**	**14539.08**	**-12.65%**

HT-Supply				
I	Domestic	19.23	17.17	-10.69%
II	Commercial & Other	370.73	482.95	30.27%
III	Industry	5827.65	6751.34	15.85%
IV	Institutional	759.25	1088.86	43.41%
V	Agricultural & Related	2315.69	1057.83	-54.32%
	RESCOs	0.00	460.45	0.00%
HT-Total		**9292.54**	**9858.6**	**6.09%**
Total		**25937.54**	**24397.68**	**-5.94%**

Table 7(b): CPDCL - Sales Volume approved and estimates for the FY2022-23 (MU)

Consumer Category		**FY2022-23 Approved (as per TO)**	**FY2022-23 Estimates**	**FY2022-23 (Estimates) in excess of FY2022-23 (Approved) (%)**
LT-Supply				
I	Domestic	5997.81	5414.72	-9.72%
II	Commercial & Other	989.46	1082.86	9.44%
III	Industry	551.84	486.95	-11.76%
IV	Institutional	321.04	319.69	-0.42%
V	Agricultural & Related	3234.87	3090.47	-4.46%
	i) Free power categories	2078.85	1962.76	-5.58%
	ii) Others	1156.02	1127.72	-2.45%
LT-Total		**11095.00**	**10394.70**	**-6.31%**
HT-Supply				
I	Domestic	13.00	14.16	8.88%
II	Commercial & Other	377.53	486.06	28.75%
III	Industry	3215.68	2752.84	-14.39%
IV	Institutional	426.23	598.04	40.31%
V	Agricultural & Related	99.1	78.27	-21.02%
	RESCOs	0.00	0.00	0.00
HT-Total		**4131.54**	**3929.35**	**-4.89%**
Total		**15226.55**	**14324.05**	**-5.93%**

Table 7(c): EPDCL - Sales Volume approved and estimates for the FY2022-23 (MU)

Consumer Category		FY2022-23 Approved (as per TO)	FY2022-23 Estimates	FY2022-23 (Estimates) in excess of FY2022-23 (Approved) (%)
LT-Supply				
I	Domestic	7536.31	6817.83	-9.53%
II	Commercial & Other	1266.59	1288.02	1.69%
III	Industry	512.60	459.02	-10.45%
IV	Institutional	424.31	424.89	0.14%
V	Agricultural & Related	4686.97	4310.42	-8.03%
	i) Free power categories	2715.35	2330.05	-14.19%
	ii) Others	1971.62	1980.37	0.44%
LT-Total		**14426.78**	**13300.19**	**-7.81%**
HT-Supply				
I	Domestic	39.98	32.28	-19.25%
II	Commercial & Other	853.55	904.67	5.99%
III	Industry	8136.95	10022.47	23.17%
IV	Institutional	976.04	1071.96	9.83%
V	Agricultural & Related	232.18	92.77	-60.04%
HT-Total		**10238.70**	**12124.16**	**18.42%**
Total		**24665.48**	**25424.35**	**3.08%**

Table 7(d): Total for three DISCOMS put together - Sales Volume approved and estimates for the FY 2022-23(MU)

Consumer Category		FY2022-23 Approved (as per TO)	FY2022-23 Estimates	FY2022-23 (Estimates) in excess of FY2022-23 (Approved) (%)
LT-Supply				
I	Domestic	19282.57	17713.97	-8.13%
II	Commercial & Other	3220.32	3502.45	8.76%
III	Industry	1663.78	1547.91	-6.96%
IV	Institutional	1528.28	1532.24	0.26%
V	Agricultural & Related	16471.85	13937.38	-15.39%
	i) Free power categories	12549.51	10202.44	-18.70%
	ii) Others	3922.34	3734.94	-4.78%
LT-Total		**42166.78**	**38233.96**	**-9.33%**
HT-Supply				
I	Domestic	72.21	63.61	-11.91%
II	Commercial & Other	1601.81	1873.68	16.97%
III	Industry	17180.28	19526.65	13.66%
IV	Institutional	2161.52	2758.86	27.63%
V	Agricultural & Related	2646.97	1228.87	-53.57%
	RESCOs	0.00	460.45	0.00%
HT-Total		**23662.78**	**25912.11**	**9.51%**
Total		**65829.56**	**64146.07**	**-2.56%**

As could be seen from the above tables, the total estimated sales for APSPDCL & APCPDCL have decreased by 5.94 percent and 5.93 percent respectively, and they have increased by 3.08% for APEPDCL compared to the total sales volumes approved by the Commission for each DISCOM for the FY 2022-23. It is also to be noted that overall estimated sales for all the three DISCOMS put together have decreased by 2.56 percent compared to the approvals. There are certain aberrations in the individual categories, particularly in consumption relating to lift irrigation schemes in all the DISCOMS. Variations in consumption of lift irrigation schemes which are beyond the control of anybody would have the minimum impact on the DISCOMS as their tariff is near to the Average Cost of Service. As the DISCOMS are estimating the consumption of lift irrigation schemes based on the feedback they have received from the water resources department about the schemes proposed to be commissioned and based on actual consumption, any slippage of the commissioning of new schemes impacts the estimations significantly. The Commission is approving the sales of this category as projected by the DISCOMS keeping in view the importance of this requirement, and any non-acceptance of such projections would impact the DISCOMS' power procurement process and also, the overall sales growth percentages as projected by the DISCOMS which are reasonable and matching to past trends and the growth rates projected by the statutory body like CEA. Regarding the negative variations in the consumption of the domestic category, the Commission made the following comparison.

DISCOM	Description	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
SPDCL	No. of consumers	4874126	4978959	5114100	5243837
	Growth percentage of consumers over previous year	-	2.15%	2.71%	2.54%
	Sales during the year (MU)	5011.64	5280.14	5481.42	5829.68
	Growth percentage of consumption on over previous year	-	5.36%	3.81%	6.35%
	Consumption per month per consumer (Units)	85.68	88.37	89.32	92.64
CPDCL	No. of consumers	3550289	3958615	4060830	4255607
	Growth percentage of consumers over previous year	-	11.50%	2.58%	4.80%
	Sales during the year (MU)	5131.72	5337.63	5414.72	5685.46
	Growth percentage of consumption on over previous year	-	4.01%	1.44%	5.00%
	Consumption per month per	120.45	112.36	111.12	111.33

DISCOM	Description	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
	consumer (Units)				
EPDCL	No. of consumers	5,278,852	5,513,158	5,751,278	5,918,390
	Growth percentage of consumers over previous year	-	4.44%	4.32%	2.91%
	Sales during the year (MU)	6,331.66	6,736.35	6,817.83	7,107.00
	Growth percentage of consumption on over previous year	-	6.39%	1.21%	4.24%
	Consumption per month per consumer (Units)	99.95	101.82	98.79	100.07
Total	No. of consumers	13,703,27	14,450,73	14,926,28	15,417,84
	Growth percentage of consumers over previous year	-	5.45%	3.29%	3.29%
	Sales during the year (MU)	16,475.02	17,354.12	17,713.97	18,622.14
	Growth percentage of consumption on over previous year	-	5.34%	2.07%	5.13%
	Consumption per month per consumer (Units)	100.19	100.08	98.90	100.65

As could be seen from the above table, the consumption per month per consumer variation for the last three years is insignificant in APSPDCL and APEPDCL and whereas same has come down in APCPDCL. The growth percentage of consumers is not commensurate with the growth rates of consumption during the last three years. However, the DISCOMS' projections for FY 2023-24 of the consumption per consumer per month is the same as in the previous year or slightly higher may be due to optimistic assumption of improved living standards of the consumers. Any negative variations of this category will not have a negative financial impact on the DISCOMS as these consumers are cross-subsidized

Finally, on the whole, a good sign is that there is more positive growth than that expected in HT industrial consumption in APSPDCL and APEPDCL. Also, there is positive growth recorded in HT Commercial and Institutional categories in all the three DISCOMS. This increase in industrial and commercial consumption will lead to an increase in the overall revenue realisation per unit of energy sold by the DISCOMS as their average per unit realisation is more than the Average Cost of Service (ACoS) and hence a positive variation in these categories have a positive financial impact on the DISCOMS. It is hoped that the negative financial impact if any on the DISCOMS due to variations in the sales to lift irrigation schemes and domestic consumers would be

compensated by the positive variations in the sales to industrial and commercial categories during FY 2022-23. The variations in the consumption of the free power category would be discussed separately in subsequent paragraphs.

The DISCOMS have not furnished the reasons for variations in actual sales over the projections/approvals of the previous year in their filings and hence it is directed that analysis on variations of sales in category wise shall be furnished while making projections for the future in the filings from FY 2024-25 onwards.

52. **Actual sales versus approved sales:** The comparative statement of the total actual sales vis-a-vis the total approved sales from FY 2015-16 to FY 2022-23 for each DISCOM and three DISCOMS put together is shown in the tables below:

Table 8: Actual sales Vs Approved sales from FY 2015-16 to FY 2022-23 (MU)

FY	APSPDCL			APCPDCL			APEPDCL			Three DISCOMS		
	Appr.	Act.	%	Appr.	Act.	%	Appr.	Act.	%	Appr.	Act.	%
2015-16	30876	28712	-7.01	-	-	-	16510	14969	-9.33	47387	43682	-7.82
2016-17	32808	30735	-6.32	-	-	-	17183	16174	-5.88	49991	46908	-6.17
2017-18	32621	31335	-3.94	-	-	-	17456	18351	5.12	50077	49686	-0.78
2018-19	34922	34889	-0.09	-	-	-	19470	19668	1.02	54392	54557	0.30
2019-20	37167	35159	-5.40	-	-	-	21996	20777	-5.54	59162	55935	-5.45
2020-21	24146	21460	-11.12	14341	12715	-11.34	23332	20416	-12.50	61819	54592	-11.69
2021-22	24015	23173	-3.50	14392	14010	-2.65	22537	23130	2.63	60944	60313	-1.03
2022-23	25938	24398	-5.94	15227	14324	-5.93	24665	25424	3.08	65830	64146	-2.56

As could be seen from the above tables, variations of total actual sales against the approvals in percentage terms during the said 8 years range from (-) 11.12 to (-) 0.09 for APSPDCL, (-) 11.34 to (-) 2.65 for APCPDCL (only from FY2020-21) and (-)12.50 to 5.12 for APEPDCL, and whereas it ranges between (-) 11.69 and 0.30 for all the three DISCOMS put together. Despite the economic slowdown which commenced in FY 2019-20 but continued in FY 2020-21 also due to the COVID-19 pandemic, the variation in sales between the actuals and approvals was maximum at (-) 12.50 % in the FY 2020-21 in respect of APEPDCL during the last 8 years. The variations in terms of percentage during the last 5 years (excluding pandemic year FY 2020-21) for all three DISCOMS put together are in the range of (-) 5.45 to 0.30. As submitted by the DISCOMS, accurate point estimation of sales may not be possible due to a number of uncontrolled factors, whatever be the methodology adopted for the estimation. The accuracy of the estimates can be compared with reference to the actuals at the end of the year only. From the above table, it could be seen that the total sales approved by the Commission for each DISCOM, and all three DISCOMS put together have reasonable accuracy during the last 5 years.

53. **Estimation of consumption for free power category consumers:** The projection

by the DISCOMs for FY 2023-24 is shown in the table below:

Description	SPDCL	CPDCL	EPDCL	Total for the three DISCOMS
Agriculture Sales under free power category (MU)	6352.86	2149.24	2446.55	10948.65

Views/objections/suggestions

Strongly objecting to the way EPDCL estimated the Agl consumption under free power category, Sri Rajana Dorababu has stated that even though the Commission has allowed supplying energy of 2725.65 MU for FY 2022-23, EPDCL supplied only 956.30 MU during H1. In other words, the government's orders to provide free agricultural electricity for 9 hours continuously are not being implemented and power supply is being given only 6 hours and 20 minutes. He also alleged that the AB switches are being kept open keeping the breaker closed in substations of the feeders supplying electricity to agl. Consumers. That the agricultural consumption for 2,74,992 services is being estimated based on the meter readings of 715 services only without showing calculations. APEPDCL is in the position of taking meter readings for lakhs of domestic consumers whose unit rate is Rs. 1.90 paise, and it is not taking the readings of the farmers' services whose unit rate is Rs 6.84 paise. That reading of agriculture services under the free power category is not taken by APEPDCL to overestimate the agriculture consumption even though the meters are available, to show that its line losses are the lowest. If the agl, consumption is based on the actual meter readings, its line loss would be 18.6% of total consumption. Therefore, he requested the Commission to restrict (sic arrest) the irregularities in the estimations of unmetered agl. sales. He also stated that there is no legality for unmetered sales and hence the total unmetered sales are to be added to the losses of EPDCL. Spending crores of Rupees on installation of meters for agl. connections on one side and estimating the consumption for the same based on estimations is unacceptable.

In response to the above objection, APEPDCL stated that though 9 hours 3-phase continuous power supply is extended during day time to all the agricultural consumers, the usage depends on weather conditions, crop patterns, availability of groundwater level, season, etc. The agricultural consumption in the first half of the year is less being the rainy season (khariff) than the agricultural consumption in the second half of the year (Rabi). Further for any interruption during agricultural supply time, the shortage is compensated on the same day. It should be understood that even though 3-phase power is being supplied to the farmers continuously for 9 hours every day during the daytime as per the order of Govt of Andhra Pradesh, the farmers are consuming electricity only as per their needs. Due to this, even with 9 hours power

supply, the average power consumption is calculated as 6.30 hours. Regarding the allegation of the objector that for recording 9 hours supply, the AB switches are being kept open with the breaker closed is not true. Any line clear once taken for preventive / breakdown maintenance is also being compensated. Load on the feeders is also being monitored through a real-time feeder monitoring system for ascertaining that supply is extended to all services. Further, APEPDCL stated that the Meters have been fixed to all agricultural services of Srikakulam circle (approx. 30,000 Nos.). The actual consumption based on the meter readings in Srikakulam circle, paying category agl. Services of all circles, and with the meter readings of 715Nos sample Agricultural DTRs in other circles are being considered for estimating the consumption of unmetered agricultural services, and not just based on only 715 sample DTRs. Thus, the total consumption is being arrived at based on the estimated agricultural consumption and consumption of all metered services (other than Agricultural), and accordingly, the line losses are being calculated. As such, there is no back-end calculation. EPDCL also stated that it is proposed to fix meters to all agricultural services for arriving at the actual consumption of the agricultural category consumers, and agricultural consumption will be arrived at as explained above till metering of all agl. services are completed. Inclusion of estimated agricultural consumption as a loss is not appropriate. EPDCL further stated that it estimates the unmetered agricultural consumption through sample agricultural DTR metering as per the directions of the APERC. Agricultural consumption is only 8.62% of total consumption. Metered sales increased significantly due to the implementation of several measures taken by it. So there is no need to increase agricultural consumption and reduce distribution losses for APEPDCL.

Regarding the point raised by the objector that there is no legality for the estimation of unmetered agl. services by EPDCL, the successive Commissions over the years have been approving the sales of this category based on the estimations done by the DISCOMS using the sample DTR metering in the absence of 100 percent metering of agl. connections and the same procedure is being followed by this Commission. There is no illegality as the DISCOMS estimations are being permitted in RST Orders from time to time by the Commission. The estimates of the DISCOMS have been corrected based on the analysis made by the Commission in the respective RST Orders. Further, regarding the taking of or not taking meter readings of all agl. connections, the Commission is satisfied with the reply furnished by EPDCL. Regarding showing unmetered agl. sales in losses will not change the ARR since the increased loss has to be taken in to account while arriving at the PPR and at the same time, the subsidy amount to be provided by the Government will come down to that extent. It will impose burden on the other categories, and hence it is not desirable. The Govt. being the main stakeholder has already initiated the process of fixing meters to all the

unmetered agl. connections and once the metering is completed, it is hoped that it will clear all the doubts of the objectors in the estimations of unmetered agl. services by DISCOMS which is a contentious point for the last 20 years. As the subsidy to be provided by the government will come down in view of the inclusion of part of unmetered estimations as suggested by the objector, the same will have to be recovered from the other categories of consumers. As done in previous years, to verify the rationality in the projections for free power category consumers and prudent check, the following comparisons have been made by the Commission.

Description		**APSPDCL**	**APCPDCL**	**APEPDCL**	**Total for all the three DISCOMS**
FY 2020-21	A) Approved Sales (MU)	7700.80	2127.96	2392.71	12221.47
	B) Actuals Sales (MU)	6663.00	1942.10	2266.57	10871.67
	Difference (B-A)	-1037.80	-185.86	-126.14	-1349.80
	Percentage over approvals	-13.48%	-8.73%	-5.27%	-11.04%
FY 2021-22	A) Approved Sales (MU)	8078.48	2023.44	2618.17	12720.09
	B) Actuals Sales (MU)	6493.94	1880.06	2,213.00	10587.00
	Difference (B-A)	-1584.54	-143.38	-405.17	-2133.09
	Percentage over approvals	-19.61%	-7.09%	-15.48%	-16.77%
FY 2022-23	(A) Approved Sales (MU) for FY 2022-23	7755.31	2078.85	2715.35	12549.51
	(B)Estimated Sales (MU) for the FY 2022-23	5909.63	1962.76	2330.05	10202.44
	Difference (B-A)	-1845.68	-116.09	-385.3	-2347.07
	Percentage over estimates	-23.80%	-5.58%	-14.19%	-18.70%
FY 2023-24	A) Estimated Sales (MU) for the FY 2022-23	5909.63	1962.76	2330.05	10202.44
	B) Projected Sales (MU) for the FY 2023-24	6352.86	2149.24	2446.55	10948.65
	Difference (B-A)	443.23	186.48	116.50	746.21
	Percentage over estimates	7.50%	9.50%	5.00%	7.31%

Commission's observations: As could be seen from the above table, the agriculture consumption under free power categories was less than the approvals in respect of all the DISCOMS during the FY 2020-21, FY 2021-22. It is also expected to be less than the approvals for FY2022-23. Therefore, during the last three years, the actual sales are less than the approved figures by the Commission and this indicates the improvement of the percentage of metered sales during the said period. Further, as per the comparative analysis on estimations for FY 2022-23 vis a vis the actual consumption furnished for the first half year, the actual consumption is much less in

the first half year compared to the estimations for the second half year in FY2022-23 as shown in the table below:

Sl. No.	Particulars	SPDCL	CPDCL	EPDCL	STATE
1	Actual consumption for first half year of FY 2022-23 (MU)	2718.48	813.02	956.30	4487.80
2	Estimated consumption for H2 of FY2022-23 as per filings	3191.15	1149.74	1373.75	5714.64
3	Estimated consumption based on H1 consumption (MU) **(2 X H1)**	5436.96	1626.04	1912.60	8975.60
4	Estimated consumption as per filing for FY 2022-23 (MU)	5909.63	1962.76	2330.05	10202.44
5	Difference in estimation based on H 1 and estimations for the whole year of FY2022-23 (Sl.No. 2 and Sl.No. 3)	472.67	336.72	417.45	1226.84

To further examine the rationality of projected consumption by the free agricultural category, the Commission has compared the "Units per HP consumption", and the "number of connections released and proposed to be released" the estimations against the actuals during FY 2020-21 and FY 2021-22, etc., as detailed below:

(i) "Units per HP consumption" FY 2023-24 projected vis a vis for the last two years and current year based on the actuals furnished by the DISCOMS are shown in the table below:

Particulars	SPDCL	CPDCL	EPDCL	STATE
Per HP consumption in **FY 2020-21** (Units)	934.75	724.27	1137.5	921.32
Per HP consumption in **FY 2021-22** (Units)	870.7	728.21	1276.52	891.46
Actual per HP consumption for FY **2022-23 first half (H1)** (Units)	356.69	344.98	439.10	369.18
Estimated per HP consumption for FY **2022-23 first half (H2)** (Units)	426.26	483.84	589.91	413.77
Estimated per HP consumption for FY **2022-23** (Units) (**H1+H2**)	782.95	828.82	1029.01	782.95
Proposed per HP consumption for FY **2023-24 (Units)**	801.31	801.22	1046.88	845.62

As could be seen from the above table, units per HP consumption in FY 2021-22 were less than FY 2020-21 in APSPDCL and APCPDCL and there is a significant increase in EPDCL. Also, the estimated units per HP consumption for FY 2022-23 are less than that of FY2020-21 and FY 2021-22 in APSPDCL, APEPDCL, and there is an increase in APCPDCL. The projected units per HP consumption for FY2023-24 are more than that of FY 2022-23 estimations in respect of APSPDCL, and APEPDCL and less in respect of APCPDCL. It is observed that the units per HP actual consumption in the first half year are less than the second half of FY 2022-23 in all three DISCOMS.

(iii) Number of connections released and proposed to be released are arrived at as per the filings which are shown in the table below:

Particulars	SPDCL	CPDCL	EPDCL	TOTAL
Connections as of 31-03-2022 (FY2021-22)	1077898	403640	254897	1736435
Connections as of 31-09-2022	1135222	418292	272371	1825885
Connections as of 31-03-2023	1151784	435516	275448	1862748
Connections as of 31-03-2024	1209797	486425	289547	1985769
Connections released during the H1 of FY2022-23	57324	14652	17474	89450
Connections proposed to be released the FY2022-23	73886	31876	20551	126313
Connections proposed to be released during H2 of the FY2022-23	16562	17224	3077	36863
Connections proposed to be released during FY 2023-24	58013	50909	14099	123021
Pending connections as of 31-10-2022	35861	17836	472	54169

As could be seen from the table above, based on the pending application seeking agl. supply, the connections proposed to be released during H2 of FY 2022-23 and FY2023-24 are ambitious.

(iii) The actual sales over the estimated sales for FY 2020-21 and FY 2021-22 are shown below:

DISCOMS	2020-21			2021-22		
	Estimation (MU)	Actual (MU)	Actual over estimations (%)	Estimation (MU)	Actual (MU)	Actual over estimations (%)
SPDCL	7532.98	6663.00	-13.06%	7357.43	6493.94	-13.30%
CPDCL	1937.54	1942.11	0.24%	1998.67	1880.06	-6.31%
EPDCL	2404.00	2266.58	-6.06%	2649.14	2213.00	-19.71%
TOTAL	**11874.52**	**10871.69**	-9.22%	**62334.56**	**60313.21**	-3.35%

As could be seen from the above table, the actual sales are less than the estimates except for APCPDCL in FY 2020-21.

Therefore, finally, after due analysis as stated supra, the Commission is inclined to approve the sales projected by the DISCOMS under the free power category at the same level as the DISCOMS have estimated for FY 2022-23. Accordingly, the sales projected by the DISCOMS vis a vis approved by the Commission in respect of free agricultural category consumers for FY 2023-24 are shown in the table below:

Particulars	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
A) Sales approved (MU) for the FY 2023-24	5909.63	1962.76	2330.05	10202.44
B) Projected Sales (MU) for the FY 2023-24	6352.86	2149.24	2446.55	10948.65
Difference (B-A)	443.23	186.48	116.50	746.21

In this regard, the DISCOMS need to recognize that the sales volume to this consumer category shall be within the approved sales volume and in case the actual sales volume exceeds the approved quantity, the per unit financial loss would be very high as it is a 100% subsidized consumer category. Therefore, the DISCOMS are directed

"To be vigilant on sales volume to this consumer category (supplying only to genuine consumers and preventing any unauthorized and unaccounted pilferage or theft of energy in any manner) and invoke appropriate remedial measures, under intimation to the Commission, to meet the excess cost in case the actual sales exceed the approved sales volume during the year with authenticated data in line with the Commission's directives."

54. Having approved the sales for the free power category as above, the Commission has examined the total sales estimates vis a vis the actuals for FY2020-21 and FY2021-22 and the variation of actual sales against approval during FY 2022-23 up to 31.09.2022. The details are shown in the tables below:

(i) Sales Estimates Vs Actuals:

	2020-21			2021-22		
DISCOMS	**Estimation**	**Actual**	**%**	**Estimation**	**Actual**	**%**
SPDCL	22149.89	21460.27	-3.11%	24926.48	23173.07	-7.03%
CPDCL	13501.48	12715.09	-5.82%	14341.08	14010.46	-2.31%
EPDCL	20501.23	20416.44	-0.41%	23067.00	23129.68	0.27%
TOTAL	**56152.6**	**54591.80**	-2.78%	**62334.56**	**60313.21**	-3.24%

As could be seen from the above table, the actual sales are less than the estimates except for EPDCL in FY 2021-22.

(ii) Approved Vs Actuals upto September 2022 during FY 2022-23:

DISCOM	Approved (MU)	Actual (MU)	Deviation	% Deviation with respect to approval
	(1)	(2)	(3) = (2)-(1)	
SPDCL	12397.11	12122.62	-274.49	-2.21%
CPDCL	7659.18	7278.97	-380.21	-4.96%
EPDCL	12570.43	12935.93	365.50	2.91%
TOTAL	32626.72	32337.52	-289.20	-0.89%

As could be seen from the above table, the actual sales of APSPDCL and APCPDCL are less than the approvals during FY 2022-23 up to 31.09.2022 except for APEPDCL.

55. Therefore, keeping the above trend in view, the Commission has decided to approve the sales of APEPDCL at the percentage as projected by it and to slightly reduce the projected percentages of APSPDCL and APCPDCL to the extent of disapproved free power agl. sales. In order to keep the percentage projected by APEPDCL at the same level, the disapproved free power category sales are to be adjusted in the other category of consumers. For this purpose, the Commission has examined the sales of the Industry-HT category of APEPDCL as shown in the tables below:

FY2021-22

HT- Industry		**Sales (MU)**			
		EPDCL			
		Approved	**Actual**	**variation**	**%**
		(1)	**(2)**	**(3) = (2)-(1)**	
III	Industrial	7204.91	8638.50	1433.59	19.90%
	i. General	4156.56	5255.03	1098.47	26.43%
	ii. Others	3048.35	3383.47	335.12	10.99%

First half of FY2022-23

HT- Industry		**Sales (MU)**			
		EPDCL			
		Approved	**Actual**	**variation**	**%**
		(1)	**(2)**	**(3) = (2)-(1)**	
III	Industrial	4019.60	5033.18	1013.58	25.22%
	i. General	2425.32	3142.80	717.48	29.58%
	ii. Others	1594.27	1890.38	296.11	18.57%

As could be seen from the above tables, the Industry-HT sales trend of APEPDCL is consistently increasing and therefore the Commission decided to include the disapproved sales under the free power category in Industry General-HT to keep the projected sales percentage at the same level shown in their filings for APEPDCL. With the addition of disapproved agl. consumption in Industry General - HT, the percentage growth projected for this category increased from 6.17 to 7.33 which is at a reasonable level compared to the positive variations shown in the above tables.

After effecting the corrections in the agriculture consumption for all the three DISCOMS and Industry General-HT in respect of APEPDCL as detailed in the paragraphs supra, the sales projected for other remaining categories of the consumers in all the three DISCOMS have been approved in toto. Accordingly, the sales projected

for each category of consumers approved for FY2023-24 for each DISCOM and the three DISCOMS put together are shown in the tables below:

Table 9(a): APSPDCL - Sales Volume Filed by the DISCOM and Approved by the Commission for the FY 2023-24 (MU)

Consumer Category		Filed by the Licensee	Approved by APERC	Variations over Filings
LT-Supply				
I	Domestic	5829.68	5829.68	0.00
II	Commercial & Other	1176.83	1176.83	0.00
III	Industry	620.00	620.00	0.00
IV	Institutional	811.29	811.29	0.00
V	Agricultural & Related	7026.73	6583.50	-443.23
	i) Free power categories	6352.86	5909.63	-443.23
	ii) Others	673.87	673.87	0.00
LT-Total		**15464.53**	**15021.30**	**-443.23**
HT-Supply				
I	Domestic	17.69	17.69	0.00
II	Commercial & Other	502.47	502.47	0.00
III	Industry	7117.74	7117.74	0.00
IV	Institutional	1157.09	1157.09	0.00
V	Agricultural & Related	1537.93	1537.93	0.00
	RESCO	483.47	483.47	0.00
HT-Total		**10816.38**	**10816.38**	**0.00**
Total		**26280.91**	**25837.68**	**-443.23**

Table 9(b): APCPDCL - Sales Volume Filed by the DISCOM and Approved by the Commission for the FY2023-24 (MU)

Consumer Category		Filed by the Licensee	Approved by APERC	Variations over Filings
LT-Supply				
I	Domestic	5685.46	5685.46	0.00
II	Commercial & Other	1120.76	1120.76	0.00
III	Industry	523.25	523.25	0.00
IV	Institutional	335.67	335.67	0.00
V	Agricultural & Related	3300.19	3113.71	-186.48
	i) Free power categories	2149.24	1962.76	-186.48
	ii) Others	1150.95	1150.95	0.00
LT-Total		**10965.33**	**10778.85**	**-186.48**
HT-Supply				
I	Domestic	14.58	14.58	0.00
II	Commercial & Other	512.22	512.22	0.00
III	Industry	3026.27	3026.27	0.00
IV	Institutional	631.88	631.88	0.00
V	Agricultural & Related	96.24	96.24	0.00
	RESCO	0.00	0.00	0.00
HT-Total		**4281.19**	**4281.19**	**0.00**
Total		**15246.52**	**15060.04**	**-186.48**

Table 9(c): APEPDCL - Sales Volume Filed by the DISCOM and Approved by the Commission for the FY 2023-24 (MU)

Consumer Category		Filed by the Licensee	Approved by APERC	Variations over Filings
LT-Supply				
I	Domestic	7107.00	7107.00	0.00
II	Commercial & Other	1359.26	1359.26	0.00
III	Industry	479.43	479.43	0.00
IV	Institutional	446.16	446.16	0.00
V	Agricultural & Related	4632.52	4516.02	-116.50
	i) Free power categories	2446.55	2330.05	-116.50
	ii) Others	2185.97	2185.97	0.00
LT-Total		**14024.37**	**13907.87**	**-116.50**
HT-Supply				
I	Domestic	33.53	33.53	0.00
II	Commercial & Other	1008.68	1008.68	0.00
III	Industry	10640.37	10756.87	116.50
IV	Institutional	1169.43	1169.43	0.00
V	Agricultural & Related	116.11	116.11	0.00
	RESCO	0.00	0.00	0.00
HT-Total		**12968.12**	**13084.62**	**116.50**
Total		**26992.49**	**26992.49**	**0.00**

Table 9(d): Total of three DISCOMS - Sales Volume Filed by the DISCOMS and Approved by the Commission for the FY2023-24 (MU)

Consumer Category		Filed by the DISCOMS	Approved by APERC	Variations over Filings
LT-Supply				
I	Domestic	18622.14	18622.14	0.00
II	Commercial & Other	3656.85	3656.85	0.00
III	Industry	1622.68	1622.68	0.00
IV	Institutional	1593.12	1593.12	0.00
V	Agricultural & Related	14959.44	14213.23	-746.21
	i) Free power categories	10948.65	10202.44	-746.21
	ii) Others	4010.79	4010.79	0
LT-Total		**40454.23**	**39708.02**	**-746.21**
HT-Supply				
I	Domestic	65.80	65.80	0.00
II	Commercial & Other	2023.37	2023.37	0.00
III	Industry	20784.38	20900.88	116.50
IV	Institutional	2958.40	2958.40	0.00
V	Agricultural & Related	1750.28	1750.28	0.00
	RESCO	483.47	483.47	0.00
HT-Total		**28065.69**	**28182.19**	**116.50**
Total		**68519.92**	**67890.21**	**-629.71**

Network Losses

56. To meet the estimated sales volume for different consumer categories, the DISCOMS need to purchase power from different generating stations, market sources, etc. As the power is to be transmitted from different sources to the consumer end (over networks of different voltages), the DISCOMS have to purchase electricity in excess of sales volume, to compensate for the network losses. Therefore, once the sales estimate is made, the power purchase requirement is computed by grossing up the sales volume with the loss levels. The sales estimates are grossed up with the appropriate loss levels to arrive at the power purchase requirement to meet the sales at each voltage level and later on, these purchase requirements at different voltages are aggregated to arrive at the gross power purchase requirement (sales plus losses) for which the power procurement plan is to be made.

The DISCOMS have applied the losses at different voltage levels as shown in the table below for arriving at the power purchase requirement for the FY 2023-24:

Table 10 : Voltage-wise T&D losses (%) filed by the DISCOMS

Sl.No.	Voltage Level	APSPDCL	APCPDCL	APEPDCL
1	33 kV	3.20%	3.12%	3.27%
2	11kV	3.31%	3.17%	3.06%
3	LT	5.08%	3.74%	4.38%
4	APTransco & PGCIL losses	3.75%	3.75%	3.75%

Views/objections/suggestions

57. FAPCCI & APTMA have stated that the projected transmission losses were greater than the 11 kV losses and 33 kV losses. Also, the LT Losses are projected as comparable to the 11 kV losses and 33 kV losses despite there being a large number of unmetered sales and agricultural sales. The approach of projecting Transmission Losses greater than Distribution Losses is totally contrary to the basic electricity laws/principles. The objector requested the Commission to direct the petitioners to provide due justification for the same and if the Petitioners fail to do so, to withhold 30% of their ARR.

In response to the above contention, the DISCOMS have stated that they have considered Transmission losses & PGCIL Losses at 3.75% for FY 2023-24. The DISCOMS projected losses at LT voltage are higher than 11kV losses. Hence there is no merit in the view expressed by the objector that projected losses at LT are comparable to 11kV losses. Further, DISCOMS stated that the Transmission losses included Transco losses and losses external to the Transco system. The approved losses of APTRANSCO for FY 2023-24 as per the Transmission Tariff Order for the 4th control period are 3%. That the DISCOMs have to incur PGCIL losses for the power procured from the CGS power plants and market purchases in addition to Transco losses and the same are projected as 0.75%. Accordingly, DISCOMs have projected Transco losses and losses external to the Transco system for FY 2023-24 put together at 3.75%, and therefore the suggestion of the stakeholder to withhold 30 percent of ARR is not justified.

Sri M. Venu Gopala Rao & Others have stated that compared to the substantial increases in distribution costs projected by the three DISCOMs for FY 2023-24, the proposed reductions in distribution losses ARE insignificant. They are not in tune with the targets set under the UDAY scheme also. Accepting the revised percentages of distribution losses by the DISCOMs based on CEA methodology would lead to a higher requirement of ARR and a higher revenue gap, with the implication that either tariffs or the Government's subsidy, or both, have to be increased. Hence, he requested the Commission to make a realistic assessment of distribution losses for FY 2023-24 keeping in view the increasing expenditure under distribution cost. In

response to the above contention of the stakeholder, the DISCOMS have stated that they projected the distribution losses based on the old methodology but not on the CEA methodology.

Sri Y. Kondaiah has stated that the DISCOMS have projected higher T&D losses compared to the previous year and accordingly higher power purchase requirements despite huge investments made on T & D network, technology, and skills available for reducing the T&D losses. Hence the same shall be examined prudently. In response to the above contention of the stakeholder, the DISCOMs have stated that the T&D losses have decreased significantly because of the relevant steps being taken by them for reducing the technical losses.

The Commission's analysis and decision:

58. The T&D losses would depend on a number of factors such as the network configuration, size, and quantum of power flow at each voltage level, and therefore the losses at one voltage level cannot be compared with losses at another voltage level. It is evident from the DISCOMS filings that their T&D losses are coming down over the years. As regards the objection that acceptance of the revised percentages of distribution losses projected by the DISCOMs would lead to a higher requirement of ARR and a higher revenue gap as stated by another stakeholder, the Commission would only approve the T&D losses after due examination and not as projected by the DISCOMS. In order to verify the T&D losses projected by the DISCOMS for prudence, The Commission has examined; a) the actual loss levels of APTransco and the DISCOMS in the FY2020-21 and FY 2021-22 b) loss levels fixed in the Retail tariff order for the FY2022-23; c) the estimated loss levels for FY2022-23 ; d) loss levels fixed by the Commission for the FY2023-24 in its MYT order on Transmission Tariffs and Distribution Tariffs and, e) Loss levels projected by the DISCOMS in their filings; The above losses for each DISCOM are shown in the tables below:

Table 11: Network Losses (%) - APSPDCL

S. No.	Network	Actuals for FY 2020-21	Actuals for FY 2021-22	RST Order for FY 2022-23	Estimates for FY 2022-23	MYT order for FY 2023-24	Filing for FY 2023-24
1	Distribution – LT	4.75%	5.08%	4.17%	5.09%	4.14%	5.08%
2	Distribution - 11 kV	3.36%	3.34%	3.12%	3.33%	3.07%	3.31%
3	Distribution - 33 kV	3.24%	3.22%	3.05%	3.22%	3.00%	3.20%
4	APTRANSCO including PGCIL	3.48%	3.25%	3.17%	4.05%	3.00%	3.75%

Table 12 : Network Losses (%) - APCPDCL

S. No.	Network	Actuals for FY 2020-21	Actuals for FY 2021-22	RST Order for FY 2022-23	Estimates for FY 2022-23	MYT order for FY 2023-24	Filing for FY 2023-24
1	Distribution-LT	3.68%	3.76%	3.66%	3.75%	4.14%	3.74%
2	Distribution-11 kV	3.21%	3.19%	3.12%	3.18%	3.07%	3.17%
3	Distribution-33 kV	3.15%	3.14%	3.05%	3.13%	3.00%	3.12%
4	APTRANSCO including PGCIL	2.51%	2.28%	3.17%	3.73%	3.00%	3.75%

Table 13 : Network Losses (%) - APEPDCL

S. No.	Network	Actuals for FY 2020-21	Actuals for FY 2021-22	RST Order for FY 2022-23	Estimates for FY 2022-23	MYT order for FY 2023-24	Filing for FY 2023-24
1	Distribution-LT	3.12%	3.36%	2.94%	4.38%	3.93%	4.38%
2	Distribution-11 kV	3.25%	3.45%	2.53%	3.06%	3.00%	3.06%
3	Distribution-33 kV	3.36%	3.45%	2.76%	3.27%	2.75%	3.27%
4	APTRANSCO including PGCIL	2.60%	2.80%	3.17%	3.85%	3.00%	3.75%

As could be seen from the above tables, the DISCOMS have projected higher T&D losses than those supposed to be taken from the MYT Orders issued by the Commission for Transmission and Distribution business for the 4th Control Period except at LT voltage level by APCPDCL. Therefore, to keep the T&D losses projected by the DISCOMS to be in consonance with the MYT Orders issued for Transmission and Distribution businesses by the Commission for the 4th Control Period, the higher losses projected have been limited to losses approved in the MYT Order. In cases, where lower losses are projected compared to losses in MYT order, the same are being approved to pass on such lower loss benefits to the consumers. For 132 kV and above networks including the PGCIL network, the DISCOMS have considered the transmission loss at 3.75% on the total sales of the DISCOMS. APTransco loss as per MYT order for the 4th control period is 3.00 percent. But, as per the information available on the website of AP Transco, its network Loss was 2.80 % during FY2021-22, and 2.65% during FY 2022-23 up to Dec 22. To account for external losses of PGCIL up to APTransco system with regard to drawing from central generating

stations (CGS), the transmission loss at 3.00 percent is proposed to be fixed for FY 2023-24.

59. Accordingly, the Commission had approved the transmission and distribution loss percentages for FY 2023-24 for each DISCOM as shown in the table below:

S. No.	Network	SPDCL	CPDCL	EPDCL
1	Distribution – LT	4.14%	3.74%	3.93%
2	Distribution - 11 kV	3.07%	3.07%	3.00%
3	Distribution - 33 kV	3.00%	3.00%	2.75%
4	APTRANSCO including PGCIL	3.00%	3.00%	3.00%

The percentage of losses as filed by the DISCOMS and that approved by the Commission for FY2023-24 are shown in the table below:

S. No.	Network	SPDCL		CPDCL		EPDCL	
		Filed	Apprvd	Filed	Apprvd	Filed	Apprvd
1	Distribution – LT	5.08%	4.14%	3.74%	3.74%	4.38%	3.93%
2	Distribution - 11 kV	3.31%	3.07%	3.17%	3.07%	3.06%	3.00%
3	Distribution - 33 kV	3.20%	3.00%	3.12%	3.00%	3.27%	2.75%
4	APTRANSCO including PGCIL	3.75%	3.00%	3.75%	3.00%	3.75%	3.00%

Power Purchase Requirement

60. The power purchase requirement estimated by the DISCOMS on the proposed sales after applying their projected voltage-wise losses is as given in the table below:

Table 14: Power Purchase Requirement estimates by the DISCOMS for FY2023-24

S. No.	DISCOMS	Sales (MU)	Losses (MU)	Power purchase requirement (MU)	T&D loss
(a)	(b)	(c)	(d)	(e)=(c)+(d)	(f)=[1-(c)/(e)]*100
1	SPDCL	26280.91	3278.13	29559.04	11.09%
2	CPDCL	15246.52	1980.76	17227.28	11.50%
3	EPDCL	26992.49	2995.50	29987.99	9.99%
4	**Total**	**68519.92**	**8254.40**	**76774.32**	**10.75%**

61. The power purchase requirement computed by the Commission by grossing up the approved sales with the voltage-wise losses approved in this order is as given in the table below:

Table 15: Power Purchase Requirement approved by the Commission for FY2023-24

S.No.	DISCOMS	Sales (MU)	Losses (MU)	Power purchase requirement (MU)	T&D losses
(a)	(b)	(c)	(d)	(e)=(c)+(d)	(f)=[1-(c)/(e)]*100
1	SPDCL	25837.68	2716.41	28554.09	9.51%
2	CPDCL	15060.04	1787.14	16847.18	10.61%
3	EPDCL	26992.49	2553.67	29546.16	8.64%
4	**Total**	**67890.21**	**7057.22**	**74947.43**	**9.42%**

62. The Commission estimated the power purchase requirement at **74947.43** MU based on the approved sales of **67890.21** MU for the FY 2023-24 after factoring in the approved losses as detailed above. The power purchase requirement arrived at in the above manner is lesser by about 1826.89 MU compared to the power purchase requirement of 76774.32 MU as filed by the three DISCOMS on sales of **68519.92** MU. The details of the power purchase requirements filed by DISCOMS and that estimated by the Commission, DISCOM wise are shown in the tables below:

Table 16: Filed and Approved Power Purchase Requirements for the FY2023-24

S. No.	DISCOMS	Sales (MU)		Losses (MU)		Power purchase requirement (MU)		T&D loss (%)	
		Filed	App.	Filed	App.	Filed	App.	Filed	App.
1	SPDCL	26280.91	25837.68	3278.13	2716.41	29559.04	28554.09	11.09%	9.51%
2	CPDCL	15246.52	15060.04	1980.76	1787.14	17227.28	16847.18	11.50%	10.61%
3	EPDCL	26992.49	26992.49	2995.50	2553.67	29987.99	29546.16	9.99%	8.64%
4	**Total**	**68519.92**	**67890.21**	**8254.40**	**7057.22**	**76774.32**	**74947.43**	**10.75%**	**9.42%**

63. The computations related to the power procurements proposed by the DISCOMS and that approved by the Commission are indicated in the following tables:

Table 17 : Power Purchase Requirement for FY2023-24 as per Filing

Power Purchase (in MU), Voltage Wise sales (in MU) and Voltage Wise Loss (%)

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APSPDCL	L.T.	5.08%	L.T.	15464.53	16291.31	16848.15	17404.21	18082.23
	11kV	3.31%	11kV	1989.72	-	2057.73	2125.64	2208.45
	33kV	3.20%	33kV	2853.18	-	-	2947.34	3062.16
	132kV	3.75%	132kV	5973.49	-	-	-	6206.20
				26280.91	16291.31	18905.87	22477.19	29559.04
			Loss up to said voltage		5.08%	7.68%	9.65%	11.09%
						D. Loss (MU)	2169.77	
						T. Loss (MU) including PGCIL Loss	1108.36	
			Total Loss (MU) & % Loss including PGCIL				**3278.13**	**11.09%**
			Total Power Purchase Requirement (MU)				**29559.04**	
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APCPDCL	L.T.	3.74%	L.T.	10965.33	11391.37	11764.30	12143.17	12616.29
	11kV	3.17%	11kV	1571.73	-	1623.18	1675.46	1740.74
	33kV	3.12%	33kV	1650.95	-	-	1704.12	1770.51
	132kV	3.75%	132kV	1058.51	-	-	-	1099.75
			TOTAL	15246.52	11391.37	13387.48	15522.76	17227.28
			Loss up to said voltage		3.74%	6.35%	8.60%	11.50%
						D. Loss (MU)	1334.75	
						T. Loss (MU) including PGCIL Loss	646.02	
			Total Loss (MU) & % Loss including PGCIL				**1980.76**	**11.50%**
			Total Power Purchase Requirement (MU)				**17227.28**	

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APEPDCL	L.T.	4.38%	L.T.	14024.37	14666.77	15129.74	15641.21	16250.61
	11kV	3.06%	11kV	2413.84	-	2490.04	2574.21	2674.51
	33kV	3.27%	33kV	2772.91	-	-	2866.65	2978.34
	132kV	3.75%	132kV	7781.37	-	-	-	8084.54
			TOTAL	26992.49	14666.77	17619.78	21082.07	29987.99
			Loss up to said voltage		4.38%	6.71%	8.87%	9.99%
						D. Loss (MU)	1870.95	
						T. Loss (MU) including PGCIL Loss	1124.55	
			Total Loss (MU) & % Loss including PGCIL				**2995.50**	**9.99%**
			Total Power Purchase Requirement (MU)				**29987.99**	

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
All DISCOMs	L.T.	4.48%	L.T.	40454	42349.46	43742.19	45188.60	46949.13
	11kV	3.17%	11kV	5975.29	-	6170.95	6375.31	6623.70
	33kV	3.21%	33kV	7277.04	-	-	7518.11	7811.01
	132kV	3.75%	132kV	14813.36	-	-	-	15390.48
			TOTAL	68519.92	42349.46	49913.13	59082.02	76774.32
			Loss up to said voltage		4.48%	6.98%	9.10%	10.75%
						D. Loss (MU)	5375.47	
						T. Loss (MU) including PGCIL Loss	2878.93	
			Total Loss (MU) & % Loss including PGCIL				**8254.40**	**10.75%**
			Total Power Purchase Requirement (MU)				**76774.32**	

Table 18 : Power Purchase Requirement for the FY2023-24 approved by APERC

Power Purchase (in MU), Voltage Wise sales (in MU) and Voltage Wise Loss (%)

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APSPDCL	L.T.	4.14%	L.T.	15021.30	15670.04	16166.35	16666.34	17181.79
	11kV	3.07%	11kV	1989.72	-	2052.74	2116.23	2181.68
	33kV	3.00%	33kV	2853.18	-	-	2941.42	3032.39
	132kV	3.00%	132kV	5973.49	-	-	-	6158.23
				25837.68	15670.04	18219.09	21723.98	28554.09
			Loss up to said voltage		4.14%	6.63%	8.56%	9.51%
						D. Loss (MU)	1859.78	
						T. Loss (MU) including PGCIL Loss	856.62	
			Total Loss (MU) & % Loss including PGCIL				**2716.41**	**9.51%**
			Total Power Purchase Requirement (MU)				**28554.09**	
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APCPDCL	L.T.	3.74%	L.T.	10778.85	11197.64	11552.30	11909.58	12277.92
	11kV	3.07%	11kV	1571.73	-	1621.51	1671.66	1723.36
	33kV	3.00%	33kV	1650.95	-	-	1702.01	1754.65
	132kV	3.00%	132kV	1058.51	-	-	-	1091.24
			TOTAL	15060.04	11197.64	13173.81	15283.26	16847.18
			Loss up to said voltage		3.74%	6.25%	8.39%	10.61%
						D. Loss (MU)	1281.73	
						T. Loss (MU) including PGCIL Loss	505.42	
			Total Loss (MU) & % Loss including PGCIL				**1787.14**	**10.61%**
			Total Power Purchase Requirement (MU)				**16847.18**	

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APEPDCL	L.T.	3.93%	L.T.	13907.88	14476.82	14924.55	15346.58	15821.22
	11kV	3.00%	11kV	2472.09	-	2548.54	2620.61	2701.66
	33kV	2.75%	33kV	2831.16	-	-	2911.22	3001.26
	132kV	3.00%	132kV	7781.37	-	-	-	8022.03
			TOTAL	26992.49	14476.82	17473.09	20878.41	29546.16
			Loss up to said voltage		3.93%	6.26%	7.99%	8.64%
						D. Loss (MU)	1667.29	
						T. Loss (MU) including PGCIL Loss	886.38	
			Total Loss (MU) & % Loss including PGCIL				**2553.67**	**8.64%**
			Total Power Purchase Requirement (MU)				**29546.16**	

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
All DISCOMs	L.T.	3.96%	L.T.	39708.03	41344.50	42643.20	43922.50	45280.93
	11kV	3.04%	11kV	6033.54	-	6222.79	6408.49	6606.69
	33kV	2.90%	33kV	7335.29	-	-	7554.65	7788.30
	132kV	3.00%	132kV	14813.36	-	-	-	15271.51
			TOTAL	67890.21	41344.50	48865.99	57885.65	74947.43
			Loss up to said voltage		3.96%	6.39%	8.31%	9.42%
						D. Loss (MU)	4808.80	
						T. Loss (MU) including PGCIL Loss	2248.42	
			Total Loss (MU) & % Loss including PGCIL				**7057.22**	**9.42%**
			Total Power Purchase Requirement (MU)				**74947.43**	

CHAPTER - IV

POWER PURCHASE COSTS

Introduction

64. In this Chapter, the Commission proposes to determine the power purchase cost for each DISCOM for FY 2023-24 based on the power purchase requirement approved in Chapter III while keeping in view the stakeholders' views/objections/suggestions and all other related aspects as detailed hereunder:

DISCOMS' submission in their Filings:

(i) Contracted capacities, power sharing and energy availability

65. The contracted capacities in the PPAs (which were vested with them as per the third transfer scheme notified by GoAP in the year 2005 and in pursuance of the AP Reorganisation Act,2014) have been shared among them based on the ratios fixed by the State Govt. from time to time,

66. Consequent to the formation of APCPDCL which has commenced its operations w.e.f. 01.04.2020, the State Govt. vide G.O. Ms. No. 13, dated 6th April 2020 has revised the ratios for sharing of conventional power capacities among the three DISCOMS applicable to all the Power Purchase Agreements (PPAs) of the existing stations and stations under construction. The ratios specified in G.O. Ms. No.13 are given below:

Sl. No.	Name of the DISCOM	Allocated Share in %
1	APSPDCL	40.44%
2	APEPDCL	36.22%
3	APCPDCL	23.34%
4	Total	100.00%

In accordance with the GoAP letter dated 29.06.2022, the APCPDCL has been designated as Lead Procurer on behalf of DISCOMs in respect of bulk power purchase activity from all shared power projects. The Non-Conventional /Renewable Energy sources were shared based on the geographical location of the territorial DISCOM. That APPCC by letter dated 9.11.2022 requested GoAP to arrange to issue orders for sharing of power generated from NCE generators connected to 132 KV and above among APDISCOMs in the power-sharing ratio on par with conventional energy projects instead of on the geographical location basis.

(ii) THE DETAILS OF GENERATOR CAPACITIES PROPOSED TO BE AVAILED BY THE DISCOMS FOR FY 2023-24

(A) APGENCO STATIONS

67. The DISCOMS have been purchasing power from APGENCO Stations based on the long-term PPAs/approvals of the Commission. Consequent to the Power Regulations imposed by APGENCO on TS DISCOMS and TS GENCO on APDISCOMS, power supply from thermal power projects located in Telangana State has been stopped and APDISCOMS are availing 100% of APGENCO capacities, with effect from 11-06-2017.

The capacities proposed to be availed by the DISCOMS from APGENCO for FY2023-24 are given in the table below.

Station	Installed Capacity (MW)
Thermal	
Dr. NTTPS-I, II, III (6 x 210MW)	1260
Dr. NTTPS-IV (1 x 500MW)	500
RTPP-I (2 x 210MW)	420
RTPP-II (2 x 210MW)	420
RTPP- III (1 x 210MW)	210
RTPP- IV(1x 600MW)	600
Total Thermal	**3410**
Hydel	
Donkarayi Canal PH (1 x 25MW)	25
Upper Sileru HES (4 x 60MW)	240
Lower Sileru HES (4 x 115MW)	460
Srisailam Right Bank PH (7 x 110MW)	770
Nagarjuna Sagar Right Canal PH (3x30MW)	90
PABR (2 x 10MW)	20
Mini Hydel Station (2 x 0.5MW)	1
NagarjunaSagar Tail Pond PH (2 x 25MW)	50
Interstate Hydel Projects	
Machkund, Orissa (AP share 70%)	84
T.B. Station, Karnataka (AP share 80%)	57.60
Total Hydel power including Interstate Projects	**1797.6**
Total APGENCO power	**5207.6**

(B) CENTRAL GENERATING STATIONS

68. The DISCOMS have been purchasing power from the Central Generating Stations (CGS) owned /controlled by Central Public Sector Undertakings (CPSUs) based on the long-term PPAs. The capacities proposed to be availed by the DISCOMS from CGS for FY 2023-24 based on their share of power from these Stations as of 30th September 2022 are given in the following table:

Station	Capacity Share-State (MW)
NTPC-(SR) Ramagundam I & II	275.84
NTPC-(SR) Ramagundam- III	69.38
NTPC-Talcher-II	176.03
NTPC Simhadri Stage-I	461.10
NTPC Simhadri Stage-II	204.00
NLC TS II Stage-I	46.70
NLC TS II Stage-II	85.61
NPC-MAPS	18.13
NPC-Kaiga 1 & 2	55.21
NPC-Kaiga 3 & 4	58.90
Vallur (JV) NTPC with TANGEDCO	86.15
NLC-TNPL Tuticorin	121.33
NTPC-Kudigi	230.16
NTPC JNNSM Phase I	39.27
NNTPS	52.70
Total	**1980.51**

69. In the Retail Supply Tariff Order for FY 2022-23, the Commission has disallowed the dispatch from the following four CGSs whose AP share of contracted capacity is indicated below:

Sl.No	Name of the CGS Plant	Allocated Capacity to APDISCOMs (MW)
1	NTPC-Kudgi	244.56
2	NTECL – Vallur	86.15
3	NTPL	121.33
4	NNTPS	52.70
5	**Total**	**504.74**

The DISCOMS filed an I. A before the APERC in O.P.No. 122 of 2021, 123 of 2021, and O.P. No. 124 of 2021 for re-consideration of energy dispatch from the above

stations keeping in view of the Power Supply Situation, the approval accorded by the Commission in Resource Plan for the fourth control period FY 2019-24 treating them under Base Load Plants, and existing Power Purchase Agreements with the CGS. DISCOMS stated that the above plants being in the thermal category can generate on a consistent basis to cater to the day-to-day demand and are utilized as base load stations. That DISCOMS are scheduling power from these base load plants more or equal to its entitlement in most of the time blocks in a day. The IA was dismissed by the Commission. The DISCOMS approached the Hon'ble Appellate Tribunal for relief in this regard. The appeal is pending. DISCOMS proposed purchase from these stations for the next year also for the following reasons.

During the first half of the current financial year, the average market price and energy procured by the DISCOMs from the exchanges are indicated below.

Month	Energy Procured (MU)	Average Market Price (Rs/Unit)
Apr-22	1000.675	9.586
May-22	573.577	11.22
Jun-22	936.219	7.961
Jul-22	363.423	7.054
Aug-22	391.916	7.421
Sep-22	324.292	7.819
Total	**3590.102**	**8.771**

The average procurement cost from the four CGS for April 22 - September 2022 which were not included in power procurement plan for FY 2022-23 by the Commission is shown below:

Energy & PP Cost details during the period from Apr-22 to Sep-22 (FY 2022-23 H1)									
Sl. No.	**Name of the CGS Plant**	**Allocated Capacity to APDISCOMs (MW)**	**Procured Energy (MU)**	**Fixed Cost**		**Variable Cost**		**Total Cost**	
				Rs Crs	**Rs/ Unit**	**Rs. Crs.**	**Rs/ Unit**	**Rs Crs**	**Rs/ Unit**
1	NTPC- Kudgi	244.56	818.44	143.25	1.75	476.47	5.82	619.72	7.57
2	NTECL - Vallur	86.15	290.03	59.98	2.07	107.07	3.69	167.05	5.76
3	NTPL	121.33	358.89	61.78	1.72	147.91	4.12	209.69	5.84
4	NNTPS	52.70	190.13	33.13	1.74	42.01	2.21	75.14	3.95
5	**Total**	**504.74**	**1657.49**	**298.13**	**1.80**	**773.47**	**4.67**	**1071.6**	**6.47**

The higher variable price is due to the blending of Domestic Coal with 30% of imported coal during the first half of the current financial year as per the direction given by the Ministry of Power, Govt. of India to the Thermal Power Stations to tide over the power supply crises prevailing in the Country. The above CGSs used imported coal to augment the availability of supply to the beneficiaries. Even after the blending of domestic coal with 30% imported coal, the weighted average cost of power from these plants is only Rs.6.47 per unit compared to Rs.8.77 per unit of the weighted average price of market procurement. After the withdrawal of the direction by MoP for 30 % blending imported coal with domestic coal, the variable cost is getting decreased. Further, in view of existing PPAs with the subject plants, the DISCOMS can not get away with the fixed cost obligation even if the plants are not dispatched or procurement is not approved by the Commission. The annual fixed cost liability is to the tune of Rs 500 Cr. Further, the Hon'ble CERC has issued the following regulations as a part of Grid Security Management.

i. GNA (General Network Access) Regulations, 2022
ii. Ancillary Services Regulations, 2022
iii. DSM Regulations, 2022
iv. Draft IEGC-2022.

The above new Regulations are very stringent to force the beneficiaries to strict adherence to their schedule drawals / injections as the case may be.

For all the reasons mentioned above, SLDC/DISCOMS are of the opinion that the existing base generation capacity from Intra State & Central generating stations without the four CGS stations which were not approved by the Commission aggregating to about 500 MW during FY 2022-23, will not be sufficient to meet the minimum load persistent on the system for all time blocks in a year under stringent CERC regulations as mentioned above to comply with. Therefore, if the power procurement from these base load plants is not approved, DISCOMs have to rely on market purchases even to meet the base load. In order to meet the Grid demand and to extend 24X7 reliable, secured, and cost-effective power supply to the Consumers in the State, SLDC/DISCOMs have scheduled power from these four CGS to their entitlement as this power is viable when compared to prices in Power Markets in the Current Financial Year.

For the above reasons, the DISCOMS requested the Commission to approve the procurement of power from the four CGS mentioned above for the Current Financial Year and for the ensuing financial year. The DISCOMS also requested the Commission to ratify their action of procurement made by them in the current financial year while stating that any new procurement proposals from CGS would be submitted to the Commission for permission to enter into PPAs now onwards.

(C) Joint Sector Projects

70. SDSTPS-Stage-I - 2 X 800 MW

Andhra Pradesh Power Development Corporation (APPDCL) is owning & operating Sri Damodaram Sanjeevaiah Super Thermal Power Station-Stage-I (SDSTPS-Stage-I) with an Installed capacity of 2X800 MW at Krishnapatnam. APDISCOMS have a share of 1440 MW, constituting 90% share in the installed capacity of the project as per the PPA.

71. GGPP-216 MW

The GVK-I plant was bought by APDISCOMS upon the expiry of the PPA with GVK Industries Limited on 22.04.2016 and renamed it as GGPP. The plant is being operated by the employees deputed from APGENCO. APDISCOMS are procuring the energy from this plant as per the approval of APERC. The capacity of the plant is 216 MW. The plant is being run with the APM Gas as available.

(D) INDEPENDENT POWER PRODUCERS (THERMAL)

72. Sembcorp Energy India Limited [Formerly Thermal Powertech Corporation India Limited, (TPCIL)]:

The DISCOMS have PPA along with TS DISCOMS with TPCIL for a contracted capacity of 500 MW on a Long term basis under case-I bidding for a period of 25 years w.e.f. 20.04.2015. APDISCOMS have a share of 46.11% i.e., 230.55 MW out of the said total contracted capacity of 500 MW. The plant is connected to the CTU network in AP. That as per the PPA, APDISCOMS are obligated to reimburse the applicable Long Term Open Access (LTOA) charges to the generator.

73. Hinduja Power Plant:

Hinduja National Power Corporation Ltd (HNPCL) had set up a 1040 MW (2X520 MW) Thermal Power Plant at Visakhapatnam. Consequent to the judgement of the Hon'ble Supreme Court on 2nd February 2022, the DISCOMS started procurement of power from the plant. The APERC pronounced final orders in O.P. No. 21 of 2015 and OP.No.19 of 2016 on 01.08.2022 approving the PPA & determining the Fixed & Variable charges of the plant for the current Multi-Year Control Period FY 2019-24.

(E) INDEPENDENT POWER PRODUCERS (GAS)

74. The DISCOMS have entered into long-term PPAs with GVK Extension (220 MW), GVPGL (GMR Vemagiri Power Generation Limited-370 MW), Gouthami CCPP (464 MW), and Konaseema Gas Power Limited (444.08 MW). These plants were commissioned in the years 2006 (GVPGL), 2009 (GVK Extension, Gouthami CCPP), and 2010 (Konaseema Gas Power Limited). The APDISCOMS were allocated 46.11%

of capacity in these plants as per the AP Reorganisation Act. That the Natural gas supplies from RIL KG D-6 fields to the said plants became zero w.e.f. 01.03.2013 and as a result, there is no generation from them as of now. Further, there is no official communication from MoP & NG on the availability of natural gas to these plants. Therefore, the DISCOMS have not proposed to procure any power from these plants for FY 2023-24 and they not paying any fixed charges to these plants as well.

(F) RENEWABLE ENERGY PLANTS

75. The DISCOMS are having PPAs with Non-Conventional/Renewable Energy plants for the capacities as given in the table below.

TYPE OF NCE PROJECT	**Capacity Contracted (MW)**
Biomass power projects including Co-gen	96
Bagasse Co generation	94
Mini hydel power projects	30.65
Industrial waste based power projects	21.66
Municipal waste	36.15
Solar	2466.43
Wind	3688
JNNSM-Ph-I -Bundled Solar	39.2
JNNSM-Ph-II -Bundled Solar	1250
Total	**7722.09**

(G) New Thermal Projects:

76. SDSTPS-Stage II -800 MW

The DISCOMs have entered into an amended and restated power purchase agreement on 14-10-2022 with APPDCL for procurement of 100% power from its SDSTPS-Stage-II having installed capacity of 800 MW, and the signed PPA was submitted to the Commission for consent by letter dated 17-10-2022. The plant was synchronized to the AP Grid and it is under final commissioning stage. The plant is expected to achieve Commercial Operation Date (COD) by December 1, 2022. Accordingly, power procurement is proposed for the rest of the current financial year, and the ensuing financial year.

77. VTPS-Stage V - 800 MW

The DISCOMs have entered into an amended and restated power purchase agreement on 14-10-2022 with APGENCO for procurement of 100% power from its VTPS-Stage-

V having an installed capacity of 800 MW, and the signed PPA was submitted to the Commission for consent by letter dated 17-10-2022. The plant is synchronized to the AP Grid, and it is under final commissioning stage. The plant is expected to achieve Commercial Operation by April 1, 2023. Accordingly, power procurement is proposed for the ensuing financial year FY 2023-24.

78. Sembcorp - P2-625 MW

The DISCOMs have entered Power Supply Agreement (PSA) with Sembcorp Energy India Limited on 31.12.2021 for procurement of 625 MW (500 MW firm capacity & 125 MW Open Capacity) through the TBCB route which was initiated in the year 2014-15. The APERC issued consent to PSA entered between the DISCOMs and SEIL by Order dated 01.06.2022 in OP No 17 of 2022. The commencement of the Power Supply Agreement is on or before 31.12.2023 or the commissioning of the STU network whichever is earlier. The plant is connected to PGCIL Pooling Station at Nellore at present. The connectivity is to be changed to the APTRANSCO network by laying their own Tr. system isolating one of the generating units of 660 MW in the plant from the CTU Network. The APTRANSCO's under-construction Transmission Scheme is expected to be completed before June 2023. The DISCOMS further stated that the Commission accorded permission by letter dated 12-08-2022 to advance the commencement of procurement of power from Sembcorp from CTU network keeping in view of the power shortage situation in the 2nd half of the Current Financial Year as per the request of the DISCOMS. The plant is expected to commence the supply of power with effect from December 1, 2022, and Accordingly, power procurement is proposed from December 2022 for Current Financial Year and the ensuing financial year.

(H) MoP allocation of Power from the certain unallocated quota of SR Pool:

79. In accordance with the revised methodology of re-distribution of the unallocated quota of Central Generating Stations (CGS) in the Southern Region Pool, the MoP & SRPC have communicated the allocation of a meagre quantum of 6.4 MW from three different existing CGS stations with whom DISCOMs don't have PPAs. The allocation is pursuant to a policy of Govt. of India to ensure allocation to the States from all plants.

The details of the allocation and approximate Fixed Cost, Variable Cost, and applicable ISTS charges are indicated in the following Table.

Sl. No.	Name of the Generator	Allocation in MW	Fixed Cost	Variable Cost	Tr. Charges	Total Cost
			Rs. per unit			
1	NLC TPS-I Expansion	2.14	0.965	2.446	0.60	4.011
2	NLC TPS-II Expansion	2.55	2.309	2.617	0.60	5.526
3	Kudamkulam Nuclear Plant	1.7	4.41		0.60	5.01

The DISCOMs by letter dated 18-11-2022, requested the Commission to accord consent for procurement of power from the plants shown in above table, and for entering into PPAs.

(I) Summary of capacities:

80. As detailed in earlier paragraphs, the sources and capacities considered by the DISCOMS for estimation of the energy availability during the FY 2023-24 are summarized as shown in the table below.

Sl. No.	Source	Contracted Capacity/Capacity share in MW
1	APGENCO-Thermal	4210.00
2	APGENCO- Hydel	1656.00
3	Interstate- Hydel	141.60
4	**APGENCO-TOTAL**	**6007.60**
5	CG Stations	1980.51
6	NCE/RE plants	7722.09
7	APPDCL Stage-I & II	2240.00
8	Godavari Gas Power Plant	216.00
9	Thermal Powertech Corporation	230.55
10	SEIL	625.00
11	HNPCL	1040.00
	TOTAL	**20061.75**

(iii) ENERGY AVAILABILITY

81. The energy availability estimated by each DISCOM, and the three DISCOMS put together from different sources as described in the previous paragraphs for FY2023-24 are shown in Annexures – 04 A to 04 D, and a summary of the same is given in the table below.

Table 19 : Filings: Energy Availability (MU)

Sl. No.	Source	DISCOMS TOTAL CAPACITY (MW)	SPDCL	CPDCL	EPDCL	Total for three DISCOMS (MU)
1	APGENCO-Thermal	3410	9340.57	5390.92	8365.86	23097.35
2	APGENCO-New Thermal Dr. NTTPS V	800	2270.42	1310.38	2033.50	5614.3
3	APGENCO- Hydel	1656	1119.91	646.36	1003.05	2769.32
4	Interstate- Hydel	141.6	170.23	98.25	152.47	420.95
5	**APGENCO-TOTAL**	**6007.60**	**12901.14**	**7445.91**	**11554.88**	**31901.93**
6	CG Stations	1980.51	6040.64	3486.36	5410.29	14937.29
7	NCE/RE plants	7722.09	13874.53	164.64	145.25	14184.42
8	APPDCL Stage-I	1440	3188.50	1840.25	2855.77	7884.52
9	APPDCL Stage-II	800	2276.64	1313.96	2039.06	5629.66
10	Godavari Gas Power Plant	216	219.98	126.96	197.02	543.96
11	Thermal Powertech Corporation	230.55	777.28	448.61	696.17	1922.06
12	SEIL	625	1998.14	1153.23	1789.63	4941
13	HNPCL	1040	2951.60	1703.52	2643.6	7298.72
14	**TOTAL**	**20061.75**	**44228.45**	**17683.44**	**27331.67**	**89243.56**

82. After considering the above availabilities, the DISCOMS have estimated energy surplus with reference to their energy requirement, month-wise for FY 2023-24. The surplus energy month-wise for the three DISCOMS put together is shown in the table below:

Table 20: Energy requirement, surplus energy month-wise for FY 2023-24

Month	Energy Requirement (MU)	Availability from all Stations (MU)	Surplus for three DISCOMS (MU)
Apr, 23	6863.54	7382.91	519.37
May, 23	6531.03	8143.12	1612.09
Jun, 23	6485.63	7655.16	1169.53
Jul, 23	6082	7937.78	1855.78
Aug, 23	6415.43	7785.59	1370.16
Sep, 23	6320.77	7823.93	1503.16
Oct, 23	6642.45	7123.26	480.81
Nov, 23	5414.15	6369.91	955.76
Dec, 23	5837.6	6788.68	951.08
Jan, 24	6304.45	7460.29	1155.84
Feb, 24	6385.65	7073.84	688.19
Mar, 24	7491.62	7699.11	207.49
Total	**76774.32**	**89243.58**	**12469.26**
Surplus (MU)			**12469.26**

(iv) ENERGY DESPATCH

83. The Energy dispatch is carried out by the AP State Load dispatch center treating the State as a control area instead of DISCOM's licence area for optimization of power purchase cost, as per the provisions of the Act and Regulations. If any shortage is observed in Real Time or Weak ahead / Month ahead, the same will be made good by procuring power from the market/exchanges following the procedures specified in the relevant regulations. Short-term power for up to 3 months can be procured through Exchanges under Term Ahead (TAM) apart from the DEEP-E bidding portal operated by MSTC under the aegis of the Ministry of Power.

84. The Energy despatches proposed by each DISCOM and the three DISCOMS put together from different sources for FY 2023-24 are shown in Annexures – 06 A to 06D and the summary of the same is given in the table below:

Table 21: Original Filings: Energy Despatch (MU)

Sl. No.	Source	SPDCL	CPDCL	EPDCL	Total for three DISCOMS (MU)
1	APGENCO-Thermal	5364.89	3096.35	4805.05	13266.286
2	APGENCO-New Thermal Dr.NTTPS V	2270.42	1310.384	2033.50	5614.304
3	APGENCO- Hydel	1119.91	646.36	1003.05	2769.32
4	Interstate- Hydel	170.23	98.25	152.47	420.95
5	**APGENCO-TOTAL**	**8925.45**	**5151.34**	**7994.07**	**22070.86**
6	CG Stations	5193.74	2997.57	4651.76	12843.07
7	NCE/RE plants	13874.53	164.64	145.25	14184.42
8	APPDCL Stage-I	3188.5	1840.25	2855.77	7884.52
9	APPDCL Stage- II (new)	2276.64	1313.96	2039.06	5629.66
10	Godavari Gas Power Plant	0.00	0.00	0.00	0.00
11	Thermal Powertech Corporation	777.28	448.61	696.17	1922.06
12	SEIL	1998.14	1153.23	1789.63	4941
13	HNPCL	2951.6	1703.52	2643.6	7298.72
14	Short term purchases	**0.00**	**0.00**	**0.00**	0.00
15	**D<>D Purchase**	**0.00**	**2454.15**	**7172.69**	**9626.84**
	Purchase from CPDCL	**0.00**	**0.00**	**0.00**	0.00
	Purchase from SPDCL	**0.00**	2454.15	7172.69	9626.84
16	**D<>D Sale**	**-9626.84**	**0.00**	**0.00**	**-9626.84**
	Sale to CPDCL	**-2454.15**	**0.00**	**0.00**	-2454.15
	Sale to EPDCL	**-7172.69**	**0.00**	**0.00**	-7172.69
	Sale to SPDCL	**0.00**	**0.00**	**0.00**	0.00
17	**TOTAL**	**29559.04**	**17227.28**	**29988.00**	**76774.32**

(v) POWER PURCHASE COST

85. Based on the above despatches, the DISCOMS have estimated power purchase cost for FY2023-24 as detailed in the subsequent paragraphs:

(A) Fixed costs

86. The fixed costs in respect of APGENCO's stations have been taken as per the MYT Order for the control period FY 2019-24 issued by the Commission, and in line with the SDSTPS stage-1 for Dr. NTTPS-V. The fixed costs projected by the three DISCOMS put together in respect of APGENCO's power plants are given in the table below:

Table 22 : Original Filings: Fixed Cost – APGENCO for FY 2023-24

S. No.	Generating Station/Stage	Fixed Cost (Rs Cr.) for three DISCOMS
	AP Genco-Thermal	
1	Dr. NTTPS	731.83
2	Dr. NTTPS-IV	288.81
3	Dr. NTTPS-V	1564.4
4	RTPP Stage-I	274.33
5	RTPP Stage-II	269.83
6	RTPP Stage-III	172.00
7	RTPP Stage-IV	737.70
	APGenco-Thermal Total	**4038.90**
	APGenco – Hydel	
8	Srisailam RCPH	231.64
9	NSRCPH	26.61
10	NSTPDC PH	49.45
11	Upper Sileru	251.76
12	Lower Sileru	0.00
13	Donkarayi	0.00
14	PABM	13.78
15	Minihydel (Chettipet)	1.88
	APGenco - Hydel Total	**575.12**
	Interstate – Hydel	
16	Machkund AP Share	67.86
17	TB Dam AP Share	0.00
	Interstate-Hydel Total	67.86
	APGENCO-TOTAL	**4681.88**

87. The fixed costs for CGSs for FY2023-24 were estimated as per the Annual Fixed costs of the respective generators approved in their respective tariff orders or Filings before CERC or based on the Previous Year's Annual Fixed Charges. The fixed costs claimed

by the three DISCOMS put together in respect of the Central Generating Stations are given in the table below.

Table 23: Original Filings: Fixed Cost - CGS for FY 2023-24

S.No.	CG Stations	Fixed Cost (Rs Cr.) for three DISCOMs
1	NTPC(SR) Ramagundam I & II	157.92
2	NTPC(SR) Simhadri Stage-I	304.77
3	NTPC(SR) Simhadri Stage-II	215.16
4	NTPC(SR) Talcher Stage-II	88.13
5	NTPC(SR) Ramagundam III	43.67
6	NTPC Kudgi Stage-I	245.57
7	NTECL Valluru	111.07
8	NLC Stage-I	23.61
9	NLC Stage-II	43.65
10	NPC(MAPS)	0.00
11	NPC(KAIGA unit I,II,III,IV)	0.00
12	NTPL(NLC Tamil Nadu)	139.75
13	NLC NNTPS	66.43
14	KKNPP Unit-I	0.00
15	NLC TPS- I Expn.	1.41
16	NLC TPS- II Expn.	3.71
17	JNNSM Ph-1 Thermal	31.70
	CGS TOTAL	**1476.55**

88. In addition to the fixed costs shown above, DISCOMS also estimated Rs.97.74 Cr. towards incentive and other costs for FY 2023-24 in respect of CGSs.

89. The fixed costs of SDSTPS stage I and stage II are estimated as per the Retail Supply Tariff Order for FY 2022-23. The fixed cost claimed by the three DISCOMS put together are shown below:

Sl. No.	Station	Fixed Costs (Rs Cr.) for three DISCOMS
1	SDSTPS-Stage-I	1228.88
2	SDSTPS-Stage-II	1553
	Total	**2781.88**

90. The fixed costs of GGPP for FY 2023-24 are estimated considering the actual cost of O&M and other expenditures incurred in the last 6 months of the current financial year and the same is at Rs.27.13 Cr. for the three DISCOMS together.

91. Thermal Powertech was selected based on a competitive bid, and the fixed costs are claimed as per the rates in the PPA along with the charges on account of the Change in Law approved by CERC. Accordingly, the fixed cost including other costs are estimated at Rs.274.47 Cr. for FY 2023-24 for the three DISCOMS.

92. The fixed costs are estimated at Rs.825.15 Cr. for the three DISCOMS as per the PSA in respect of Sembcorp-P2 of 625 MW.

93. The fixed costs are estimated at Rs.1042.99 Cr. for the three DISCOMS as per the Commission's Order dated 02.08.2022 in O.P.No.21 of 2015 in respect of HNPCL.

(B) Variable Costs

94. The variable costs for APGENCO's thermal stations have been projected for FY2023-24 as per the Retail supply tariff Order for FY 2022-23, i.e., at 115% of base variable cost approved in MYT. But in respect of Dr. NTTPS stage-V, the variable cost is based on its projection. The variable costs per unit projected and total variable costs corresponding to the estimated despatch are given in the table below:

Sl. No	Generating Station / Stage	Variable Cost (Rs/Unit)	Variable Costs (Rs Cr.) for three DISCOMS FY 2023-24
1	Dr. NTTPS	3.34	2242.27
2	Dr. NTTPS-IV	3.15	1101.41
3	Dr. NTTPS-V	3.08	1729.21
4	RTPP Stage-I	3.86	315.93
5	RTPP Stage-II	3.86	145.39
6	RTPP Stage-III	3.86	41.03
7	RTPP Stage-IV	3.66	642.33
	Sub-Toal APGENCO -Thermal	**3.29**	**6217.57**

95. The variable cost rates for FY 2023-24 for Central Generating thermal stations are projected based on the actual weighted average variable rates during 2021-22 applying a 5 percent escalation. The variable costs per unit projected and total variable costs corresponding to the estimated despatch are given in the table below:

Sl. No.	Generating Station / Stage	Variable Cost (Rs/Unit)	Variable Cost (Rs Cr.) for three DISCOMS FY 2023-24
1	NTPC (SR) Ramagundam I & II	2.92	694.86
2	NTPC (SR) Simhadri Stage 1	3.07	1056.80
3	NTPC (SR) Simhadri Stage 2	3.05	490.28
4	NTPC (SR) Talcher St. II	1.84	238.95
5	NTPC (SR) Ramagundam Stage-III	2.87	153.21
6	NTPC Kudgi Stage 1	0	0.00
7	NTECL Valluru	3.55	145.34
8	NLC Stage-I	2.79	101.02
9	NLC Stage-II	2.79	176.40
10	NPC (MAPS)	2.73	12.37
11	NPC (Kaiga Unit-I,II,III & IV)	3.71	301.77
12	NTPL (NLC Tamil Nadu Power Ltd Stage-1)(TUTICORIN)	3.38	215.63
13	NLC NNTPS	2.3	80.19
14	KKNPP Unit-I	4.63	5.10
15	NLC TPS- I Expn.	2.57	3.76
16	NLC TPS- II Expn.	2.75	3.24
17	JNNSM PH-1 THERMAL	3.23	94.04
	CGS TOTAL	**2.94**	**3772.96**

96. The variable costs for FY 2023-24 in respect of the other NCE/RE stations as shown in the table below based on PPAs/PSAs, and also as per the RST order for FY 2022-23.

Sl. No.	Generating Station / Stage	Variable Cost (Rs/Unit)	Variable Cost (Rs Cr.) for three DISCOMS FY 2023-24
1	APPDCL Stage-I	3.14	2475.74
2	APPDCL Stage-II	3.14	1767.71
3	Thermal Powertech Corporation	2.49	478.24
4	SEIL	2.17	1072.20
5	HNPCL	2.81	2050.94
	Others Total	**2.83**	**7844.83**
6	NCE- Others	5.08	178.89
7	NCE Solar	4.22	1869.08
8	NCE WIND	4.70	3139.79
9	JNNSM PH 1 SOLAR	10.76	42.16
10	JNNSM PH 2 SOLAR	4.39	1177.53
	NCE TOTAL	**4.52**	**6407.45**

97. Accordingly, based on the fixed costs, variable costs, and other costs as described above, the power purchase costs that were arrived at by the DISCOMs for the three DISCOMS and DISCOM wise corresponding to the energy despatches estimated by them station/stage wise for FY 2023-24 are shown in the Annexures 08 A to 08 D and the summary of the same is given in the tables below:

Table 24 : Original Filings: Three DISCOMS - Power Purchase Cost for FY 2023-24

Sl. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)				Unit Cost (Rs. / kWh)			
			Fixed	Variable	Others	Total	Fixed	Variable	Others	Total
1	AP Genco-Thermal	13266.29	2474.49	4488.36	0.00	6962.85	1.87	3.38	0.00	5.25
2	APGENCO-New Thermal Dr.NTTPS V	5614.3	1564.40	1729.20	0.00	3293.60	2.79	3.08	0.00	5.87
3	APGenco-Hydel	2769.32	575.12	0.00	0.00	575.12	2.08	0.00	0.00	2.08
4	Interstate-Hydel	420.95	67.86	0.00	0.00	67.86	1.61	0.00	0.00	1.61
5	**APGENCO-TOTAL**	**22070.86**	**4681.88**	**6217.56**	**0.00**	**10899.44**	**2.12**	**2.82**	0.00	4.94
6	CG Stations	12843.07	1476.57	3772.96	97.77	5347.30	1.15	2.94	0.08	4.16
7	NCE	14184.42	10.65	6407.45	0.00	6418.10	0.01	4.52	0.00	4.52
8	APPDCL Stage-I	7884.52	1228.88	2475.74	0.00	3704.62	1.56	3.14	0.00	4.70
9	APPDCL Stage-II	5629.66	1553	1767.71	0.00	3320.71	2.76	3.14	0.00	5.90
10	Godavari Gas Power Plant	0.00	27.13	0.00	0.00	27.13	0.00	0.00	0.00	0.00
11	Thermal Powertech Corporation	1922.06	269.46	478.24	5.02	752.72	1.40	2.49	0.03	3.92
12	SEIL	4941.00	825.145	1072.2	0.00	1897.345	1.67	2.17	0.00	3.84
13	Hinduja National Power Corporation Limited (HNPL)	7298.72	1042.99	2050.94	0.00	3093.925	1.43	2.81	0.00	4.24
14	Short term purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	D<>D-Purchase	9626.84	0.00	4414.82	0.00	4414.82	0.00	0.00	0.00	4.59
16	**D<>D-Sale**	-9626.84	0.00	-4414.82	0.00	-4414.82	0.00	0.00	0.00	4.59
	Sale to CPDCL	-2454.15	0.00	-1125.46	0.00	-1125.46	0.00	4.59	0.00	4.59
	Sale to EPDCL	-7172.69	0.00	-3289.36	0.00	-3289.36	0.00	4.59	0.00	4.59
	TOTAL	**76774.32**	**11115.71**	**24242.79**	**102.79**	**35461.29**	**1.45**	**3.16**	0.01	4.62

Table 25: Original Filings: APSPDCL - Power Purchase Cost for FY 2023-24

Sl.No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)				Unit Cost (Rs. / kWh)			
			Fixed	Variable	Others	Total	Fixed	Variable	Others	Total
1	AP Genco-Thermal	5364.89	1000.68	1815.10	0.00	2815.78	1.87	3.38	0.00	5.25
2	APGENCO-New Thermal Dr.NTTPS V	2270.42	632.64	699.28	0.00	1331.92	2.79	3.08	0.00	5.87
3	APGenco-Hydel	1119.91	232.58	0	0.00	232.58	2.08	0.00	0.00	2.08
4	Interstate-Hydel	170.23	27.44	0	0.00	27.44	1.61	0.00	0.00	1.61
5	**APGENCO-TOTAL**	**8925.45**	**1893.35**	**2514.38**	**0.00**	**4407.73**	2.12	2.82	0.00	4.94
6	CG Stations	5193.74	597.12	1525.78	39.54	2162.44	1.15	2.94	0.08	4.16
7	NCE	13874.53	3.24	6222.16	0.00	6225.40	0.00	4.48	0.00	4.49
8	APPDCL Stage-I	3188.5	496.96	1001.19	0.00	1498.15	1.56	3.14	0.00	4.70
9	APPDCL Stage-II	2276.64	628.03	714.86	0.00	1342.89	2.76	3.14	0.00	5.90
10	Godavari Gas Power Plant	0	10.97	0	0.00	10.97	0.00	0.00	0.00	0.00
11	Thermal Powertech Corporation	777.28	108.97	193.4	2.03	304.40	1.40	2.49	0.03	3.92
12	SEIL	1998.14	333.69	433.6	0.00	767.29	1.67	2.17	0.00	3.84
13	Hinduja National Power Corporation Limited (HNPL)	2951.6	421.79	829.4	0.00	1251.19	1.43	2.81	0.00	4.24
14	Short term purchases	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
15	D<>D-Purchase	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
16	D<>D-Sale	-9626.84	0	-4414.82	0.00	-4414.82	0.00	4.59	0.00	4.59
	Sale to CPDCL	-2454.15	0	-1125.46	0.00	-1125.46	0.00	4.59	0.00	4.59
	Sale to EPDCL	-7172.69	0	-3289.36	0.00	-3289.36	0.00	4.59	0.00	4.59
17	**TOTAL**	**29559.04**	**4494.13**	**9019.94**	**41.57**	**13555.64**	1.52	3.05	0.01	4.59

Table 26: Original Filings: APCPDCL - Power Purchase Cost for FY 2023-24

Sl.No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)				Unit Cost (Rs. / kWh)			
			Fixed	Variable	Others	Total	Fixed	Variable	Others	Total
1	AP Genco-Thermal	3096.35	577.55	1047.58	0.00	1625.13	1.87	3.38	0.00	5.25
2	APGENCO-New Thermal Dr.NTTPS V	1310.38	365.13	403.6	0.00	768.73	2.79	3.08	0.00	5.87
3	APGenco- Hydel	646.36	134.23	0	0.00	134.23	2.08	0.00	0.00	2.08
4	Interstate- Hydel	98.25	15.84	0	0.00	15.84	1.61	0.00	0.00	1.61
5	**APGENCO-TOTAL**	**5151.34**	**1092.75**	**1451.18**	**0.00**	**2543.93**	2.12	2.82	0.00	4.94
6	CG Stations	2997.57	344.64	880.62	22.82	1248.08	1.15	2.94	0.08	4.16
7	NCE	164.64	5.36	103.82	0.00	109.18	0.33	6.31	0.00	6.63
8	APPDCL Stage-I	1840.25	286.82	577.84	0.00	864.66	1.56	3.14	0.00	4.70
9	APPDCL Stage-II	1313.96	362.47	412.58	0.00	775.05	2.76	3.14	0.00	5.90
10	Godavari Gas Power Plant	0	6.33	0	0.00	6.33	0.00	0.00	0.00	0.00
11	Thermal Powertech Corporation	448.61	62.89	111.62	1.17	175.68	1.40	2.49	0.03	3.92
12	SEIL	1153.23	192.585	250.25	0.00	442.835	1.67	2.17	0.00	3.84
13	Hinduja National Power Corporation Limited (HNPL)	1703.52	243.43	478.69	0.00	722.115	1.43	2.81	0.00	4.24
14	Short term purchases	0	0	0	0.00	0	0.00	0.00	0.00	0.00
15	D<>D-Purchase (from SPDCL)	2454.15	0	1125.46	0.00	1125.46	0.00	4.59	0.00	4.59
16	**D<>D-Sale**	0	0	0	0	0	0.00	0.00	0.00	0.00
	Sale to CPDCL	0	0	0	0	0	0.00	0.00	0.00	0.00
	Sale to EPDCL	0	0	0	0	0	0.00	0.00	0.00	0.00
17	**TOTAL**	**17227.28**	**2597.28**	**5392.06**	**23.99**	**8013.32**	**1.51**	**3.13**	**0.01**	**4.65**

Table 27: Original Filings: APEPDCL - Power Purchase Cost for FY 2023-24

Sl. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)				Unit Cost (Rs. / kWh)			
			Fixed	Variable	Others	Total	Fixed	Variable	Others	Total
1	AP Genco-Thermal	4805.05	896.26	1625.68	0.00	2521.94	1.87	3.38	0.00	5.25
2	APGENCO-New Thermal Dr.NTTPS V	2033.5	566.63	626.32	0.00	1192.95	2.79	3.08	0.00	5.87
2	APGenco - Hydel	1003.05	208.31	0	0.00	208.31	2.08	0.00	0.00	2.08
3	Interstate- Hydel	152.47	24.58	0	0.00	24.58	1.61	0.00	0.00	1.61
4	**APGENCO-TOTAL**	**7994.07**	**1695.78**	**2252.00**	**0.00**	**3947.78**	2.12	2.82	0.00	4.94
5	CG Stations	4651.76	534.81	1366.56	35.41	1936.78	1.15	2.94	0.08	4.16
6	NCE	145.25	2.05	81.47	0.00	83.52	0.14	5.61	0.00	5.75
7	APPDCL Stage-I	2855.77	445.1	896.71	0.00	1341.81	1.56	3.14	0.00	4.70
8	APPDCL Stage-II	2039.06	562.5	640.27	0.00	1202.77	2.76	3.14	0.00	5.90

Sl. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)				Unit Cost (Rs. / kWh)			
			Fixed	Variable	Others	Total	Fixed	Variable	Others	Total
9	Godavari Gas Power Plant	0.00	9.83	0.00	0.00	9.83	0.00	0.00	0.00	0.00
10	Thermal Powertech Corporation	696.17	97.6	173.22	1.82	272.64	1.40	2.49	0.03	3.92
11	SEIL	1789.63	298.87	388.35	0.00	687.22	1.67	2.17	0.00	3.84
12	Hinduja National Power Corporation Limited (HNPL)	2643.6	377.77	742.85	0.00	1120.62	1.43	2.81	0.00	4.24
13	Short term purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	D<>D-Purchase (from SPDCL)	7172.69	0.00	3289.36	0.00	3289.36	0.00	4.59	0.00	4.59
16	D<>D-Sale	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	0.00	0.00	0.00	0.00
	Sale to CPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sale to EPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	**TOTAL**	29988.00	4024.31	9830.79	37.23	13892.33	1.34	3.28	0.01	4.63

Objections, Views, and Suggestions

98. Several objections, views, and suggestions have been received from various stakeholders in respect of estimations of power availability, despatch, and power purchase costs projected by the DISCOMS. The main and relevant objections, views, and suggestions, and the responses of the DISCOMS on the same are detailed in the following paragraphs.

99. The objections, views, and suggestions of **Sri M.VenuGopalaRao & several others**, and the responses of the DISCOMS on the same are referred hereunder:

That in view of the fact that abnormal prices prevailing in the market, and compared to them the prices of the four Central Generating stations during the first half of the current financial year are lower, the refusal of the Commission to give consent to the request of the DISCOMs to permit them to procure power from the four CGSs for the period required does not seem to be justifiable. In light of the submissions of the DISCOMs that in view of existing PPAs with the four CGS stations, they cannot get away with the fixed cost obligations, even though the plants are not dispatched or procurement is not approved by the APERC, and that as the annual fixed cost liability on the DISCOMs is about Rs.500 crore, it gives rise to the question whether the implications and impact of non-inclusion of the four CGS stations in sources of power supply were thoroughly explained by the DISCOMS and considered by the Commission.

DISCOMS' Response: APDISCOMs are of the opinion that the existing base generation capacity from intra State & Central generating stations without these four

CGS stations aggregating to about 5000 MW, will not be sufficient to meet the minimum load persistent on the system for all time blocks in a year. If the power procurement from these base load plants is not approved, DISCOMs have to rely on market purchases even to meet the base load. In order to meet the Grid demand to provide uninterrupted supply to the end consumers, APSLDC/APDISCOMs have scheduled power from these four CGS plants treating this power as the most viable one when compared to prices in Power Markets in the Current Financial Year. As such APDISCOMs requested the Commission to approve the procurement of power from these four CGSs for the current and the ensuing financial years. The DISCOMs further requested the Commission to ratify the action of dispatching the four Plants in the Current Financial Year.

That although the availability from Godavari Gas Power Plant (216 MW) is shown for FY 2023-24, no dispatch is proposed by the DISCOMs. Even though there is no PPA for this plant, the DISCOMs have shown payment of fixed charges for FY 2023-24 which should not be permitted.

DISCOMS' Response: GGPP has been bought out by APDISCOMS. The plant is being run by employees deputed from APGENCO. Due to the prevailing gas price at a rate of $8.57/MMBTU, the plant is not operative since the VC is prohibitive. To keep the plant, machinery, equipment, and other assets and premises intact, expenditure is to be incurred for engaging the employees, to meet the O&M & R&M expenses. All these expenses proposed to be incurred by APDISCOMs are being claimed as Fixed Costs. As and when natural gas becomes available at economical prices, the plant will become operational.

That the DISCOMs have shown a 5% escalation to the actual weighted average variable cost rates during the 2021-22 period of CGS stations for the year 2023-24. This is despite the fact that the Commission rejected such proposals of the DISCOMs earlier. Moreover, when the Commission has already permitted the DISCOMs to charge a maximum of Rs.0.50 per unit per month, without its prior approval under FPPCA regulation, the proposal of the DISCOMs for adding 5% to the variable costs of CGSs is doubly impermissible.

DISCOMS' Response: Usually, APDISCOMs are considering the weighted average variable cost rates of the first half of the current financial year for projecting the variable cost for the succeeding financial year's ARR. Because of special circumstances in FY 2022-23 such as the mandatory blending of imported coal with domestic coal as per the MoP directions, the variable costs are very high and the same are receding now. Hence, APDISCOMs have considered the weighted average variable cost of FY 2021-22 as the basis in the interest of the consumers with a 5% escalation

which is reasonable in view of the likely increase in coal prices, and transportation costs.

That to direct the DISCOMs forthwith not to pay fixed costs as per the directions of the GOAP to the tune of Rs.1200 Cr. sought by HNPCL for the period from 21st August 2020 to 2nd February 2022 against the interim tariff (Rs.3.82 per unit) determined by the Commission in the past. Otherwise, if the DISCOMs pay the said fixed charges, and later come before the Commission with true-up claims under FPPCA, even if the Commission disallows such claims, by then irreparable damage would be done and enormous public money would go down the drain due to what is considered politico-bureaucratic-corporate nexus.

DISCOMs' Response: No decision has been taken in this regard and the issue is under examination by GoAP.

That the way in which PPAs have been entered into to purchase a substantial part of solar power is also questionable. Backing down high-cost thermal power plants is extremely problematic, and imposes a heavy burden. By Backing down RTPP units, if they are not allowed to declare the availability of scheduled capacity, or allowed to declare lower availability, APGENCO will be in the doldrums, losing fixed charges, though the burden of payment of fixed charges for deemed generation on the consumers is avoided. By setting up such unviable plants with extremely inflated capital costs, and higher variable costs (transportation costs taking the lion's share), entering into PPAs with them, and getting regulatory consent, abnormal burdens are being imposed on the consumers.

DISCOMs' Response: The objector calculated the per unit fixed charges based on dispatched energy, whereas the fixed cost depends on available declaration only and not on dispatch. The amount of total burden estimated by the objector on purchasing Must Run Solar/Wind power is hypothetical and illusary. The per unit fixed charges calculated on a dispatch basis include the cost of backing down as well. That all RE/NCE PPAs under which APDISCOMs are presently procuring power have been consented to by the Commission, and the fixed costs paid to all thermal plants are at a reasonable level.

That it is reported that the State Investment Promotion Board has cleared (December 12, 2022) pumped storage projects in Andhra Pradesh proposed by Adani Green Energy with a total capacity of 1600 MW, and pumped hydro storage projects with a combined capacity of 2100 MW by Shirdi Sai Electricals Limited. This is even without following the mandatory process of competitive bidding. These are a part of 29 pumped storage hydropower projects with a combined capacity of 33,240 MW the GoAP proposed earlier to be set up in the State. Irrespective of cost considerations, it would add further to the availability of surplus power.

DISCOMs' Response: In the power system parlance, surplus estimated based on normative availability of Generating Stations and Grid demand in energy terms on monthly basis cannot be relied on to meet the additional load growth. Grid Demand and production from Generating plants / Supply have to be matched on a real-time basis second to second. Even if we consider a Time Block of 15 minutes duration as the basis for reckoning the Load-Generation balance, the surplus available during low-demand season/ time periods is of no use and it would become idle. There would be no adverse consequences of surplus power as contended by the Ld. Objector. The DISCOMs estimate that even after the 7000 MW solar power supply commences in a phased manner, there would be an additional capacity requirement in the 5th Control period (FY 2024-29).

That the abnormal availability of projected surplus power to the tune of 12469.25 MU for FY 2023-24 confirms that the load forecast approved by the Commission and estimates in the survey of the CEA has turned out to be unrealistic and inflated. While considering the need for additional power and entering into PPAs and giving consents to the same, mechanical reliance on the load forecast approved and the estimate in the survey of the CEA leads to unwarranted consequences with resultant problems, both technical and financial. Experience underlines the need for a periodical review of load forecasts and procurement plans based on experience and the existing ground reality, before considering and approving additional power procurement through long-term PPAs. The latest order dated 1.6.2022 in OP No.17 of 2022 issued by the Commission, permitting the DISCOMs to procure 625 MW from Sembcorp Energy India Limited for a period of 12 years from 13.12.2023 or completion of transmission line whichever is earlier, indicates that no review of the approved load forecast and the ground reality of availability of generation capacity under PPAs in force and likely addition from plants to be considered, leave aside ensuring ideal power mix to be in tune with fluctuating demand curve to the extent practicable, seems to have been made.

That after limits for backing down thermal power stations are exhausted, if surplus power is still available, the Commission may direct the DISCOMs to back down NCE/RE units starting with units having the highest tariff in the descending order. That for working out revenue requirements and revenue gap of the DISCOMs, fixed costs that need to be paid for backing down thermal power on account of Must run NCE plants, as per applicable PLF/CUF of the plants concerned under PPAs in force, should also be taken into account by the Commission.

That regarding power procurement proposed from SDSTPS stage II (800MW), and VTPS V (800 MW), the DISCOMS have sought and got the permission of the Commission for entering into PPAs with these two stations. If that is the case, it

implies that the Commission has considered that power from these two stations is required by the DISCOMs from the year 2023-24 onwards.

That if the allocation of NCE/RE also is made to all the DISCOMs proportionately in tune with their demand, as was the case earlier, the problem of D-D transactions and the fixation of price for the same would not arise.

That regarding a tripartite agreement for purchasing 7000 MW of solar power by the DISCOMS, the Commission has not responded to the detailed points raised on the issue, running into about 16 pages, and not even a single point raised by us has figured in the observations of the Commission and the RSTO for FY 2022-23.

100. The objections, views, and suggestions of **FAPCCI & Others,** and the responses of the DISCOMS on the same are hereunder:

That the DISCOMS have considered variable cost as approved in the Retail Supply Tariff Order for FY 2022-23, which is 115% of the base variable to cover up the increase in fuel cost. However, it is pointed out that the last coal price hike by Coal India Ltd. was in 2018. Due to considering the arbitrary escalation in Variable charges of PP cost, there is a potential disallowance of Rs. 305.17 Crores in variable charges.

DISCOMS' Response: The actual variable costs as claimed by APGENCO thermal stations during the first half of the current financial year are exceeding the base variable rate (as approved by APERC) by 20-30% plant-wise/stage-wise. However, the variable Cost of APGENCO stations for the ensuing FY23-24 are projected as per the rates approved in Retail Supply Tariff Order for FY 2022-23 only. The same is in line with the orders of the Commission in APGENCO MYT order for FY 2019-24. The VC in respect of RTPP-4 was projected as per the RTPP-4 MYT order for FY 2019-24. The VC in respect of Dr.NTTPS-V was projected as per the projections of APGENCO. APGENCO has coal linkages not only from Coal India but also from Singareni. Since APGenco Stations are not pithead stations, Coal has to be transported over long distances. Overall increase in VC is due to variation in coal cost, and freight and handling charges. The assessment of the objector for disallowance of variable cost of APGenco stations is not valid in view of the above-stated reasons.

That the DISCOMS have relied on the APGenco Tariff Order for the 4th Control period FY 2019-24 for determining the fixed costs for the APGENCO stations and the Tariff Order dated 31.12.2020 pertaining to O.P. No. 33 of 2019 for RTPP-IV. Since no true-up has been conducted for APGENCO stations, DISCOMS cannot claim full fixed cost recovery up to the normative level as approved by the Commission. In the absence of this information, in proportion to the actual numbers, as provided in the instant

Petition for FY 2021-22, the DISCOMS have claimed an excess of Rs. 123.72 crores for fixed cost in respect of APGENCO Hydro plants.

DISCOMS' Response: APDISCOMs have projected fixed costs with respect to APGENCO (Thermal & Hydel) stations for FY 2023-24 as approved in the APGENCO MYT order for FY 2019-24. However, the same will be admitted by APDISCOMs based on the target availability achieved by respective stations during the FY 2023-24. If the target availability is not achieved during FY 2023-24, the FC will be admitted on a pro-rata basis and the same will be filed subsequently under FPPCA. The assessment of the objector for disallowance of the fixed cost of APGenco stations is not valid in view of the above-stated reasons.

That the DISCOMS have not complied with the Commission's directions in payment of fixed costs corresponding to actual normal availability for the AP hydro Stations.

DISCOMS' Response: Fixed Charges are paid in strict compliance with the normative availability conditions as per the certification by APSLDC. Fixed Charges are proportionately reduced if the Generator fails to achieve the required Plant Availability Factor. The provisional percentage of cumulative availability/ Capacity Index of APGENCO, APPDCL Thermal stations, and APGENCO Hydel stations and the percentage cumulative availability of CGS as declared by SRPC are placed on Discoms' website in compliance with the directions. Hence the contention of the objector that the petitioner has not complied with the above directive is incorrect.

That Discoms do not have any right to procure power from the four specified Power Stations viz NTPC Kudgi, NTECL Vallur, NTPL, and NNTPS for the Financial Year FY 2022-23 and include such power procurement in true-up filings without the Commission's approval. Even the APTEL Judgement in this regard is pending.

DISCOMS' Response: Reply given to one of the objectors on a similar subject as stated supra is applicable.

101. AP Chambers Federation has stated that Discoms purchase 42% of power purchase from APGENCO, paying the cost almost 49% of the total purchase cost. The average power purchase cost from APGENCO stations is high. The Commission may stipulate fresh performance norms to the APGenco stations as per CERC guidelines which is quite helpful to reduce the average power purchase cost from APGENCO and the financial burden to the Discoms.

102. The objections, views, and suggestions of **Sri K.Prabhakar Reddy & Others,** and the responses of the DISCOMS on the same are mentioned hereunder:

That power procurement for FY 2023-24 is expected to be 6.57 % over FY 2022-23 whereas the corresponding increase in fixed cost percentage is 41.32% and this is unreasonable.

DISCOMS' Response: Even though the increase in energy requirement is 6.57%, the increase in power purchase cost is due to the commercial operation of Sri SDSTPS Stage-II 800 MWs, VTPS Stage-V 800 MWs, and Sembcorp Krishnapatnam 625MWs. The average power purchase cost for FY 22-23 is Rs.4.75 per unit, whereas the estimated power purchase cost for the FY 23-24 is Rs.4.62 per unit.

That severe problems are continuing due to power purchases from non-conventional energy sources. The DISCOMS are violating the directions of the Commission on ceiling price fixed for market purchases.

DISCOMS' Response: Discoms are procuring short-term power from exchanges as per the relevant regulations issued by the APERC due to unavoidable circumstances in order to provide 24X7 uninterrupted supply to consumers.

That the DISCOMS should procure power from the State Gencos and CGS stations including four stations Kudigi, Vallur, and Neyveli that were not permitted in FY 2022-23, and the Commission may approve the same.

DISCOMS' Response: DISCOMS welcomes the suggestion of the objector and has already requested the Commission in this matter.

That the DISCOMS' showing 16% surplus energy at 12,469 MU is burdensome and requested to determine the surplus energy at 5% only. Hence, the proposal to procure solar power through SECI may be dropped in view of the surplus energy projected for FY 2023-24.

DISCOMS' Response: The procurement of 7000 MW/17000 MUs power from the SECI project will commence from FY 2024-25 and will complete by FY 2026-27. The unit rate of the project is Rs.2.49. As per the PPA, there will not be any accounting of inter-state transmission losses. As compared with the existing PP average rate of Rs.4.75, the PPA rate of said projects is cheaper by Rs.2.26 per unit.

That the APERC did not consider the claim of HNPCL towards fixed charges for the past period in its order dated 01-08-2022. HNPCL claimed Rs.1200 crores against the same. The State government's advice to the DISCOMS to clear the claim when the appeal is pending before the Commission is nothing but interfering in APERC's purview'(sic). Hence, the Commission may not allow HNPCL's claim of Rs.1200 Cr towards fixed charges for the past period which is against the consumer interest.

DISCOMS' Response: The decision regarding balance payments to the Hinduja project has not been taken and the issue is under the Purview of GoAP.

103. **HNPCL** has stated that HNPCL should be allowed to adopt the claim for variable cost (VC) under clause 13.1 of APERC regulation 1 of 2008 on the basis of the weighted average price and GCV of the last three months. HNPCL has been submitting all the

invoices for VC to DISCOMS in the monthly billing and submitting FCA claims on the basis of actual invoices w.e.f. 01.08.2022. However, APDISCOMS have considered VC as Rs.2.81 per unit on the basis of an indicative value of Rs.2.44 per unit with a 15 % added variation in ARR filings for FY 2023-24 whereas the actual VC would be in the range of Rs.3.22 per unit as per the current prices and GCV of coal received from MCL. Not providing the correct power purchase cost (VC) in ARR H2 FY 2022-23 and FY 2023-24 would lead to a deficit in revenue by APDISCOMS, leading to a financial crunch affecting the ability to pay for bills raised for power purchases.

DISCOMS' Response: As per the order of APERC in O.P.NO.21 of 2015 & O.P.No.19 of 2016 dated 01.08.2022, the FCA (Fuel Cost Adjustment) bills shall be limited to +15% of the approved base value. Variation over and above 15% of the approved base value is subject to scrutiny and approval by the Commission. As per the above, AP DISCOMs have considered Rs 2.806/Unit as the proposed VC for the ensuing financial year 2023-24 in respect of HNPCL. The base variable cost is considered as Rs.2.44. Since variation over & above Rs 2.806 per unit is subjected to scrutiny and approval by the Commission, HNPCL may obtain the necessary approval from the APERC.

104. The objections, views, and suggestions of **Sri Y.Kondaiah,** and the responses of the DISCOMS on the same are stated hereunder:

That AP has thermal, Hydel, and a share from CGS & Nuclear power plants. The power is also available from Solar, Biomass, Mini-hydel, and Wind power plants totaling a generation of 32404 MW. There are no proper estimations for exact power availability. There is a need to review market power purchases and old long-term solar power PPAs as the solar unit cost has fallen drastically over the last few years. That ARR would be reduced drastically if the above aspects are taken into consideration.

DISCOMS' Response: The availability of various generation plants is mentioned in the petition. The orders for renegotiation of tariffs in power purchase agreements were challenged by various developers before the Hon'ble High court of AP and the Hon'ble High Court ordered that payments are to be made as per PPA rates.

That the market purchases and fuel costs need to be scrutinised with due diligence, as laxity on such subjects may encourage corrupt practices. The burden of Rs.13,527Crs is being levied on consumers.

DISCOMS' Response: In order to provide an uninterrupted and continuous supply of power (for agriculture 9 hours supply) to consumers, DISCOMS are procuring the power from the markets as per the relevant regulations given by the Commission. The view of the objector that the burden of Rs 13527 Crs is being levied is incorrect.

105. **AP Chambers Federation** has stated that fresh performance norms to the AP Genco stations shall be specified as per CERC regulations to reduce the Average power

purchase cost, since power purchase from Genco is 42 percent of total purchases, and 49 percent of the total power purchase cost.

106. **APSEB AEEs' Association** has stated that in view of steady demand growth, NTTPS (Stage-V) of 800 MW and APPDCL - SDSTPS (Stage-II) of 800 MW are very much necessary to supply 24x7 uninterrupted power supply to the consumers. If these two units get delayed beyond the proposed COD in April 2023, DISCOMs have either to rely on the market to bridge the gap or shall go for load relief. This will be neither profitable to the State exchequer nor to the consumers. For the Financial year 2022-23 to meet the energy requirement, APDISCOMs have procured 3407.24MU from Market & other sources with Rs3147.33 Crs (i.e Rs.9.24/kWh). This high-cost power from the markets has an impact of Rs 0.25 per kWh increase on the weighted average power procurement cost. Therefore, to direct the APGENCO management to complete the projects at the earliest to safeguard the AP Power Utilities and consumer interest.

107. **Sri Kakarla Guruswamy** has stated that DISCOMS are not making public the generation, demand, and power purchase price at which they are purchasing from the different sources, and the purchases from the market are indiscriminate. Because of the delay in the completion of VTPS V and SDSTPP stage II, there is an increase in capital cost.

APSPDCL's Response: After exhaustion of declared availability from all committed sources, if there is any shortfall to meet the Grid demand, the DISCOMs are resorting to short-term purchases in accordance with Regulation 1 of 2022 issued by the APERC. Short-term purchases are necessary to meet the 24X7 uninterrupted power supply commitment to the consumers. The claim of the Ld Objector that short-term purchases are made indiscriminately and the costs are loaded to the consumers by the DISCOMs, is strongly objected to. Short-term purchases are made duly following the procedures and at the most possible competitive rates prevailing at that point of time. With regards to the delay in completion of VTPS V and SDSTPP stage II, MoEF & CC revised emission norms by Gazette Notification dt.07.12.2015 have necessitated changes in the boiler design, and the same resulted in initial delay on the projects. Also, the complete lockdown in March 2020 and subsequent partial lockdown of 2nd & the 3rd waves due to the pandemic Covid-19 severely hampered the progress of works which caused delays in the progress of projects.

108. The objections, views, and suggestions of **India Energy Exchange (IEX),** and the responses of the DISCOMS on the same are hereunder:

That as against the earlier practice, new CERC regulations provide complete flexibility in so far as the fulfilment of RPO and issuance of REC are concerned.

DISCOMS' Response: Suggestion is noted.

That DISCOMS may be allowed to take advantage of the flexibility of the RE market in power exchanges for the sale of RE power beyond the RPO target.

DISCOMS' Response: DISCOMs are selling excess RE power in the market as per prevailing market conditions.

109. **Sri Gurajala Malyadri, has stated t**hat as per the information obtained under the RTA, the DISCOMS have made market purchases during FY 2019-22 for about Rs12000 Cr @ an average rate of Rs.8.77 per unit, while the DISCOMS' average power purchase cost is at Rs 4.75 per unit. The difference in power purchase cost per unit is Rs. 4.02 which worked out to an excess power purchase cost of Rs.6000 Cr incurred for market purchases. That the power purchase cost should not exceed the ceiling price fixed by the Commission for market purchases. There should not be a back down of the APGENCO thermal stations. In the above context, he questioned the refusal of the Commission to include 504 MW of power from 4 CGS viz NTPC Kudgi, NTECL Valluru, NTPL(TN), and NNTS whose average power purchase cost is at Rs.5.77 per unit which is lower, when compared to the market purchase price of Rs.8.77 per unit.

That the SDSSTS stage II 800 MW and NTTPS stage V 800 W thermal plants are not commissioned as per the schedule. Had these plants been commissioned as per the schedule and backing down of APGENCO stations were avoided, the DISCOMS would have avoided an excess expenditure of Rs.6000 Cr. for market purchases.

That PSA for a period of 30 years with SECI for purchasing 7000 MW or 17,000 MU of solar power at a power purchase cost of Rs.2.49 per unit has been entered by the DISCOMS. It will be around Rs 3.50 per unit including wheeling charges of Rs.1.00 per unit to receive the power to AP from the solar plant located in Rajasthan. This price at which the DISCOMS proposes to procure solar power is higher compared to Rs.1.99 per unit procured by DISCOMS in Gujarath from the tenders called by SECI in November/December 2020. It is expected by experts in the power sector that solar energy may be available for a unit price of Rs.1.26 by 2024. There was a hurry in entering agreements and will be an additional burden of Rs 21,250 Cr for 30 years because of the said agreements.

That APGENCO submitted DPR to CEA for a 1350 MW (9*150) capacity Pumped storage Hydel power plant at Upper Sileru. It also appeared that twenty-nine pumped storage hydel projects with a combined capacity of 33,000 MW have been planned to be set up in tribal areas. The Tribal people are fearing about these projects and making agitations against the same. Without getting the consent of gram sabhas of Tribal people, APERC should not give permission to set up 29 pumped storage Hydel plants.

Commission's view, analysis, and decision

110. The Commission has carefully examined the above objections/views/suggestions of the stakeholders, and the responses of the DISCOMS on the same. As some of the objections were received during the public hearings or after the due date specified , the DISCOMS' responses to some of the specific contentions of the stakeholders have not been received by the Commission. The Commission would express its view on the specific points raised by the stakeholders wherever necessary at relevant places while finalizing the energy availability, despatch, and power purchase costs in the paragraphs infra.

The Commission after careful examination of the filings, observed that the DISCOMS have not shown any purchases from the market showing huge surplus availability of energy over the requirement, and also a huge quantity of energy transfer among them due to NCE allocation on a geographical basis. Further, the GoAP has issued GO.Rt.No.146 dated 02.12.2022 revising the NCE allocation ratios among the DISCOMS similar to the conventional power plants as opined by one of the objectors on this subject after the filings have been made by the DISCOMS. Therefore, the Commission by its letter dated 03.01.2023 directed the DISCOMS to furnish the revised energy availability, despatch, and the consequential power procurement cost duly assessing the demand and availability of supply for morning peak, Day, evening peak, night and accordingly for round the clock each month wise for FY 2023-24 to realistically arrive at the market purchases requirement even though surplus energy was shown during each month for the State as per the filings, and considering the orders issued by Government on NCE allocation. Accordingly, the DISCOMS have submitted hourly demands furnished by SLDC for FY 2023-24, and availability of energy, despatch, and power purchase costs reflecting the NCE allocation revised ratios by their letter dated 01.02.2023, but without showing any market purchases. On the energy surplus shown by the DISCOMS, one of the stakeholders stressed the need for realistic projections. unrealistic projections would be leading to wrong decisions on future power procurement of power. But, it needs to be kept in mind that the demand variations depend upon a number of factors relating to nature that can not be estimated and foreseen in situations like Covid 19, climatic fluctuations, unprecedented rains, and heat waves that triggered huge demand recently in the north India, etc. The Commission, cannot ignore the estimations of an expert statutory body viz; CEA that publishes projections on energy demand and availability reports under specific regulations/policies/provisions of the Electricity Act, 2003, for each state and the whole country based on extensive study to take care of the energy security and future planning of power system. The Commission accordingly, in addition to its own estimates, also considers CEA projections for correlation while arriving at any decision on energy availability. As can be seen from the last 5 years,

the variations in the projections of the Commission and actual energy requirement are minimal. But, the source-wise availabilities are varying, particularly the energy availability from APGENCO, and APPDCL due to a shortage of coal as these are not pit head stations, and the coal has to come from long distances. Keeping all these factors in view, coupled with the fact that DISCOMS made heavy market purchases to meet exigencies during the past two years, it was felt that projections on energy availability, despatch, and power purchase costs based on the normative basis submitted by the DISCOMS by letter dated 01.02.2023, did not reflect the ground reality. Hence, by letter dated 09.02.2023, the Commission again directed the DISCOMS to submit the revised energy availability, despatch, and power purchase costs in accordance with the directions of the Commission assessing the demand, and availability of supply for morning peak, Day, evening peak, night, and accordingly for round the clock each month wise for FY 2023-24 to have a realistic assessment on energy shortages particularly. In the meantime, the DISCOMS by letter dated 17.02.2023 have approached the Commission for approval of short-term procurement of power for March 23 and April 23 on the round-the-clock (RTC) basis as if fortifying the Commission's opinion. The Commission, after careful examination of its assessment in the RST order for FY 2022-23 and the latest demand and supply of power furnished by SLDC, approved the proposal for March 23 and rejected the proposal for April 23 contradicting their own initial, and latest projections in ARR for FY 2023-24 submitted by letter dated 21.02.2023. The DISCOMS by their letter dated 23.02.2023 re-approached the Commission for approval of the short-term power procurement for April 2023 bringing new facts to the Commission’s notice, such as the delay in commissioning of Dr.NTTPS (800 MW) and SDSTPS stage II (800 MW) whose energy availability was estimated from April 2023 in their initial and latest filings. The Commission after taking into account the new facts and also the demand and supply position furnished by SLDC, the MoP alert to states on the possible shortage of coal and expected huge demand for energy in the ensuing summer, and the prevailing price per unit in exchanges, approved the short-term power proposal for April 2023 (Annexure-15). All these facts reflect reality whereas projections by the DISCOMS are otherwise. Finally, the DISCOMS have submitted revised energy availability, despatch, and power purchase costs based on the revised commissioning schedule of the new plants-Dr.NTTPS and SDSTPS stage II, and considering the energy requirement and availability ToD wise for each month, by their letter dated 02.03.2023. As opined by some of the stakeholders, any delay in the commissioning of these projects would alter the power supply scenario drastically during FY 2023-24 and have adverse financial implications on the DISCOMS. Hence, there is a necessity to commission the projects at least as per the revised schedule to reduce dependence on the market and to have energy security for the State. (The SDSTPS has declared

Commercial operation date on 09.03.2023 and Dr.NTTPS stage V is to be commissioned yet.) **Accordingly, APGENCO and DISCOMS shall work in cohesion to commission Dr.NTTPS stage V as per schedule and run the existing plants at full capacity**. Keeping the above factors in view, the Commission proposes to examine the revised proposals of the DISCOMS on the energy availability, despatch, and power purchase costs ignoring the initial filings on the same. As per the revised filings, the energy availability, energy despatch, and power purchase costs shown by the DISCOMS, and the difference between initial and revised filings are shown in the tables below:

(A) Revised Energy availability:

Table 28 : DISCOMs' projected Revised Energy Availability (MU) for FY 2023-24

Sl. No.	Source	DISCOMS TOTAL CAPACITY (MW)	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	APGENCO-Thermal	3410	9340.6	5390.92	8365.86	23097.4
2	APGENCO-New Thermal Dr.NTTPS V	800	1318.71	761.09	1181.1	3260.9
3	APGENCO- Hydel	1656	1119.91	646.36	1003.05	2769.32
4	Interstate- Hydel	141.6	170.24	98.25	152.47	420.96
5	**APGENCO-TOTAL**	**6007.6**	**11949.43**	**6896.62**	**10702.48**	**29548.5**
6	CG Stations	1980.51	6040.64	3486.36	5410.29	14937.29
7	NCE/RE plants	7722.09	5736.18	3310.64	5137.6	14184.42
8	APPDCL Stage-I	1440	3188.5	1840.25	2855.77	7884.52
9	APPDCL Stage-II	800	1862.7	1075.06	1668.33	4606.09
10	Godavari Gas Power Plant	216	219.98	126.96	197.02	543.96
11	Thermal Powertech Corporation	230.55	777.28	448.61	696.17	1922.06
12	SEIL	625	1998.14	1153.23	1789.63	4941
13	HNPCL	1040	2951.6	1703.52	2643.6	7298.72
14	**TOTAL**	**20061.75**	**34724.45**	**20041.25**	**31100.89**	**85866.59**

Table 29 : Difference of Revised & Original Filings - Energy Availability (MU) for FY 2023-24

Sl. No.	Source	DISCOMS TOTAL CAPACITY (MW)	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	APGENCO-Thermal	0	0	0	0	0
2	APGENCO-New Thermal Dr.NTTPS V	0	-951.71	-549.29	-852.40	-2353.4
3	APGENCO- Hydel	0	0	0	0	0
4	Interstate- Hydel	0	0.01	0	0	0.01
5	**APGENCO-TOTAL**	0	-951.71	-549.29	-852.40	-2353.4
6	CG Stations	0	0	0	0	0
7	NCE/RE plants	0	-8138.35	3146	4992.35	0
8	APPDCL Stage-I	0	0	0	0	0
9	APPDCL Stage-II	0	-413.94	-238.9	-370.73	-1023.57
10	Godavari Gas Power Plant	0	0	0	0	0
11	Thermal Powertech Corporation	0	0	0	0	0
12	SEIL	0	0	0	0	0
13	HNPCL	0	0	0	0	0
14	**TOTAL**	0	-9504.01	2357.81	3769.22	-3376.98

(B) Revised Energy Despatch:

Table 30: DISCOMs' projected Revised Energy Despatch (MU) for FY 2023-24

Sl. No.	Source	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	APGENCO-Thermal	6359.47	3670.38	5695.85	15725.70
2	APGENCO-New Thermal Dr.NTTPS V	1318.71	761.09	1181.1	3260.9
3	APGENCO- Hydel	1119.91	646.36	1003.05	2769.32
4	Interstate- Hydel	170.23	98.25	152.47	420.95
5	**APGENCO-TOTAL**	**8968.32**	**5176.08**	**8032.47**	22176.87
6	CG Stations	5370.14	3099.38	4809.75	13279.27
7	NCE/RE plants	5736.18	3310.64	5137.60	14184.42
8	APPDCL Stage-I	3188.5	1840.25	2855.77	7884.52
9	APPDCL Stage- II (New)	1862.71	1075.06	1668.33	4606.10
10	Godavari Gas Power Plant	18.02	10.4	16.14	44.56
11	Thermal Powertech Corporation	777.28	448.61	696.17	1922.06
12	SEIL	1998.14	1153.23	1789.63	4941
13	HNPCL	2951.6	1703.52	2643.6	7298.72
14	Short term purchases	176.64	101.95	158.21	436.8

Sl. No.	Source	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
15	**D<>D Purchase**	**76.07**	**60.23**	**2180.33**	**2316.63**
	Purchase from CPDCL	76.07	0	676	752.07
	Purchase from SPDCL	0.00	60.23	1504.33	1564.56
16	**D<>D Sale**	**-1564.56**	**-752.07**	**0.00**	**-2316.63**
	Sale to CPDCL	-60.23	0	0.00	-60.23
	Sale to EPDCL	-1504.33	-676	0.00	-2180.33
	Sale to SPDCL	0.00	-76.07	0.00	-76.07
17	**TOTAL**	**29559.04**	**17227.28**	**29987.99**	**76774.32**

Table 31 : Difference of Revised & Original Filings - Energy Despatch (MU) for FY 2023-24

Sl. No.	Source	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	APGENCO-Thermal	994.58	574.03	890.80	2459.42
2	APGENCO-New Thermal Dr.NTTPS V	-951.71	-549.29	-852.40	-2353.40
3	APGENCO- Hydel	0.00	0.00	0.00	0.00
4	Interstate- Hydel	0.00	0.00	0.00	0.00
5	**APGENCO-TOTAL**	42.87	24.74	38.40	106.01
6	CG Stations	176.40	101.81	157.99	436.20
7	NCE/RE plants	-8138.36	3146.00	4992.35	0.00
8	APPDCL Stage-I	0.00	0.00	0.00	0.00
9	APPDCL Stage- II (New)	-413.93	-238.90	-370.74	-1023.57
10	Godavari Gas Power Plant	18.02	10.40	16.14	44.56
11	Thermal Powertech Corporation	0.00	0.00	0.00	0.00
12	SEIL	0.00	0.00	0.00	0.00
13	HNPCL	0.00	0.00	0.00	0.00
14	Short term purchases	176.64	101.95	158.21	436.80
15	**D<>D Purchase**	76.07	-2393.92	-4992.36	-7310.22
	Purchase from CPDCL	76.07	0.00	676.00	752.07
	Purchase from SPDCL	0.00	-2393.92	-5668.36	-8062.28
16	**D<>D Sale**	8062.28	-752.07	0.00	7310.21
	Sale to CPDCL	2393.92	0.00	0.00	2393.92
	Sale to EPDCL	5668.36	-676.00	0.00	4992.36
	Sale to SPDCL	0.00	-76.07	0.00	-76.07
17	**TOTAL**	0.00	0.00	0.00	0.00

(C) Revised power purchase costs:

Table 32 : Three DISCOMs' total Revised Power Purchase Cost for FY2023-24

Sl. No.	Source	DISCOMs	Cost (Rs. Crs.)				Unit Cost (Rs. / kWh)			
			Fixed	Variable	Others	Total	Fixed	Variable	Others	Total
1	APGENCO-Thermal	15725.70	2474.49	5365.70	0.00	7840.19	1.57	3.41	0.00	4.99
2	APGENCO-New Thermal Dr.NTTPS V	3260.90	912.56	1004.36	0.00	1916.92	2.80	3.08	0.00	5.88
3	APGENCO-Hydel	2769.32	575.13	0.00	0.00	575.13	2.08	0.00	0.00	2.08
4	Interstate-Hydel	420.96	67.86	0.00	0.00	67.86	1.61	0.00	0.00	1.61
5	**APGENCO-TOTAL**	**22176.88**	**4030.04**	**6370.06**	**0.00**	**10400.10**	1.82	2.87	0.00	4.69
6	CG Stations	13279.27	1476.56	3931.95	97.77	5506.27	1.11	2.96	0.07	4.15
7	NCE/RE plants	14184.41	10.64	6407.43	0.00	6418.07	0.01	4.52	0.00	4.52
8	APPDCL Stage-I	7884.52	1228.88	2475.74	0.00	3704.62	1.56	3.14	0.00	4.70
9	APPDCL Stage- II (New)	4606.09	1294.17	1446.31	0.00	2740.48	2.81	3.14	0.00	5.95
10	Godavari Gas Power Plant	44.56	27.13	26.23	0.00	53.36	6.09	5.89	0.00	11.97
11	Thermal Powertech Corporation	1922.06	269.46	478.24	5.02	752.72	1.40	2.49	0.03	3.92
12	SEIL	4941.00	825.15	1072.20	0.00	1897.35	1.67	2.17	0.00	3.84
13	HNPCL	7298.72	1042.99	2050.94	0.00	3093.93	1.43	2.81	0.00	4.24
14	Short term purchases	436.80	0.00	196.57	0.00	196.57	0.00	4.50	0.00	4.50
15	**D<>D Purchase**	**2316.63**	**0.00**	**1049.01**	0.00	1049.01	0.00	4.53	0.00	4.53
	Purchase from CPDCL	752.07	0.00	340.54	0.00	340.54	0.00	4.53	0.00	4.53
	Purchase from SPDCL	1564.56	0.00	708.47	0.00	708.47	0.00	4.53	0.00	4.53
16	**D<>D Sale**	**-2316.63**	**0.00**	**-1048.97**	**0.00**	-1048.97	0.00	4.53	0.00	4.53
	Sale to CPDCL	-60.23	0.00	-27.27	0.00	-27.27	0.00	4.53	0.00	4.53
	Sale to EPDCL	-2180.33	0.00	-987.25	0.00	-987.25	0.00	4.53	0.00	4.53
	Sale to SPDCL	-76.07	0.00	-34.44	0.00	-34.44	0.00	4.53	0.00	4.53
17	TOTAL	76774.31	10205.02	24455.69	102.78	34763.50	1.33	3.19	0.01	4.53

Table 33 : Difference of Revised & Original Filings of DISCOMs' - Power Purchase Cost for FY 2023-24 for three DISCOMS put together

Sl. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)				Unit Cost (Rs. / kWh)			
			Fixed	Variable	Others	Total	Fixed	Variable	Others	Total
1	AP Genco-Thermal	2459.41	0.00	877.34	0.00	877.34	-0.29	0.03	0.00	-0.26
2	APGENCO-New Thermal Dr.NTTPS V	-2353.40	-651.84	-724.85	0.00	-1376.69	0.01	0.00	0.00	0.01
3	APGenco-Hydel	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
4	Interstate-Hydel	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	**APGENCO-TOTAL**	106.02	-651.84	152.49	0.00	-499.34	-0.30	0.06	0.00	-0.25
6	CG Stations	436.20	-0.01	158.99	0.00	158.97	-0.04	0.02	0.00	-0.02
7	NCE	-0.01	-0.02	-0.02	0.00	-0.04	0.00	0.00	0.00	0.00
8	APPDCL Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	APPDCL Stage-II	-1023.57	-258.83	-321.41	0.00	-580.24	0.05	0.00	0.00	0.05
10	Godavari Gas Power Plant	44.56	0.00	26.23	0.00	26.23	6.09	5.89	0.00	11.97
11	Thermal Powertech Corporation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	SEIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Hinduja National Power Corporation Limited (HNPL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Short term purchases	436.80	0.00	196.57	0.00	196.57	0.00	4.50	0.00	4.50
15	D<>D-Purchase	-7310.22	0.00	-3365.81	0.00	-3365.81	0.00	4.53	0.00	-0.06
16	**D<>D-Sale**	7310.21	0.00	3365.85	0.00	3365.85	0.00	4.53	0.00	-0.06
17	**TOTAL**	0.00	-910.69	212.91	-0.01	-697.79	-0.12	0.03	0.00	-0.09

Table 34: APSPDCL Revised Power Purchase Cost for FY 2023-24

Sl. No.	Source	SPDCL	Cost (Rs. Crs.)				Unit Cost (Rs. / kWh)			
			Fixed	Variable	Others	Total	Fixed	Variable	Others	Total
1	APGENCO-Thermal	6359.47	1000.68	2169.89	0.00	3170.57	1.57	3.41	0.00	4.99
2	APGENCO-New Thermal Dr.NTTPS V	1318.71	369.04	406.16	0.00	775.2	2.80	3.08	0.00	5.88
3	APGENCO-Hydel	1119.91	232.58	0.00	0.00	232.58	2.08	0.00	0.00	2.08
4	Interstate-Hydel	170.24	27.44	**0.00**	0.00	27.44	1.61	0.00	0.00	1.61
5	**APGENCO - TOTAL**	**8968.33**	**1629.75**	**2576.05**	**0.00**	**4205.80**	1.82	2.87	0.00	4.69
6	CG Stations	5370.14	597.12	1590.08	39.54	2226.74	1.11	2.96	0.07	4.15
7	NCE/RE plants	5736.18	4.31	2591.17	0.00	2595.47	0.01	4.52	0.00	4.52
8	APPDCL Stage-I	3188.5	496.964	1001.19	0.00	1498.15	1.56	3.14	0.00	4.70
9	APPDCL Stage-II (New)	1862.7	523.36	584.89	0.00	1108.25	2.81	3.14	0.00	5.95
10	Godavari Gas Power Plant	18.02	10.97	10.61	0.00	21.58	6.09	5.89	0.00	11.98
11	Thermal Powertech Corporation	777.28	108.97	193.4	2.03	304.395	1.40	2.49	0.03	3.92
12	SEIL	1998.14	333.69	433.6	0.00	767.29	1.67	2.17	0.00	3.84
13	HNPCL	2951.6	421.79	829.40	0.00	1251.19	1.43	2.81	0.00	4.24
14	Short term purchases	176.64	0.00	79.49	0.00	79.49	0.00	4.50	0.00	4.50
15	**D<>D Purchase**	**76.07**	**0.00**	**34.44**	**0.00**	34.44	0.00	4.53	0.00	4.53
	Purchase from CPDCL	76.07	0.00	34.44	0.00	34.44	0.00	4.53	0.00	4.53
	Purchase from SPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	**D<>D Sale**	**-1564.56**	**0.00**	**-708.43**	**0.00**	-708.43	0.00	4.53	0.00	4.53
	Sale to CPDCL	-60.23	0.00	-27.27	0.00	-27.27	0.00	4.53	0.00	4.53
	Sale to EPDCL	-1504.33	0.00	-681.16	0.00	-681.16	0.00	4.53	0.00	4.53
	Sale to SPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	**TOTAL**	**29559.04**	**4126.92**	**9215.89**	**41.56**	**13384.37**	1.40	3.12	0.01	4.53

Table 35 : APCPDCL - Revised Power Purchase Cost for FY 2023-24

Sl. No.	Source	CPDCL	Cost (Rs. Crs.)				Unit Cost (Rs. / kWh)			
			Fixed	Variable	Others	Total	Fixed	Variable	Others	Total
1	APGENCO-Thermal	3670.38	577.55	1252.36	0.00	1829.91	1.57	3.41	0.00	4.99
2	APGENCO-New Thermal Dr.NTTPS V	761.09	212.99	234.42	0.00	447.405	2.80	3.08	0.00	5.88
3	APGENCO-Hydel	646.36	134.24	0.00	0.00	134.24	2.08	0.00	0.00	2.08
4	Interstate-Hydel	98.25	15.84	**0.00**	0.00	15.84	1.61	0.00	0.00	1.61
5	**APGENCO-TOTAL**	**5176.08**	**940.62**	**1486.77**	**0.00**	**2427.39**	1.82	2.87	0.00	4.69
6	CG Stations	3099.38	344.63	917.72	22.82	1285.17	1.11	2.96	0.07	4.15
7	NCE/RE plants	3310.64	2.48	1495.50	0.00	1497.98	0.01	4.52	0.00	4.52
8	APPDCL Stage-I	1840.25	286.82	577.84	0.00	864.66	1.56	3.14	0.00	4.70
9	APPDCL Stage- II (New)	1075.06	302.06	337.57	0.00	639.63	2.81	3.14	0.00	5.95
10	Godavari Gas Power Plant	10.4	6.33	6.12	0.00	12.45	6.09	5.88	0.00	11.97
11	Thermal Powertech Corporation	448.61	62.89	111.62	1.17	175.68	1.40	2.49	0.03	3.92
12	SEIL	1153.23	192.59	250.25	0.00	442.84	1.67	2.17	0.00	3.84
13	HNPCL	1703.52	243.43	478.69	0.00	722.12	1.43	2.81	0.00	4.24
14	Short term purchases	101.95	0.00	45.88	0.00	45.88	0.00	4.50	0.00	4.50
15	**D<>D Purchase**	**60.23**	**0.00**	**27.27**	0.00	27.27	0.00	4.53	0.00	4.53
	Purchase from CPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Purchase from SPDCL	60.23	0.00	27.27	0.00	27.27	0.00	4.53	0.00	4.53
16	**D<>D Sale**	**-752.07**	**0.00**	**-340.54**	**0.00**	-340.54	0.00	4.53	0.00	4.53
	Sale to CPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sale to EPDCL	-676.00	0.00	-306.09	0.00	-306.09	0.00	4.53	0.00	4.53
	Sale to SPDCL	-76.07	0.00	-34.44	0.00	-34.44	0.00	4.53	0.00	4.53
17	**TOTAL**	**17227.28**	**2381.85**	**5394.69**	**23.99**	**7800.53**	**1.38**	**3.13**	**0.01**	**4.53**

Table 36 : APEPDCL Revised Power Purchase Cost for FY 2023-24

Sl. No.	Source	EPDCL	Cost (Rs. Crs.)				Unit Cost (Rs. / kWh)			
			Fixed	Variable	Others	Total	Fixed	Variable	Others	Total
1	APGENCO-Thermal	5695.85	896.26	1943.46	0.00	2839.72	1.57	3.41	0.00	4.99
2	APGENCO-New Thermal Dr.NTTPS V	1181.1	330.53	363.78	0.00	694.31	2.80	3.08	0.00	5.88
3	APGENCO-Hydel	1003.05	208.31	0.00	0.00	208.31	2.08	0.00	0.00	2.08
4	Interstate-Hydel	152.47	24.58	**0.00**	0.00	24.58	1.61	0.00	0.00	1.61
5	**APGENCO-TOTAL**	**8032.47**	**1459.68**	**2307.24**	**0.00**	**3766.92**	**1.82**	**2.87**	**0.00**	**4.69**
6	CG Stations	4809.75	534.81	1424.15	35.41	1994.37	1.11	2.96	0.07	4.15
7	NCE/RE plants	5137.60	3.85	2320.77	0.00	2324.62	0.01	4.52	0.00	4.52
8	APPDCL Stage-I	2855.77	445.1	896.71	0.00	1341.81	1.56	3.14	0.00	4.70
9	APPDCL Stage- II (New)	1668.33	468.75	523.85	0.00	992.60	2.81	3.14	0.00	5.95
10	Godavari Gas Power Plant	16.14	9.83	9.50	0.00	19.33	6.09	5.89	0.00	11.98
11	Thermal Powertech Corporation	696.17	97.6	173.22	1.82	272.64	1.40	2.49	0.03	3.92
12	SEIL	1789.63	298.87	388.35	0.00	687.22	1.67	2.17	0.00	3.84
13	HNPCL	2643.6	377.77	742.85	0.00	1120.62	1.43	2.81	0.00	4.24
14	Short term purchases	158.21	0.00	71.2	0.00	71.20	0.00	4.50	0.00	4.50
15	**D<>D Purchase**	**2180.33**	**0.00**	**987.30**	0.00	987.30	0.00	4.53	0.00	4.53
	Purchase from CPDCL	676.00	0.00	306.10	0.00	306.10	0.00	4.53	0.00	4.53
	Purchase from SPDCL	1504.33	0.00	681.20	0.00	681.20	0.00	4.53	0.00	4.53
16	**D<>D Sale**	**0.00**	**0.00**	**0.00**	**0.00**	0.00	0.00	0.00	0.00	0.00
	Sale to CPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sale to EPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sale to SPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	**TOTAL**	**29988.00**	**3696.26**	**9845.11**	**37.23**	**13578.60**	**1.23**	**3.28**	**0.01**	**4.53**

As can be seen from the above tables, there is a revision of energy availability from Dr.NTTPS stage V, SDSTPS stage II, increase in despatches from APGENCO's other thermal stations, CGSs and some despatches from GGPS with a small quantity of market purchase. Overall, there is a decrease in power purchase cost to the extent of Rs.698 Cr. compared to the original filings. There is no difference between initial and revised filings in respect of energy availability, despatch, and power purchase costs of other stations except as stated above.

111. The Commission examined all the sources proposed by the DISCOMS for power procurement for FY 2023-24. They have proposed to procure power from all the APGENCO & APPDCL power plants (thermal, hydel, and RE). All these plants have valid power purchase agreements with DISCOMS except Dr. NTTPS stage V, and SDSTPS stage II. However, the Commission accorded in-principle permission by its letter dated 20.05.2022 for entering into Amended and Restated PPA with APGENCO's Dr.NTTPS Stage-V (1X800 MW) and APPDCL stage II (1X800 MW) by the DISCOMS subject to the condition that the PPA and Tariff application shall be submitted to the Commission within 2 months from the commercial operation date (COD) of the units for approval of the PPA and determination of tariff after following the due regulatory process. These two new plants are also included in the power procurement plan in the Resource plan approved by the Commission for the fourth control period. Accordingly, the Commission decides to include the same in the power procurement plan for FY 2023-24 along with other plants of APGENCO and APPDCL.

112. As regards CGSs, surprisingly, except submitting all the PPAs by L.r. No. CGM (Projects & IPC) APSPDCL/GM/lPC/F.CGS/D. No. ll64/21,Dt.24/12/2021 in response to the Commission's directions in the RST order for FY 2021-22 by APSPDCL on behalf of three DISCOMS, no applications seeking PPA approval of the Commission as per the regulatory procedure have been filed by the DISCOMs. Out of the 17 CGSs, one CGS has the approval of the Commission under JNNM phase 1. The remaining CGSs do not have the approval of the Commission. The DISCOMS in their letter dated 24.12.2021 while seeking the consent for all the PPAs with CGSs have stated that they would abide by the directions of the Commission in this regard. The PPAs with NTPC Ramagundam I & II, and NLC TPS-II Stage-I & II have expired on 31.10.2017 & 31.03.2021 respectively, and the DISCOMS sought the approval of the Commission to continue to procure the power from the same in the ARR filings for FY 2022-23. After examination of all the facts and the total landed cost of the CGS at the state periphery with reference to the trend of market prices during FY 2021-22, the Commission has permitted the DISCOMS to procure power from all CGSs till the end of the financial year 2022-23, except from the four CGS viz NTPC- Kudgi, NTECL - Vallur, NTPL, and NNTPS. As noted elsewhere,the DISCOMS filed for a Review of the Commission RST Order for FY 2022-23 for inclusion of the said four CGS in the power

procurement plan for FY 2022-23, and the same was rejected by order dated 29.06.2022 by the Commission. Appeals filed before the APTEL by the DISCOMs are pending. In defiance of the Commission's directions, the DISCOMS have been continuing power procurement from these four stations. The main grounds on which the DISCOMS insist on power procurement from the said four CGS are:

A. Without the said four CGSs, it is difficult to meet the Baseload.

B. The said four CGSs have been included by the Commission in the Resource plan for the fourth control period.

C. The power procurement cost from the said four CGSs is cheaper compared to the market prices during FY 2022-23.

D. They are under obligation to pay the fixed costs to the said four CGSs as per the PPAs even if the power is not received or approved by the Commission.

As regards point A, against the energy requirement of 74947 MU approved for FY2023-24 by the Commission, and the maximum demand of 12293 MW recorded in the AP power system that includes the power procured by the open access users on 08.04.2022, the capacities and energy potential of the thermal stations approved in this order are shown in the table below:

S. No.	Source	Contracted Capacity MW	Energy at full capacity per Annum (MU)	Energy at 85 percent normative availability (MU)
1	APGENCO-Thermal	4210	33930	28840.5
2	CG Stations	1476	17344	14742.4
3	APPDCL Stage-I & II	2400	19654	16705.9
4	Thermal Power Tech	231	1888	1604.8
5	SEIL P2	625	5064	4304.4
6	HNPCL	1040	8518	7240.3
7	**TOTAL**	**9982**	**81984**	**69686.4**

As could be seen from the above table, there is a base thermal generation capacity of 9982 MW apart from the availability of approximate base capacity of 2000 MW solar power during day time for an entire year, 2500 MW base capacity of wind power during the wind season, and 500 MW hydel power during the rainy season even after exclusion of the said four CGS. Even assuming availability of 80 percent capacity at any time, the base capacity requirement of about 8000 MW for all the time blocks during the year FY 2023-24 (as per the load duration curve approved in the resource plan for the fourth control period) can be easily met. Hence even without the power from the 4 CGSs, the required demand could be met from the other available sources.

As regards point B, the Commission's direction in the Resource plan for the fourth control period at para 134 is extracted herein:

"134. However, in respect of the Generating stations included in the sources of supply shown above which either have no Power Purchase Agreements or have no approval from the Commission for their Power Purchase Agreements and/or have to still have their tariff determined by the Commission, except in the cases where there is an ad-hoc tariff already being paid as per the Orders of the Commission, the licensees shall not receive any supply of power without prior intimation to and prior approval of the Commission."

As can be seen from the above direction, the mere inclusion of any source in the Resource plan will not confer any right on the parties concerned for enforcement of PPA. In the absence of PPAs approval sought, much less granted by the Commission, it is not permissible for the DISCOMs to schedule power without prior approval of the Commission. Inclusion in the resource plan being hedged in by the conditions as referred to above and the conditions not having been fulfilled, reliance on the Resource plan is misplaced.

As regards point C, the power procurement cost from the exchanges as furnished by the DISCOMS on an RTC basis during FY 2022-23 is given in the table below:

Delivery Month	Round the clock (00:00 to 24:00 Hrs)		
	Average Quantity Procured (MU)	Average Quantity Procured (MW)	Average Rate (Rs./KWh)
APR -22	1000.7	1389.8	10.5
MAY -22	573.6	796.6	5.4
JUNE-22	936.2	1300.3	4.7
JULY-22	363.4	504.8	4.0
AUG -22	391.9	544.3	3.8
SEPT -22	324.3	450.4	4.6
OCT -22	526.8	731.7	3.7
NOV -22	814.4	1131.2	5.2
DEC -22	868.9	1206.8	6.3

As could be seen from the above table, the average power procurement cost per unit from the exchanges on RTC basis is lesser than the average power procurement cost of Rs.6.47 per unit paid to the said four CGSs during the first six months of FY 2022-

23. Further information provided by the DISCOMS for a query shows that the weighted average cost per unit has come down gradually after the first half year in the market, whereas there is an increase in per unit cost from the four CGSs. Further, the Ministry of Power, GoI vide its notifications dated 09.01.2023, and 01.02.2023 issued directions afresh to all Gencos to import coal mandatorily till September 2023 keeping in view the high demand for power supply coupled with inadequate supply of domestic coal. Therefore, the expectations of the DISCOMS that the variable cost of the said four CGS will recede may not turn true.

As for point D, PPA/agreement is not unregulated. such an agreement is subject to the grant of approval by the Commission under 86 (1) (b) of the Electricity Act, 2003 as held by the Hon'ble Supreme court in Tata Power Company Ltd vs Reliance Energy Ltd and another - (2009) 16 SCC 659. So long as the PPA is not approved by the appropriate Commission, the terms thereof are not enforceable. Therefore, the obligation to pay fixed costs to the generators under the unapproved PPAs does not arise.

The above reasons would answer the contentions of the various stakeholders on this matter.

In view of the foregoing, the Commission decides not to include the said four CGSs in the power procurement plan for FY 2023-24. **However, the DISCOMS are at liberty to approach this Commission for procurement of the power from the said four stations on a short-term basis with substantiation that the power procurement from them would be beneficial to the DISCOMS in all respects if there is a dire need and in case of any slippage of generation from the approved sources. On such proposals, the Commission will take appropriate decision after considering pros and cons.**

In respect of the three new CGSs allotted by MoP under URS/unallocated quota whose capacity is very minimal and inclusion or exclusion of the same in the power procurement plan for FY2023-24 would not have much impact. As the landed cost of these stations is lesser than the price approved for short-term power purchases in this order, the Commission decides to include them in the power procurement plan for FY 2023-24. However, at any point of time, if the power procurement cost is found to be higher, the power procurement from the same may be stopped by the DISCOMS to save costs. As regards the request of the DISCOMS for approval of PPA with these plants, the Commission by its letter dated 11.01.23 has communicated its directions for taking further necessary action by the DISCOMS in this regard.

With regard to the remaining CGSs, they offer a price advantage to the DISCOMS, and hence, the same have been included in the power procurement plan for FY 2023-24.

It is needless to mention that in the absence of approved PPAs, the approval granted in this order for power procurement is applicable up to the end of FY 2023-24 only. If the DISCOMs desire to procure the power from all the CGSs filed before the Commission in the present ARR filings beyond FY 2023-24, they should file an appropriate petition in respect of each CGS for approval of PPA with substantiation before this Commission for taking appropriate action on the same following the due regulatory process.

As regards the ratification requested by the DISCOMS for the power procured in defiance of the Commission's directions, the Commission would consider appropriate action while considering the FPPCA claims for FY 2022-23.

113. Regarding RE/NCE plants which are hundreds in number, the power procurement for the whole capacity as proposed by the DISCOMS has been included in the power procurement plan for FY 2023-24.

114. As regards the Thermal Power Tech, SEIL and HNPCL whose PPAs have the approval of the Commission, the same have been included in the power procurement plan for FY 2023-24.

115. With regard to GGPP, it is the plant owned by the DISCOMS, and hence the same has been included in the power procurement plan for FY 2023-24.

116. As for the effect of inclusion of sources in the power procurement plan for FY2023-24, the Commission reiterates its direction in the previous RST Orders that the inclusion of any project/plant under the above sources is only for the purpose of estimating the availability of capacity during the FY2023-24 and the same does not in any way confer automatic regulatory approval which has to be obtained separately based on merits in accordance with the law. Further, in respect of the Generating stations included in the sources of supply shown above which either have no Power Purchase Agreements or which have no approval from the Commission for their Power Purchase Agreements and/or whose tariffs are yet to be determined by the Commission, except in the cases where there is an ad-hoc tariff already being paid as per the Orders of the Commission, the licensees shall not receive any supply of power without prior intimation to and prior approval of the Commission.

117. As regards contentions raised on 7000 MW solar power procurement by some stakeholders, the issue is not part of these filings. However, the Commission gave reasons in its proceedings dated 11.11.2021 for giving conditional in principle approval for procurement after being satisfied that the procurement would not cause any burden on any category of consumers since the GoAP has committed itself to bear the entire cost associated with the procurement. It is therefore not proper for some of the stakeholders to raise this aspect again and again before this forum. The aggrieved stakeholders may ventilate their grievances in the pending writ petition. As regards

granting approval of pumped storage plants (PSPs) and related issues raised by some stakeholders, the Commission has not received any proposal from the DISCOMS for procurement of power from any PSP so far under section 86 (1) (b). As and when such a proposal is received from the DISCOMS, based on the requirement, it will be examined by the Commission. Some of the related issues raised are not under the purview of the Commission.

118. In the light of the above discussion, the Commission has estimated the energy availability from the different sources by it as stated below:

a. The energy availability from APGENCO's thermal stations has been estimated based on the last three years' performance for realistic assessment instead of adopting the method of normative availability. The percentage of availability considered by the Commission is 68.97 as against the projected availability of 77.68 percent in the revised filings by the DISCOMS for the total thermal capacity of APGENCO. The energy availability from Dr.NTTPS stage V is adopted as per the revised filings of the DISCOMS from September 2023.

b. The energy availability from SDSTPS I (2x800MW) has been estimated at 60.16 percent on 100% installed capacity as projected by the DISCOMS based on past performance. The 85 percent availability on the full capacity of the new 800 MW of APPDCL has been adopted as projected by the DISCOMS in revised filings, from June 2023.

c. The energy availability from CGSs has been approved as projected by the DISCOMS since their estimations match with the past performance excluding the contracted capacities from the four stations viz., NTPC Kudgi Stage-I, NTECL Valluru, NTPL (NLC Tamil Nadu) and NLC NNTPS.

d. The Energy availability from APGenco hydel stations and inter-state hydel stations, based on the actual generation up to the end of Feb 23 and the past performance has been estimated, and accordingly, the filings are modified and adopted.

e. The energy availability from Thermal Powertech (SEIL P1) and SEIL P2 has been limited to the normative availability at 85 percent.

f. The energy availability from HNPCL has been considered at 77.12 percent realistically as against the 85% percent normative availability projected by the DISCOMS.

g. The energy availability from GGPP has been considered as projected by the DISCOMs

h. The energy availability from NCE/RE and other sources including wind and solar power plants is approved as projected by the DISCOMS since their projections are matching with the past performance in the last three years.

i. Conventional power plant capacities and NCE/RE capacities have been shared among the DISCOMS as per the latest government orders.

119. Accordingly, the station/unit-wise energy availability estimated by the Commission for each DISCOM and also for three DISCOMS put together are shown in Annexures 05 A to 05 D and the summary of the same for the FY 2023-24 along with the difference of approval over revised filings is given in the tables below:

Table 37 : APPROVED: Energy Availability (MU) for FY 2023-24

Sl. No.	Source	DISCOMS TOTAL CAPACITY (MW)	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	APGENCO-Thermal	3410	8150.43	4704.04	7299.91	20154.38
2	APGENCO-New Thermal Dr.NTTPS V	800	1313.49	758.08	1176.43	3248.002
3	APGENCO- Hydel	1656	1265.87	730.60	1133.77	3130.24
4	Interstate- Hydel	141.6	201.47	116.28	180.44	498.19
5	**APGENCO-TOTAL**	**6007.6**	**10931.26**	**6308.99**	**9790.56**	**27030.81**
6	CG Stations	1443.47	4629.13	2671.71	4146.07	11446.91
7	NCE/RE plants	8253.43	5736.16	3310.63	5137.58	14184.37
8	APPDCL Stage-I	1600	3188.50	1840.25	2855.77	7884.52
9	APPDCL Stage-II	800	1862.71	1075.06	1668.33	4606.1
10	Godavari Gas Power Plant	216	219.98	126.96	197.02	543.96
11	Thermal Powertech Corporation	231	692.35	399.59	620.10	1712.04
12	SEIL	625	1740.82	1004.72	1559.16	4304.7
13	HNPCL	1040	2656.44	1533.17	2379.24	6568.85
14	**TOTAL**	**20216.05**	**31657.35**	**18271.08**	**28353.83**	**78282.26**

Table 38: Approved Vs Revised filing: Energy Availability (MU)

Sl. No.	Source	Total for three DISCOMs		
		Filing	Approved	Difference
(a)	(2)	(3)	(4)	(5)= (4) - (3)
1	APGENCO-Thermal	23097.35	20154.38	-2942.97
2	APGENCO-New Thermal Dr.NTTPS V	3260.90	3248.00	-12.90
3	APGENCO- Hydel	2769.32	3130.24	360.92
4	Interstate- Hydel	420.96	498.19	77.23
5	**APGENCO-TOTAL**	**29548.53**	**27030.81**	**-2517.72**
6	CG Stations	14937.29	11446.91	-3490.38
7	NCE/RE plants	14184.42	14184.37	-0.05
8	APPDCL Stage-I	7884.52	7884.52	0.00
9	APPDCL Stage-II	4606.09	4606.10	0.01
10	Godavari Gas Power Plant	543.96	543.96	0.00
11	Thermal Powertech Corporation	1922.06	1712.04	-210.02
12	SEIL	4941.00	4304.70	-636.30
13	HNPCL	7298.72	6568.85	-729.87
14	**TOTAL**	**85866.59**	**78282.26**	**-7584.33**

Monthly Mapping of Power Purchase Requirement and Availability

120. It has been the practice to consider the availability, and energy requirement on monthly basis for estimation of the energy deficit/surplus, month-wise. But in order to have a realistic assessment of deficit/surplus potential for FY2023-24, the Commission directed the DISCOMS to assess their projected power purchase requirement and availability on a ToD basis, and accordingly, the DISCOMS have arrived at the shortfall/surplus as shown in the table below:

APDISCOMs: SHORTFALL (-)/SURPLUS (+) potential ToD wise- MU					
FY 2023-24	**Morning (6-10)**	**Day (10-17)**	**Evening (17-23)**	**Night (23-24 & 0-6)**	**Deficit/Surplus potential for month**
Apr 23	-111.84	-212.06	-66.56	-46.34	-436.8
May 23	147.1	143.6	68.89	246.83	606.42
Jun 23	134.3	346.41	99.68	127.66	708.05
Jul 23	184.52	582.04	257.29	355.1	1378.95
Aug 23	110.06	374.3	147.09	261.89	893.34
Sep 23	229.97	589.64	253.89	429.66	1503.16
Oct 23	100.55	244.54	0.24	135.49	480.82
Nov 23	153.16	473.78	101.64	227.19	955.77
Dec 23	71.15	312.87	178.37	388.68	951.07
Jan 24	60.36	381.25	255.55	458.67	1155.83

Feb 24	6.56	146.7	208.64	326.27	688.17
Mar 24	-85.62	43.57	96.58	152.94	207.47
Total net for FY	1000.27	3426.64	1601.3	3064.04	9092.25
Deficit	-197.46	-212.06	-66.56	-46.34	-522.42
Potential Surplus	1197.73	3638.70	1667.86	3110.38	9614.67

As could be seen from the above table, except for the entire month of April 23 and during morning peak in March 24, there is no deficit in other months of FY 2023-24. As against the DISCOMS' assessment, the Commission's assessment on deficit/surplus, considering the energy availability on realistic basis and approved power purchase requirement on TOD basis is shown below:

Table 39 : APPROVED-ALL DISCOMs - Month wise deficit (-) / surplus (MU)

APERC: SHORTFALL(-)/SURPLUS(+) – MU					
FY 2023-24	**Morning (6-10)**	**Day (10-17)**	**Evening (17-23)**	**Night (23-24 & 0-6)**	**Deficit/Surplus potential for month**
Apr '23	-162.34	-300.44	-203.59	-205.91	-872.28
May '23	79.82	25.86	-79.51	72.87	99.04
Jun '23	93.49	275.00	-8.06	0.00	360.42
Jul '23	145.16	513.18	157.68	236.16	1052.18
Aug '23	85.96	332.12	68.44	168.30	654.82
Sep '23	145.79	442.34	87.99	234.70	910.83
Oct '23	-32.15	12.31	-238.87	-143.68	-402.39
Nov '23	44.00	282.75	-89.66	1.17	238.26
Dec '23	8.13	202.58	50.20	236.94	497.85
Jan '23	5.52	285.28	132.24	312.77	735.81
Feb '23	-35.72	72.71	97.03	195.13	329.16
Mar '23	-141.65	-54.48	-51.67	-21.07	-268.87
Total for FY	**236.01**	**2089.22**	**-77.77**	**1087.37**	**3334.83**
Deficit	-371.87	-354.91	-671.36	-370.66	-1768.80
Potential Surplus	607.88	2444.13	593.60	1458.03	5103.63

From the above table, it could be seen that there could be a shortfall of energy in April 23, October 23 and March 24 for full months and deficit in morning peak hour during Feb 24, deficit in evening peak hours during May 23 and June 23. It needs to be noted that the deficit in morning peak or evening peak hours cannot be met with a surplus

of energy during the day or night. Hence, though the DISCOMS or Commission shows the potential surplus, energy is to be procured to meet the shortfall from market sources during certain time blocks. The deficit/surplus may vary in real-time depending on the actual demand and the availability of approved sources. The deficit will increase over the estimates further due to the unanticipated outage of certain units if any. The frequent outage of APGENCO's thermal units is the main concern as the same is the reason for a shortfall of energy during many time blocks in a year. **APGENCO has to review its maintenance practices to keep all units in operation without interruption, and also to see to it that the generation is at full capacity as per the requirement of the system. Further, there is surplus potential in many time blocks leading to underutilization of the capacity contracted if the same is not sold due to inadequate price in the market at the relevant time, and the same surplus potential cost is being termed as backing down cost by some stakeholders. The DISCOMS shall make its best efforts through its dedicated round-the-clock cell to dispose of the surplus energy at appropriate periods/time blocks with state-of-the-art estimation methods / AI tools as specified in Regulation 1 of 2022 of APERC. Further, it is being informed by the Ministry of Power (MoP), GoI that it has launched the surplus power portal (PUShP) as a one-of-its-kind initiative. As per the press release issued by MoP in this regard, "*the DISCOMs will be able to indicate their surplus power in block times / days / months on the portal. Those DISCOMs who need power will be able to requisition the surplus power. The new buyer will pay both variable charge (VC) and fixed cost (FC) as determined by Regulators. Once power is reassigned, the original beneficiary shall have no right to recall as entire FC liability is also shifted to the new beneficiary. Financial liability of new buyer shall be limited to quantum of temporary allocated/transferred power. This will reduce the fixed cost burden on the DISCOMs, and will also enable all the available generation capacity to be utilized*". Therefore, if the DISCOMS use the above portal effectively, they can save huge avoidable costs which the stakeholders are worried about. The DISCOMS shall submit monthly progress reports on the disposal of surplus energy through this portal.**

121. After the determination of energy availability and power purchase requirement for the FY2023-24, the Commission has first mapped the month-wise power purchase requirement to the month-wise energy availability for each DISCOM in the merit order based on the variable cost of thermal and gas units and must run status of RE/NCE, hydel and nuclear power. Then, if any DISCOM has been found to have an energy deficit in any month, the same has been met from the surplus energy of the other DISCOMs in the form of DISCOM-to-DISCOM purchases in order to optimise the power purchase cost of three DISCOMS put together. If there is a shortage for all the

DISCOMS or DISCOM-DISCOM transfer of energy is insufficient, then the balance requirement is proposed to be procured from the Market. The DISCOM-DISCOM adjustment arises due to the fixed sharing ratio of the total capacity of the generation among them as per the government orders but the actual power requirement ratio out of the total power requirement for three DISCOMS put together is varying. This can be made zero if the power-sharing ratio is dynamic based on the power requirement ratio every month.

Energy Dispatch for FY2023-24

122. While preparing the month-wise energy despatches, the available energies from all Stations as shown in Annexure – 06 A to 06 D have been considered for despatch. The Energy to be returned to the other utilities during certain months of FY 2023-24 by the DISCOMs under banking arrangement have been accounted in the energy despatch by the Commission, and the same has not been accounted by the DISCOMs in their filings. The stations having the must-run status such as Renewable Energy Projects, Nuclear Power Projects, and Hydel Stations have been dispatched first due to their must-run status as per the regulations in vogue. The SLDC shall strictly comply with the applicable CERC/SERC regulations/guidelines while dispatching energy from these projects on a real-time basis. By following the above procedure, the Commission has strived to reduce the power procurement cost of the DISCOMS to the extent possible while at the same time ensuring that the consumers in the State are provided with uninterrupted supply at reasonable prices. The station/stage-wise despatches from different sources of energy as approved by the Commission are shown in Annexures 07 A to 07 D and the summary of the same is shown in the table below:

Table 40: Approved Energy Despatch (MU)

Sl. No.	Source	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	APGENCO-Thermal	5707.40	3080.02	6985.02	15772.44
2	APGENCO-New Thermal Dr.NTTPS V	1313.48	758.10	1176.42	3248.00
3	APGENCO- Hydel	1265.8	730.58	1133.76	3130.14
4	Interstate- Hydel	201.45	116.3	180.45	498.20
5	**APGENCO-TOTAL**	**8488.13**	**4685.00**	**9475.65**	**22648.78**
6	CG Stations	4629.16	2671.77	4146.05	11446.98
7	NCE/RE plants	5736.19	3310.63	5137.59	14184.41
8	APPDCL Stage-I	3188.51	1840.24	2855.78	7884.53
9	APPDCL Stage- II (new)	1862.70	1075.05	1668.31	4606.06
10	Godavari Gas Power Plant	220.02	126.95	197.03	544.00

Sl. No.	Source	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
11	Thermal Powertech Corporation	692.40	399.6	620.16	1712.16
12	SEIL	1740.79	1004.69	1559.21	4304.68
13	HNPCL	2656.43	1533.15	2379.23	6568.81
14	Short term purchases	402.75	284.34	864.435	1551.53
15	**D<>D Purchase**	**0.00**	**33.51**	**825.45**	**858.96**
	Purchase from CPDCL	0.00	0.00	0.00	0.00
	Purchase from SPDCL	0.00	33.51	825.45	858.96
16	**D<>D Sale**	**-858.96**	**0.00**	**0.00**	**-858.96**
	Sale to CPDCL	-33.51	0.00	0.00	-33.51
	Sale to EPDCL	-825.45	0.00	0.00	-825.45
	Sale to SPDCL	0.00	0.00	0.00	0.00
17	Swapping power to be returned	-204.02	-117.75	-182.73	-504.50
18	**TOTAL**	**28554.09**	**16847.19**	**29546.16**	**74947.44**

123. The comparative summary of the energy despatch filed by the DISCOMS and as approved by the Commission is shown in the table below:

Table 41: Approved Vs Revised filing: Energy Despatch (MU)

Sl. No.	Source	Total for three DISCOMs		
		Filing	Approved	Difference
(a)	(b)	(c)	(d)	(e) = (d) - (c)
1	APGENCO-Thermal	15725.70	15772.44	46.74
2	APGENCO-New Thermal Dr. NTTPS V	3260.90	3248.00	-12.90
3	APGENCO- Hydel	2769.32	3130.14	360.82
4	Interstate- Hydel	420.95	498.20	77.25
5	**APGENCO-TOTAL**	**22176.87**	**22648.78**	**471.91**
6	CG Stations	13279.27	11446.98	-1832.29
7	NCE/RE plants	14184.42	14184.41	-0.01
8	APPDCL Stage-I	7884.52	7884.53	0.00
9	APPDCL Stage- II (new)	4606.10	4606.06	-0.04
10	Godavari Gas Power Plant	44.56	544.00	499.44
11	Thermal Powertech Corporation	1922.06	1712.16	-209.90
12	SEIL	4941.00	4304.68	-636.32
13	HNPCL	7298.72	6568.81	-729.91
14	Short term purchases	436.80	1551.53	1114.73
15	**D<>D Purchase**	**2316.63**	**858.96**	**-1457.67**
	Purchase from CPDCL	752.07	752.07	0.00
	Purchase from SPDCL	1564.56	858.96	-705.60
16	**D<>D Sale**	**-2316.63**	**-858.96**	**1457.67**
	Sale to CPDCL	-60.23	-33.51	26.72

Sl. No.	Source	Total for three DISCOMs		
		Filing	Approved	Difference
	Sale to EPDCL	-2180.33	-825.45	1354.88
	Sale to SPDCL	-76.07	0.00	76.07
17	Swapping power to be returned	0.00	-504.50	-504.50
18	**TOTAL**	**76774.32**	**74947.44**	**-1826.88**

Unexpected Slippages in Generation

124. During some months/weeks, part or full availability of energy estimated from some of the approved generating stations/sources may not materialize due to the factors like break-down of power plants, non-availability of fuel, etc., as discussed in the previous paragraphs leading to a gap between demand and supply. In that case, the licensees shall approach the Commission for remedial measures to meet the shortfall in energy from alternative sources duly making some analysis. **Any short-term power purchase including the shortfall of energy during certain time blocks in a day or certain days shall be procured as per Regulation 1 of 2022 and furnish the information to the Commission accordingly.**

125. Further, the DISCOMS shall not procure energy from Stations / Sources other than those approved in this order without the prior approval of the Commission. While operating intraday merit order despatch by SLDC, the least cost source shall be despatched to the full extent in order to achieve lower power purchase cost at the end of the day. **The SLDC shall develop or use unit commitment software for the same**. While backing down approved thermal stations intraday to accommodate short-term purchases from the market if any to save the power purchase cost, the technical limits for backing down of the units as specified in the IEGC shall be followed.

126. Violation of the above directions of the Commission will be viewed very seriously and appropriate action will be initiated against the officers/persons responsible for the violation under the provisions of the Electricity Act, 2003, AP Electricity Reform Act, 1998, and Rules and Regulations made thereunder in accordance with the prescribed procedure.

Power Purchase Costs:

127. Having finalised the energy despatches as above**,** the Commission has approved the power purchase costs as detailed in subsequent paragraphs:

128. **Fixed Costs**:

a. The fixed costs for APGENCO's thermal and hydel stations are fixed in accordance with its tariff order dated 29.04.2019 in OP No.35 of 2018 for APGENCO's stations for the 4th control period. For RTPP-IV, the fixed costs are adopted as per the Commission's order dated 31.12.2020. The fixed costs in respect of Dr.NTTPS stage V are fixed on adhoc basis at Rs.1.80 per unit as against the proposal of the

DISCOMS at Rs.2.80 per unit subject to true-up/down based on the final tariff determined by the Commission in the appropriate proceedings.

b. The tariffs for CGSs (except Ramgundam Stage-III) for the FY2023-24 are yet to be determined by CERC. From the information furnished subsequently by the DISCOMS, it is learnt that the latest tariff orders issued by CERC for these stations (except nuclear power plants and Ramagundam Stage III) are for the control period FY 2014-19. As the tariff order for Ramagundam Stage III was issued by the CERC for FY 2019-24, the fixed costs applicable for FY2023-24 as proposed by the DISCOMS have been adopted for this station. For the remaining CGSs, in the absence of approved tariffs by CERC for them, the actual fixed costs paid by the DISCOMS for FY 2021-22 or the fixed costs filed by them whichever are lower are adopted. Any variations in the fixed costs between the amounts provisionally approved now and that determined by CERC in its final orders may be collected by the DISCOMS from the true ups as per the relevant regulations.

c. For SDSTPS-I, APPDCL, vide O.P.No.53 of 2019 has filed an application for determination of tariff for the period from FY2019-20 to FY2023-24 before this Commission. Based on the said petition, APDISCOMs in their filings proposed a fixed cost of Rs.1781.19 Cr. Pending determination of the said claim, the Commission finds it appropriate to allow the said cost which shall be subject to the final determination of the fixed cost by the Commission. The fixed costs in respect of SDSTPS stage II is fixed on adhoc basis at Rs.1.80 per unit as against the proposal of the DISCOMS at Rs.2.80 per unit subject to true up/down based on the final tariff determined by the Commission in the appropriate proceedings.

d. As regards Thermal power Tech, and SEIL P2, the fixed costs as proposed by the DISCOMS are approved since the same are as per the bidding approved by this Commission.

e. As regards HNPCL, the fixed costs as proposed by the DISCOMs are approved since the same are on the basis of this Commission's order issued in August 2022.

f. As regards GGPP, the plant was not in operation for most of the period in FY 2022-23 due to extremely higher gas prices. But this plant is expected to be operational during the FY 2023-24 as the GoI committee has recommended a ceiling price to the APM gas which may come into effect shortly as per the reports available in the public domain. Accordingly, even though there was no despatch proposed by the DISCOMS in their original filings as pointed out by one of the stakeholders, a small quantity of despatch has been shown by the DISCOMS in their revised filings. But based on the information available in the public domain, the availability shown in the original filings has been considered for despatch by

the Commission. Therefore, the actual fixed costs incurred by the DISCOMS for FY2021-22 have been adopted.

g. Since the Commission has limited the energy availability from some stations up to the normative value only, the incentive proposed by the DISCOMS for availability/despatch from the station beyond the norm in the form of other costs is not permitted. However, the DISCOMs are permitted to pay the incentive amounts to the generators based on their performance as per the terms & conditions of PPA and claim the same in the True up/down. The Commission has also not approved the other costs in respect of CGSs, the same may be claimed on an actual payment basis in the True-up/down claims as per regulations.

h. **Further, the Commission has finalised the energy availability of APGENCO SDSTPS, and HNPCL thermal stations based on the actual performance for the last three years and accordingly it has reduced the fixed costs proportionately corresponding to the capacity approved in the present order. However, the DISCOMS shall pay the fixed costs based on the actual availability during the month or the availability approved in this order subject to limiting the same to normative value every month and for the year as a whole. In respect of the plants whose availability is considered at normative value, the fixed charges approved in this order are payable provided, they achieve the normative availability/capacity index at the end of the year as specified in the relevant Regulations/orders.**

i. **If any power plant fails to achieve the specified normative availability/capacity index, there shall be a pro-rata reduction of fixed charges. The DISCOMS shall place on their websites the details** of **the cumulative availability/capacity index achieved by each generator up to the end of each month after the end of that month and accordingly SLDC shall intimate the DISCOMS of the availability achieved by the each generator including CGSs after the end of each month within 15 days after completion of that month.**

129. Variable costs:

a. The variable costs per unit for all the thermal stations of APGenco and SDSTPS are adopted as approved in the Retail Supply tariff Order for FY2022-23 as per the proposal in the filings. In respect of Dr.NTTPS and SDSTPS stage II, VCs as filed by the DISCOMS are approved since they are lower than the variable cost per unit of the same size capacity already in service.

b. In respect of CGSs, the actual unit rates paid for FY 2021-22 have been approved rejecting the 5 percent escalation proposed by the DISCOMS since any variation

of the same can be claimed through FPPCA as per relevant regulations as contended by several stakeholders.

c. As regards NCE/RE plants the actual weighted average for FY 2021-22 or the price filed by the DISCOMS whichever is lower is adopted.

d. As regards Thermal power tech, SEIL (P2), the variable cost per unit based on the bidding proposed by the DISCOMS has been adopted.

e. As regards the CGPP, the variable cost per unit is fixed based on the prevailing gas prices and the expected rate to be fixed by GoI for APM gas.

f. As regards HNPCL, the rate per unit variable cost is adopted as per the proposal of the DISCOMS in the filings as the same is in line with the Commission's directions in the Order dated 01.08.2022. **However, if HNPCL incurred extra expenditure over the above price, it can approach the Commission through a proper petition for consideration of the same by the Commission and passing necessary orders after a prudent check**.

j. In respect of short-term power purchases approved, the actual per unit rate for FY 2021-22 has been adopted expecting a similar situation for FY2023-24. As per the estimates of the Commission discussed in paragraphs supra, the DISCOMS have to necessarily purchase energy from the exchanges/market during some months in certain time blocks for FY2023-24, and for such purchases, **the Commission approves the ceiling rate at Rs.5.31 per unit which is the per unit short term power purchase price for FY2023-24 fixed by the Commission in this order for three DISCOMS put together. If the weighted average price exceeds the ceiling price in any month, the reasons and justification for such purchases at higher price shall be furnished to the Commission.**

g. While mapping the respective energy requirements of the DISCOMS to the share of energy available to them from all the stations merit order wise, a shortfall of energy for EPDCL & CPDCL was observed during certain months. This shortfall of energy has been met from the surplus energy of SPDCL. For the DISCOM to DISCOMS transfer of energy from SPDCL to the other two DISCOMS, the weighted average power procurement cost of APSPDCL is adopted. However, the DISCOMs are at liberty to approach the Commission if there is any dispute in this regard.

130. As discussed above, the station-wise power purchase cost computed by the Commission for the three DISCOMs (State) and for each DISCOM corresponding to the energy despatch approved in this order is shown in Annexures 09 A to 09 D and the summary of the same sources wise for FY2023-24 for three DISCOMS put together and for each DISCOM is given in the tables below:

Table 42: Approved: Three DISCOMs - Power Purchase Cost

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	15772.44	2259.79	5451.73	7711.52	1.43	3.46	4.89
2	APGENCO-New Thermal Dr.NTTPS V	3248	584.64	1000.38	1585.02	1.80	3.08	4.88
3	APGenco- Hydel	3130.14	575.13	0.00	575.13	1.84	0.00	1.84
4	Interstate-Hydel	498.19	67.86	0.00	67.86	1.36	0.00	1.36
5	**APGENCO-TOTAL**	**22648.77**	**3487.42**	**6452.11**	**9939.53**	1.54	2.85	4.39
6	CG Stations	11446.98	892.05	3169.29	4061.34	0.78	2.77	3.55
7	NCE	14184.41	10.65	6361.16	6371.81	0.01	4.48	4.49
8	APPDCL Stage-I	7884.53	1228.88	2475.74	3704.62	1.56	3.14	4.70
9	APPDCL Stage-II	4606.06	829.10	1446.30	2275.40	1.80	3.14	4.94
10	Godavari Gas Power Plant	544.00	21.92	244.80	266.72	0.40	4.50	4.90
11	Thermal Powertech Corporation (SEIL P1)	1712.16	269.46	383.52	652.98	1.57	2.24	3.81
12	SEIL P 2	4304.68	718.88	934.12	1653.00	1.67	2.17	3.84
13	HNPCL	6568.81	944.00	1845.84	2789.84	1.44	2.81	4.25
14	Short term purchases	1551.53	0.00	823.86	823.86	0.00	5.31	5.31
15	D<>D Purchase	858.96	0.00	371.07	371.07	0.00	4.32	4.32
16	**Total Despatch**	**76310.89**	**8402.36**	**24507.82**	**32910.18**	**1.10**	**3.21**	**4.31**
17	D<>D Sale	-858.96	0.00	-371.07	-371.07	0.00	4.32	4.32
18	Swapping power to be returned	-504.5	0.00	-217.95	-217.95	0.00	4.32	4.32
19	**Net Despatch**	**74947.43**	**8402.36**	**23918.80**	**32321.16**	**1.12**	**3.19**	**4.31**

Table 43:Approved Vs Revised filing: Three DISCOMs-Power Purchase Cost (Rs. Cr.)

Sl. No.	Source	Total for three DISCOMs		
		Filing	Approved	Difference
(a)	(b)	(c)	(d)	(e) = (d) - (c)
1	AP Genco-Thermal	7840.19	7711.52	-128.67
2	APGENCO-New Thermal Dr.NTTPS V	1916.92	1585.02	-331.90
3	APGenco- Hydel	575.13	575.13	0.00
4	Interstate- Hydel	67.86	67.86	0.00
5	**APGENCO-TOTAL**	**10400.10**	**9939.53**	**-460.57**
6	CG Stations	5506.27	4061.34	-1444.93
7	NCE	6418.07	6371.81	-46.26
8	APPDCL Stage-I	3704.62	3704.62	0.00
9	APPDCL Stage-II	2740.48	2275.4	-465.08
10	Godavari Gas Power Plant	53.36	266.72	213.36
11	Thermal Powertech Corporation (SEIL P1)	752.72	652.984	-99.73
12	SEIL P 2	1897.35	1653	-244.35
13	HNPCL	3093.93	2789.84	-304.09
14	Short term purchases	196.57	823.86	627.29
15	D<>D Purchase	1049.01	371.074	-677.94
16	**Total Despatch**	**35812.47**	**32910.18**	**-2902.29**
17	D<>D Sale	-1048.97	-371.07	677.90
18	Swapping power to be returned	0.00	-217.95	-217.95
19	**Net Despatch**	**34763.50**	**32321.16**	**-2442.34**

Table 44: Difference of Approved Vs Revised filing: Three DISCOMs - Power Purchase Cost (Rs. Cr.)

Sl. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)				Unit Cost (Rs. / kWh)			
			Fixed	Variable	Others	Total	Fixed	Variable	Others	Total
1	AP Genco-Thermal	46.74	-214.70	86.03	0.00	-128.67	-0.14	0.04	0.00	-0.10
2	APGENCO-New Thermal Dr.NTTPS V	-12.90	-327.92	-3.98	0.00	-331.90	-1.00	0.00	0.00	-1.00
3	APGenco- Hydel	360.82	0.00	0.00	0.00	0.00	-0.24	0.00	0.00	-0.24
4	Interstate- Hydel	77.23	0.00	0.00	0.00	0.00	-0.25	0.00	0.00	-0.25
5	**APGENCO-TOTAL**	**471.89**	**-542.62**	**82.06**	**0.00**	**-460.57**	**-0.28**	**-0.02**	**0.00**	**-0.30**
6	CG Stations	-1832.29	-584.51	-762.66	-97.77	-1444.93	-0.33	-0.19	-0.07	-0.60
7	NCE	0.00	0.01	-46.27	0.00	-46.26	0.00	-0.03	0.00	-0.03
8	APPDCL Stage-I	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	APPDCL Stage-II	-0.03	-465.07	-0.01	0.00	-465.08	-1.01	0.00	0.00	-1.01
10	Godavari Gas Power Plant	499.44	-5.21	218.57	0.00	213.36	-5.69	-1.39	0.00	-7.07
11	Thermal Powertech Corporation	-209.90	0.00	-94.72	-5.02	-99.73	0.17	-0.25	-0.03	-0.10
12	SEIL	-636.32	-106.27	-138.08	0.00	-244.35	0.00	0.00	0.00	0.00
13	Hinduja National Power Corporation Limited (HNPL)	-729.91	-98.99	-205.10	0.00	-304.09	0.01	0.00	0.00	0.01
14	Short term purchases	1114.73	0.00	627.29	0.00	627.29	0.00	0.81	0.00	0.81
15	D<>D-Purchase	-1457.67	0.00	-677.94	0.00	-677.94	0.00	-0.21	0.00	-0.21
16	**D<>D-Sale**	1457.67	0.00	677.90	0.00	677.90	0.00	-0.21	0.00	-0.21
17	Swapping power to be returned	-504.5	0.00	-217.95	0.00	-217.95	0.00	4.32	0.00	4.32
18	**TOTAL**	**-1826.88**	**-1802.66**	**-536.90**	**-102.78**	**-2442.34**	**-0.21**	**0.01**	**-0.01**	**-0.22**

Table 45 : Approved: APSPDCL - Power Purchase Cost

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	5707.40	913.86	1951.92	2865.78	1.60	3.42	5.02
2	APGENCO-New Thermal Dr.NTTPS V	1313.48	236.43	404.55	640.98	1.80	3.08	4.88
3	APGenco- Hydel	1265.80	232.58	0.00	232.58	1.84	0.00	1.84
4	Interstate – Hydel	201.45	27.44	0.00	27.44	1.36	0.00	1.36
5	**APGENCO-TOTAL**	**8488.13**	**1410.31**	**2356.47**	**3766.78**	1.66	2.78	4.44
6	CG Stations	4629.16	360.75	1281.66	1642.41	0.78	2.77	3.55
7	NCE	5736.19	4.31	2572.47	2576.77	0.01	4.48	4.49
8	APPDCL Stage-I	3188.51	496.96	1001.19	1498.15	1.56	3.14	4.70
9	APPDCL Stage-II	1862.70	335.29	584.89	920.18	1.80	3.14	4.94
10	Godavari Gas Power Plant	220.02	8.86	99.01	107.87	0.40	4.50	4.90
11	Thermal Powertech Corporation (SEIL P1)	692.40	108.97	155.10	264.07	1.57	2.24	3.81
12	SEIL P 2	1740.79	290.71	377.75	668.46	1.67	2.17	3.84
13	HNPCL	2656.43	381.75	746.455	1128.21	1.44	2.81	4.25
14	Short term purchases	402.75	0.00	213.86	213.86	0.00	5.31	5.31
15	D<>D Purchase	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	**Total Despatch**	**29617.08**	**3397.91**	**9388.85**	**12786.76**	1.15	3.17	4.32
17	D<>D Sale	-858.96	0.00	-371.07	-371.07	0.00	4.32	4.32
18	Swapping power to be returned	-204.02	0.00	-88.14	-88.14	0.00	4.32	4.32
19	**Net Despatch**	**28554.10**	**3397.91**	**8929.64**	**12327.55**	**1.19**	**3.13**	**4.32**

Table 46 : Approved: APCPDCL - Power Purchase Cost

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	3080.02	527.43	1053.4	1580.83	1.71	3.42	5.13
2	APGENCO-New Thermal Dr.NTTPS V	758.10	136.46	233.49	369.95	1.80	3.08	4.88
3	APGenco- Hydel	730.58	134.24	0.00	134.24	1.84	0.00	1.84
4	Interstate- Hydel	116.30	15.835	0.00	15.84	1.36	0.00	1.36
5	**APGENCO-TOTAL**	**4685.00**	**813.96**	**1286.89**	**2100.85**	**1.74**	**2.75**	**4.48**
6	CG Stations	2671.77	208.21	739.73	947.94	0.78	2.77	3.55
7	NCE	3310.63	2.49	1484.69	1487.18	0.01	4.48	4.49
8	APPDCL Stage-I	1840.24	286.82	577.84	864.66	1.56	3.14	4.70
9	APPDCL Stage-II	1075.05	193.51	337.57	531.08	1.80	3.14	4.94
10	Godavari Gas Power Plant	126.95	5.12	57.13	62.25	0.40	4.50	4.90
11	Thermal Powertech Corporation (SEIL P1)	399.60	62.89	89.51	152.40	1.57	2.24	3.81
12	SEIL P 2	1004.69	167.78	218.02	385.80	1.67	2.17	3.84

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
13	HNPCL	1533.15	220.33	430.82	651.15	1.44	2.81	4.25
14	Short term purchases	284.34	0.00	150.98	150.98	0.00	5.31	5.31
15	D<>D Purchase	33.51	0.00	14.48	14.48	0.00	4.32	4.32
16	**Total Despatch**	**16964.94**	**1961.11**	**5387.64**	**7348.75**	1.16	3.18	4.33
17	D<>D Sale	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Swapping power to be returned	-117.75	0.00	-50.87	-50.87	0.00	4.32	4.32
19	**Net Despatch**	**16847.19**	**1961.11**	**5336.77**	**7297.88**	**1.16**	**3.17**	**4.33**

Table 47: Approved: APEPDCL - Power Purchase Cost

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	6985.02	818.5	2446.41	3264.91	1.17	3.50	4.67
2	APGENCO-New Thermal Dr.NTTPS V	1176.42	211.75	362.34	574.09	1.80	3.08	4.88
3	APGenco- Hydel	1133.76	208.31	0.00	208.31	1.84	0.00	1.84
4	Interstate- Hydel	180.45	24.58	0.00	24.58	1.36	0.00	1.36
5	**APGENCO-TOTAL**	**9475.65**	**1263.14**	**2808.75**	**4071.89**	**1.33**	**2.96**	**4.30**
6	CG Stations	4146.05	323.10	1147.90	1471.00	0.78	2.77	3.55
7	NCE	5137.59	3.86	2304.01	2307.87	0.01	4.48	4.49
8	APPDCL Stage-I	2855.78	445.10	896.72	1341.82	1.56	3.14	4.70
9	APPDCL Stage-II	1668.31	300.30	523.85	824.15	1.80	3.14	4.94
10	Godavari Gas Power Plant	197.03	7.94	88.66	96.60	0.40	4.50	4.90
11	Thermal Powertech Corporation (SEIL P1)	620.16	97.60	138.92	236.52	1.57	2.24	3.81
12	SEIL P 2	1559.21	260.39	338.35	598.74	1.67	2.17	3.84
13	HNPCL	2379.23	341.92	668.56	1010.48	1.44	2.81	4.25
14	Short term purchases	864.44	0.00	459.02	459.02	0.00	5.31	5.31
15	D<>D Purchase	825.45	0.00	356.60	356.60	0.00	4.32	4.32
16	**Total Despatch**	**29728.90**	**3043.34**	**9731.34**	**12774.67**	**1.02**	**3.27**	**4.30**
17	D<>D Sale	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	Swapping power to be returned	-182.73	0.00	-78.94	-78.94	0.00	4.32	4.32
19	**Net Despatch**	**29546.16**	**3043.34**	**9652.39**	**12695.73**	**1.03**	**3.27**	**4.30**

131. Some stakeholders raised the issue of payment of the fixed cost to HNPCL based on the adhoc tariff fixed by APERC in its order dated 01.08.2022 for energy supplied during the period from 21st August 2020 to 2nd February 2022 and questioned the government's intervention in the matter. In this regard, once the PPA, and tariff are approved by the Commission, the DISCOMS are obligated to pay costs to HNPCL in

terms of PPA and the Order dated 01.08.2022. If there is any dispute on the same, either party can approach this Commission for adjudication. So far, no dispute has been raised before the Commission. If any payments are found to be made contrary to the order dt.01.08.2022, the same will be disallowed in FPPCA proceedings.

132. As regards one of the stakeholder's request that fresh norms shall be specified for APGENCO's thermal stations to reduce the average power procurement cost from APGENCO, the Commission would examine the necessity or otherwise of revision of tariff regulations and take steps accordingly.

RPPO of the DISCOMS:

133. As per Regulation 5 of 2022 of APERC, every distribution licensee shall purchase a minimum of 19 percent of its consumption of energy from renewable sources at the tariff determined by the Commission under section 62 of the Electricity Act, 2003 or at the tariffs discovered through transparent bidding process under section 63 of the Electricity Act 2003 and adopted by the Commission. The following table shows the RPPO status of the DISCOMS for FY 2023-24 based on the RE power procurement out of the total power procurement approved in this Order.

S. No.	DISCOM	APSPDCL	APCPDCL	APEPDCL	Total for three DISCOMS
1	PPR (MU)	28554.10	16847.19	29546.16	74947.45
2	RPPO @ 19%	5425.28	3200.97	5613.77	14240.01
3	Procurement (MU) from wind, solar and other NCE	5736.19	3310.63	5137.59	14184.41
4	Procurement from Hydel (MU)	1265.80	730.58	1133.76	3130.14
5=(3)+(4)	Total procurement of RE (MU)	7001.99	4041.21	6271.35	17314.55
10=(5)-(2)	Surplus/deficit (MU)	1576.71	840.24	657.58	3074.54

As could be seen from the above table, as regards the RPPO compliance, all three DISCOMS are expected to exceed the RPPO percentage specified by the Commission for FY 2023-24.

134. Lastly, it may be noted that the power purchase costs and energy availability/despatches approved by the Commission in this chapter are estimates only. The actual values may differ from these estimates. For some of the stations, the variations may be positive, and for others, negative. The Commission has endeavoured to minimise the effect of these variations on the estimated purchase costs/energy availability/despatches to the extent possible. The DISCOMS shall pass on the variations of the costs if any in the form of the True-Up/down of these power purchase costs as per the relevant Regulations.

CHAPTER - V

AGGREGATE REVENUE REQUIREMENT

Introduction

135. In this Chapter, the Commission proposes to determine the Aggregate Revenue Requirement (ARR) for FY 2023-24 relating to the retail supply business of APSPDCL, APEP DCL, and APCPDCL based on their respective filings, as briefly referred in Chapter-I, approved sales volume, power purchase requirement as determined in Chapter-III and power purchase costs as determined in Chapter-IV after considering the views/ objections/suggestions relating to the various aspects of ARR submitted in writing and expressed orally during public hearings, and the views expressed by the members in the State Advisory Committee.

DISCOMS' submission in their Filings:

136. The ARR projections of the DISCOMS, item-wise, as per the filings are mentioned below:

137. **Transmission Cost**: The DISCOMS utilise the transmission network owned by State Transmission Utility/Transmission Licensee (APTransco), for power evacuation/flow from generating stations to the distribution network for which they need to pay the transmission charges at the rates/charges determined by the Commission in the Transmission Tariff Orders. The transmission cost projected by the DISCOMs in the filings is as per the Transmission Tariff Order for the 4th Control Period issued by the Commission. The details are summarized in the table below:

Table 48 : Filing: Transmission Cost for FY 2023-24

Sl. No	Description	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	Demand, MW	6263.01	3614.50	5149.00	15026.51
2	Transmission Charge (Rs./kW/Month)	188.38	188.38	188.38	188.38
3	**Transmission Cost (Cr) (1x2)**	**1415.79**	**817.08**	**1163.96**	**3396.83**

138. **SLDC Cost:** The DISCOMS utilize the services of the State Load Despatch Centre (SLDC) for scheduling power from various generating sources to their consumers for which the DISCOMS have to pay a) Annual operating charges and b) Annual fees. The SLDC Cost projected by the DISCOMs in the filings is as per the order of the Commission on SLDC Annual Fees and Operating Charges for the 4th Control Period. The details are summarized in the table below.

Table 49 : Filing: SLDC Cost for FY 2023-24

Sl. No.	Description	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	Capacity, MW	15299.58	3033.50	4670.00	23003.08
2	SLDC Annual Fee (Rs./MW/Year)	6382.27	6382.27	6382.27	6382.27
3	SLDC Annual Fee (in Rs. Cr.)	9.76	1.94	2.98	14.68
4	SLDC Charges, (Rs./MW/month)	2235.65	2235.65	2235.65	2235.65
5	SLDC Charges (in Rs. Cr.)	41.05	8.14	12.53	61.71
6	**Total SLDC Cost (in Rs. Cr.) (3+5)**	**50.81**	**10.07**	**15.51**	**76.39**

139. Distribution Cost: DISCOMS incur the distribution cost for the transfer of energy to the consumers through its network from the Transco' network. The Distribution Cost projected by the DISCOMS in the filings is as per the order of the Commission on Wheeling Tariffs for Distribution business for the 4th Control Period. The details are summarized in the table below:

Table 50 : Filing: Distribution Cost for FY 2023-24

Sl. No.	Item	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	Capacity, MW				
(i)	33kV	663.53	410.84	1025.00	**2099.37**
(ii)	11kV	992.45	614.50	1309.00	**2915.95**
(iii)	LT	3890.25	2408.73	2497.00	**8795.98**
2	Distribution charges (Rs./MW/month)				
(i)	33kV	79.48	79.48	61.92	**-**
(ii)	11kV	536.83	436.83	489.07	**-**
(iii)	LT	795.08	766.95	836.76	**-**
3	Distribution Cost per annum in Rs. Cr.				
(i)	33kV	63.28	39.18	76.16	**178.63**
(ii)	11kV	639.33	322.12	768.23	**1729.68**
(iii)	LT	3711.67	2216.85	2507.27	**8435.79**
4	**Total Distribution Cost (Rs. Cr.)**	**4414.29**	**2578.15**	**3351.66**	**10344.10**

140. PGCIL and ULDC Cost: The DISCOMS utilise the network of the Central Transmission Utility (CTU) /Power Grid Corporation of India (PGCIL), and services of the Unified Load Despatch Centre (ULDC) for supplying power to its consumers from the Central Generating Stations (CGS) and one IPP. In this regard, The DISCOMS submits that:

a. CTU transmission charges mean Inter-State Transmission System (ISTS) charges, and Transmission Deviation charges. Presently the chargeable Long Term Access (LTA) quantum of the DISCOMs is 1750 MW which includes 230.55 MW allocation of TPCIL-AP (Sembcorp) along with allocation from CGSs. However, allocation from Simhadri-Stage-I to the extent of 461.1 MW is exempted since it is connected to the STU network. The ISTS charges are governed by CERC Sharing of Transmission Charges & Losses (STC&L) Regulations-2020.

b. For the first half of the current financial year, the average of monthly ISTS charges billed and admitted are around Rs 73 Cr. @ a monthly charge of Rs.4.17 Lakh/MW/Month, and a monthly RTDA of Rs.14.0 Crs. Therefore, the monthly ISTS charges are around Rs 87 Cr. The RTDA charges are in account of market purchases since the drawals would exceed the LTA quantum because of these purchases.

c. Further, a new 800 kV HVDC line has been commissioned between Raigarh in WR-Pugulur in SR. This line's charges will be included in the Regional component of ISTS charges. The monthly additional commitment is estimated to be around Rs 15 Cr. as per CERC's latest tariff order.

d. As per the Connectivity and General Network Access (GNA) to the Inter-State Transmission System Regulations, 2022 issued by CERC which came into effect from 15.10.22 replacing the earlier connectivity and open access regulations, the criteria for levying ISTS charges are shifted from LTA quantum to GNA. The GNA quantum has been determined based on actual ISTS drawals in the past three years which include short-term purchases in the market undertaken by APDISCOMs. Accordingly, the deemed GNA quantum for AP is notified as 4516 MW when compared to the present LTA quantum of 1750 MW.

e. Since GNA-based billing has not yet commenced, the APDISCOMs have tentatively estimated the ISTS charges for FY 2023-24. Accordingly, the PGCIL and ULDC charges projected for each DISCOM, and for all the three DISCOMS put together for FY 2023-24, are given in the table below:

Table 51: Filings: PGCIL and ULDC Charges for FY 2023-24

Sl. No	Item	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	PGCIL Expenses (Cr.)	769.41	364.1	565.03	**1,698.54**
2	ULDC Charges (Cr.)	1.28	0.74	1.15	**3.17**

f. The cost is shared among the DISCOMs based on the ratio applicable to sharing of conventional plants' capacity. The DISCOMs requested the Commission to accord permission to revise the above projection as and when actual billing data is made available consequent to the issue of the first bill.

141. Power Purchase Cost: The power purchase costs arrived at by the DISCOMs based on the sales estimates for FY 2023-24 are summarized in the table below for each DISCOM and for all three DISCOMS put together.:

Table 52 : Filings: Power Purchase Cost for FY 2023-24

Sl. No.	Item	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	Power Purchase Cost (Rs. Cr.)	13555.63	8013.31	13892.31	**35461.25**

As per the directions of the Commission as discussed in power purchase costs chapter, the DISCOMS have filed the revised power purchase costs as shown in the table below:

Table 53 : Revised Filings: Power Purchase Cost for FY2023-24

Sl. No	Item	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	Power Purchase Cost (Rs.Cr.)	13384.37	7800.53	13578.6	**34763.50**

142. Additional interest on pension bonds: The additional interest on pension bonds is shown as a separate item instead of part as of the power purchase cost similar to last year. SPDCL has shown it under the network costs whereas EPDCL and CPDCL have shown it under supply costs while computing the ARR for FY2023-24. The intention of the DISCOMs not to show it under the power purchase cost is to avoid skewing the actual power purchase costs. The additional interests on pension bonds shown by each DISCOM and three DISCOMS together are given in the table below:

Table 54 : Filing: Additional interest on pension bonds (Rs. Cr.)

Sl. No.	Item	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	Additional interest on pension bonds	412.53	238.09	369.48	**1020.1**

143. **Interest on Consumer Security Deposits (ICSD):** As per the existing regulatory framework, DISCOMS need to pay the interest on security deposits held with them and such interest amount is an admissible expense item in the yearly ARR. The Interests on Consumer Security Deposits arrived at by each DISCOM and for the three DISCOMS put together along with computations are shown in the table below:

Table 55 : Filings: Interest Cost on Consumer Security Deposits for FY2023-24 (Rs. Cr.)

Sl. No.	Particulars	SPDCL	CPDCL	EPDCL	TOTAL for three DISCOMS
1	Opening Balance	2105.98	1487.58	2438.95	6032.51
2	Additions during the Year	282.20	163.02	230.74	675.96
3	Deductions during the Year	56.44	22.99	34.01	113.44
4	Closing Balance (1+2-3)	2331.74	1627.61	2635.67	6595.02
5	Average Balance ((1+4)/2)	2218.86	1557.59	2537.31	6313.76
6	Interest @ % p.a.	6.20	5.65	5.65	-
7	**Interest Cost (5x6)**	137.57	**88.00**	**143.36**	**368.93**

144. **Supply Margin on Retail Supply Business:** The DISCOMS have computed the supply margin at 2 percent on the equity earmarked for the Retail Supply Business as per the practice in vogue. A summary of the supply margins arrived at by the DISCOMS is shown in the table below.

Table 56: Filing: Retail Supply margin for FY 2023-24 (Rs. Cr.)

Sl. No.	Particulars	SPDCL	CPDCL	EPDCL	TOTAL for three DISCOMS
1	Supply Margin Amount	45.04	25.99	26.48	**97.51**

145. Other Costs: The DISCOMS incur costs for the installation of solar pump sets, Energy Efficient Pumpsets, grants to APSEEDCO, and towards maintaining a Reserve fund for paying compensation to the victims of electrical accidents as per Regulation 2 of 2017, etc. A summary of these costs arrived at by each DISCOM and for three DISCOMS to be included in ARR is shown in the table below as other costs:

Table 57: Filings: Other Costs for FY 2023-24 (Rs. Cr.)

Sl. No.	Particulars	SPDCL	CPDCL	EPDCL	TOTAL for three DISCOMS
1	Agricultural Solar Pumpsets	19.20	0.00	15.26	**34.46**
2	Energy Efficient Pumpsets	30.90	0.00	12.21	**43.11**
3	DELP	0.00	0.00	2.65	**2.65**
4	Compensation to the victims of electrical accidents	10.00	4.00	10.00	**24.00**
5	Grants to APSEEDCO	1.27	1.00	1.00	**3.27**
6	Financial impacts on account of differential Tariff for 220KV consumers for FY 2018-19 (as per orders in OP.No.60 of 2017)	7.06	0.00	8.94	**16.00**
7	Safety expenses		0.39		**0.39**
	Total	**68.43**	**5.39**	**50.06**	**123.88**

146. As described above, the summary of the ARRs filed by the DISCOMS, item-wise is given in the table below:

Table 58 : Filings: ARR for FY 2023-24 (Rs. Cr.)

Sl.No	Item	SPDCL	CPDCL	EPDCL	TOTAL for three DISCOMS
1	Transmission Cost	1415.79	817.08	1163.96	3396.83
2	SLDC Cost	50.81	10.07	15.51	76.39
3	Distribution Cost	4414.29	2578.15	3351.66	10344.10
4	PGCIL Expenses	769.41	364.10	565.03	1698.54
5	ULDC Charges	1.28	0.74	1.15	3.17
6	**Network and SLDC Cost (1+2+3+4+5)**	**6651.58**	**3770.15**	**5097.31**	**15519.04**
7	Power Purchase Cost	13555.63	8013.31	13892.31	35461.25
8	Interest on consumer security deposits	137.57	88	143.36	368.93
9	Supply Margin in Retail Supply Business	45.04	25.99	26.48	97.51
10	Other Costs	68.43	5.39	50.06	123.88
11	Additional Interest on Pension bonds as per APGenco Order*	412.53	238.09	369.48	1020.10
12	**Supply Cost (7+8+9+10+11)**	**14219.2**	**8370.78**	**14481.69**	37071.67
13	**Aggregate Revenue Requirement (6+12)**	**20870.78**	**12140.93**	**19579.00**	**52590.71**
*** Additional Interest on Pension bonds shown under network cost by APSPDCL has been shown under supply cost**					

But due to subsequent revision of power purchase costs, there is change in ARR as shown in the table below:

1	**Aggregate Revenue Requirement as per PP cost in Original Filings (Cr.)**	20870.78	12140.93	19579.00	52590.71
2	**Aggregate Revenue Requirement as per PP cost in Revised Filings (Cr.)**	20699.52	11928.15	19265.29	51892.96
3=(1)-(2)	**Difference in ARR due to revision of PP cost**	171.26	212.78	313.71	697.75

VIEWS/OBJECTIONS/SUGGESTIONS

147. The main relevant views, objections and suggestions, and the responses of the DISCOMs in respect of the projection of various costs are detailed in the following paragraphs.

148. The objections, views, and suggestions of **Sri M.VenuGopalaRao & several others**, and the responses of the DISCOMS are discussed hereunder:

Objection that the DISCOMs have been showing expenditures for implementing schemes like agricultural solar pump sets, energy efficient pump sets, DELP, etc. under other costs. It is objectionable to impose such expenditure on other consumers who are not beneficiaries of such schemes. This issue has been brought to the notice repeatedly that the beneficiaries are the consumers for whom such schemes are implemented and/or the GoAP by virtue of the reduction of the requirement of subsidy due to energy saved, especially, in the case of consumers subsidized, fully or partly. In other words, savings achieved on account of such measures are not being passed on to "all consumers." Though the reduction of power purchase on account of savings in energy consumption reduces the ARR of the DISCOMs, relatively, that does not bestow any benefit on consumers for whom such measures are not being implemented. Tariffs are being determined on the basis of the average cost per unit of power purchased, among other factors. Savings in power consumption by the targeted consumers do not lead to a reduction in the average cost of power purchase per unit. As such, savings on account of energy saving and energy efficiency are not, and cannot be, passed on to those consumers for whom such measures are not being implemented.

DISCOMS' Response: DISCOMS are implementing schemes like agricultural solar pump sets, energy efficient pump sets, DELP, etc as a part of Energy conservation and to reduce the burden on the System demand. The benefits of reduction in power purchase cost on account of savings in energy result in reduced ARR. Moreover, the implementation of these programs is beneficial to a large sector of consumers.

Objection that revision of ISTS charges, as explained by the DISCOMs, shows how irrationally the related regulations are being changed by CERC and how unjustifiably additional burdens are being imposed on the consumers of the DISCOMs which are availing themselves of inter-state transmission system for transmission of power to AP from outside the state. In the name of adding and maintaining spare transmission capacity to facilitate the transmission of power under inter-state short-term purchases and imposing ISTS charges annually based thereon, irrespective of the quantum of power under such short-term purchases or no short-term purchases, is inequitable. For its failures of commission and omission, the GoI is penalising the consumers of the DISCOMs by imposing ISTS charges under the deemed GNA quantum arbitrarily and irrationally. The GoI should reimburse the avoidable additional expenditure being incurred by the DISCOMs, and the GoAP should demand the GoI accordingly.

DISCOMS' Response: AP DISCOMs have already contended that the methodology adopted by the Hon'ble CERC for determining the deemed GNA quantum for the States is not in the interest of the consumers/ beneficiaries. APDISCOMS have already submitted the Objections/Suggestions regarding the deemed GNA quantum when the draft GNA regulations were notified. A request for CERC to give a one-time opportunity to all the beneficiaries to declare their GNA according to the State's demand as the historical drawal data also includes the STOA drawals which are very temporary in nature was made. Even after the objections and to the surprise of all the States, the regulation has been notified without any changes in the deemed GNA quantum for the states. The GNA quantum of AP also includes the 461.1 MW allocation from NTPC Simhadri-1 which is connected to the STU (APTRANSCO) network for which the ISTS charges are exempted vide the CERC order dated 31.03.2017 in the petition No. 291/MP/2015. Since the 461.1 MW accounts for more than 10% of the deemed GNA quantum, the financial impact is also significant. It is also gathered that not only AP, but even all the other beneficiary states were also affected due to the provisions of GNA regulation. APDISCOMS are putting its best efforts to reduce the cost of the ISTS in the interest of the consumers. Recently, a letter was addressed to the Secretary of CERC by the Spl. Chief Secretary, Energy Department, Government of AP on 12.12.2022 requesting to exempt the NTPC Simhadri-1 allocation of AP from deemed GNA and also to accord the one-time opportunity to States for declaring their GNA. The tariff of the 800KV Raigarh-Pugalur HVDC line, which was commissioned in September 2020 was approved by CERC vide the order dated 22.09.2022. It was contested by APDISCOMs during the tariff hearings of the said line that the asset is to be considered a national asset and accordingly, the tariff is to be included in the national component considering the bi-directional flow in the line from SR to WR due to increasing in RE generation in the

southern region. But, CERC has considered the tariff in the regional component. If considered in the national component, the ISTS charges would reduce significantly for all the Southern region beneficiaries. It was decided to file an appeal in APTEL against the impugned CERC tariff order dated 22.09.2022. Tamil Nadu has already filed an appeal and other SR beneficiaries are also in the process of filing separate appeals against the CERC order. If the outcome of the Appeal filed in APTEL goes in favour of the southern beneficiaries, then the ISTS charges would be reduced.

Objection that for working out revenue requirements of the DISCOMs, fixed costs that need to be paid for backing down thermal power on account of Must run NCE plants, which is shown as surplus power available as per applicable PLF/CUF of the plants concerned under PPAs in force, should also be taken into account

149. **AP Chambers Federation** has stated that Distribution costs are proposed to be increased by every DISCOM substantially i.e by almost 16% . As per MYT Tariff, escalation of the distribution, and transmission charges are proposed at 5% each year, and therefore the Commission may check prudently before acceptance.

150. FAPCCI by its own estimates and analysis estimated ARR by the DISCOMS found to be excess and on account of the same, a tariff reduction of 8 percent is to be effected instead of the tariff hike as proposed in the filings.

DISCOMS' Response: The contention cannot be agreed to for the reasons furnished to the objectors.

151. **APSEB AEEA** has stated that the Network cost has been increased to the tune of Rs. 0.48/kWh from FY 2021-22 to FY 2023-24. Further, APDISCOMs are changing all the energy meters with smart meters, changing old conductors, and taking up automation works with huge investments under the Central Govt. Revamped Distribution Sector Scheme. As of now, APDISCOMS' debts stand at approximately 60K Cr. Therefore, huge investments under the RDSS at this juncture will further increase the Network Cost, would be leading to a severe financial crisis or burdens to the consumer. The Commission may direct the DISCOMs not to make unnecessary investments and put the details of investments under the RDSS and the impact on CoS in the public domain. **That** DISCOMs are procuring some materials in huge quantities at abnormal prices. For instance, the price of the 25 KVA DTR over the last 3 years increased by 130%.. The 16KVA, 1-Ph transformer cost was Rs.48,850 in the year 2020, whereas it is Rs. 1,20,900 as per the present estimates data. Therefore, the Commission may issue instructions to the DISCOMs to procure materials at reasonable prices and required quantity to avoid tariff burden on consumers and to make the DlSCOMs financially stable.

Commission's View, Analysis, and Decision

152. After carefully examining the objections/views/suggestions and responses of the

DISCOMS as discussed above, the Commission proposes to finalise each item of ARR after a prudent check with its views wherever relevant on the points raised by the stakeholders at appropriate places as detailed in the paragraphs infra.

153. **Transmission Cost**: The Commission has examined the filings of the DISCOMS with reference to its MYT Order on Transmission tariffs for the fourth control period, and the proceedings dated 28.01.2021 of the Commission on sharing Transmission and SLDC costs between APSPDCL & APCPDCL, on Transmission costs that are shown in the ARR of each DISCOMS and found that they are in accordance with MYT Order and also in accordance with the proceedings dated 28.01.2021. Therefore, the Transmission costs as filed for each DISCOM, are approved.

154. **SLDC Cost**: The Commission has examined the filings of the DISCOMS with reference to its MYT Order on SLDC Annual Fees and Operating Charges for the fourth control period, and the proceedings dated 28.01.2021 of the Commission on sharing Transmission and SLDC costs between APSPDCL & APCPDCL, on SLDC costs that are shown in the ARR of each DISCOMS and found that there are some slight variations. The Commission also takes into account the GoAP order dated 02.12.2022 on revised NCE power-sharing capacities among the DISCOMS while finalising the SLDC costs. Accordingly, it finalises the SLDC costs as shown in the table below:

Table 59: Approved: SLDC Costs for FY 2023-24

Sl.No	Description	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	Capacity, MW	9251.51	5339.52	8286.10	22877.13
2	SLDC Annual Fee (Rs./MW/Year)	6382.27	6382.27	6382.27	6382.27
3	SLDC Annual Fee (in Rs. Cr.)	5.90	3.41	5.29	14.60
4	SLDC Charges, (Rs./MW/month)	2235.65	2235.65	2235.65	2235.65
5	SLDC Charges (in Rs. Cr.)	24.82	14.32	22.23	61.37
6	**Total SLDC Cost (in Rs. Cr.) (3+5)**	**30.72**	**17.73**	**27.52**	**75.98**

155. **Distribution Costs**: The Commission has examined the filings of the DISCOMS with reference to its MYT Order on Wheeling Tariffs for Distribution business for the fourth control period, and the proceedings dated 26.08.2020 of the Commission on sharing Distribution Costs between APSPDCL & APCPDCL, on Distribution Costs that are shown in the ARR of each DISCOMS and found that they are in accordance with MYT Order and also in accordance with the proceedings dated 26.08.2020. Therefore, the Distribution Costs as filed for each DISCOM, are approved.

156. PGCIL and ULDC Cost: The Commission has examined the actual ISTS expenses incurred by three DISCOMS together which were obtained subsequently from them as shown in the table below:

Item	CGS & IPPS	RTDA	Total
ISTS Charges actuals for FY2021-22 (Cr.)	816.6	326.4	1143.0
ISTS Charges actuals for FY2022-23 upto Dec 22 (Cr.)	887.9	88.7	976.6

The DISCOMS are bound to pay the ISTS charges as per the regulations approved by the CERC. The DISCOMS have already raised certain contentions on the regulations, and they proposed legal recourse in this regard. The determination of ISTS charges are not under the purview of this Commission. Therefore, after carefully examining the statement of the actual expenses as shown above, and the DISCOMS' submissions on the latest regulations issued by CERC, the Commission approves the ISTS & ULDC expenses as shown in the table below:

Table 60 : Approved: PGCIL and ULDC Charges for FY 2023-24

Sl.No	Item	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	PGCIL Expenses (Cr.)	606.6	350.1	543.3	**1,500.00**
2	ULDC Charges (Cr.)	1.28	0.74	1.15	**3.17**

Further, the DISCOMS shall examine the feasibility of evacuating its share of power from Thermal Power Tech (SEIL P1) through the STU network under execution for evacuation of power to the DISCOMS from SEIL (P2). The feasibility report shall be submitted to the Commission within 45 days from the date of release of this order for passing appropriate directions in this regard, as it may reduce the ISTS charges burden to some extent.

157. The Power Purchase Costs: As detailed in chapter IV of this order, the power purchase costs approved by the Commission for FY 2023-24 are shown in the table below:

Sl. No	Item	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	Power Purchase Cost (Rs. Cr.)	12327.55	7297.88	12695.73	**32321.16**

As regards the contention of one of the stakeholders that for working out revenue requirements of the DISCOMs, fixed costs need to be paid for backing down thermal

power on account of Must run NCE plants need to be included, all those costs are already subsumed in the estimation of fixed costs, and there is no separate backing down cost item envisaged in the ARR as per regulations in vogue.

158. Additional interest on pension bonds: The Commission has examined these costs with reference to its approval of APGENCO's tariffs MYT order for the fourth control period, and found that they are in accordance with it. Hence, the Additional interest on pension bonds as filed by the DISCOMS is accordingly approved.

159. Interest on Consumer Security Deposits (ICSD): As per Clause 7.1 of APERC (Security Deposit Code) Regulation, 2004 (Regulation No. 6 of 2004), the licensees shall pay interest on the security deposit of a consumer at the bank rate notified by the Reserve Bank of India, provided that the Commission may specify a higher rate of interest from time to time by notification in the official gazette. Accordingly, the Commission has recomputed the ICSD amounts for three licensees for the FY2021-22 at the interest rate of 6.15 % as published in the RBI Bulletin, of January 2023 even though APEPDCL and APCPDCL showed the lesser rate of interest. The approved interests on consumer security deposits along with computations are shown in the table below:

Table 61: Approved: Interest Cost on Consumer Security Deposits for FY2023-24

(Rs. Cr.)

Sl. No.	Particulars	SPDCL	CPDCL	EPDCL	TOTAL for three DISCOMS
1	Opening Balance	2105.98	1487.58	2438.95	6032.51
2	Additions during the Year	282.20	163.02	230.74	675.96
3	Deductions during the Year	56.44	22.99	34.01	113.44
4	Closing Balance (1+2-3)	2331.74	1627.61	2635.68	6595.03
5	Average Balance ((1+4)/2)	2218.86	1557.60	2537.32	6313.77
6	Interest @ % p.a.	6.15	6.15	6.15	6.15
7	**Interest Cost (5x6)**	136.46	**95.79**	**156.04**	**388.30**

160. Supply Margin on Retail Supply Business: As per the provisions of APERC Regulation 4 of 2005, the DISCOMs are eligible to claim a return of 16% on the equity portion of the annual RRB approved for the Distribution and Retail Supply business. The Commission, while approving the distribution cost, has already allowed 14% return on the equity portion of the annual RRB vide its Order on Wheeling Tariffs for Distribution business for the 4th Control Period. Hence, the DISCOMs are now entitled to the balance of a 2% return on the equity portion of the annual RRB approved. Accordingly, the Commission has verified their claim and found that it is in accordance with the Commission's computations, and hence the supply margin as

filed by the DISCOMs is accepted.

161. **Other Costs**: The Commission has finalized other costs as detailed below:

- **Provision towards Installation of solar and energy efficient agricultural pump sets:** The main expense under other costs claimed by the DISCOMS are payment of principal & interest amounts for already completed energy conservation and energy efficiency projects such as replacement of conventional pump sets with energy efficient pump sets, installation of solar pump sets and DELP projects, etc. All these projects have been approved by the Commission after consultation with all stakeholders. Any savings on account of these projects will be shared by all the consumers and accordingly the Commission has been allowing the same in ARR of respective DISCOMS over the years. One of the stakeholders repeatedly raised objections to this issue in spite of the clear view expressed by the Commission in earlier orders. Further, as long as there is no tariff hike and the government is bearing the total revenue gap arrived at by the Commission, all these expenses have been borne by the Govt. indirectly as intended by him. Therefore, the Commission approves the expenses as filed with regard to EE & EC projects.
- **Provision towards Reserve fund**: After examining the actual amounts that are available (as per the details furnished by the DISCOMs) in the Reserve Funds of the licensees which are meant for payment of compensation to the victims of electrical accidents, the Commission approves amounts as filed by the DISCOMS for maintaining the reserve fund at desired levels specified by the Commission. The Commission has been giving priority to the matter of the payment of compensation and accordingly, the DISCOMS shall pay the compensation to the eligible persons expeditiously without inviting further directions in this regard, and reduce the number of accidents on top priority following the various directions given in earlier orders.
- **Grants to APSEEDCO**: The provision of Rs.3 Cr grant to APSEEDCO in the ARR of the DISCOMs was made by this Commission pursuant to the request of the GoAP and acceptance of the DISCOMs for the same as explained at Paras 339 to 341 of Retail Supply Tariff Order for FY2019-20. Accordingly, the Commission has been allowing grants to APSEEDCO every financial year. As there is no letter from APSEEDCO on the utilisation of funds and balance requirement, the Commission does not find any justification to allow a fresh grant to APSEEDCO. However, if any proposal is received from APSEEDCO, the Commission will give suitable directions based on merits.

162. **Financial impacts on account of differential Tariff for 220KV consumers for FY2018-19 (as per orders in OP.No.60 of 2017)**: All three Distribution licensees i.e; APSPDCL, APEPDCL, and APCPDCL were directed to give effect to the revised tariffs for FY 2018-19 at 220 kV voltage level by the Commission's Order dated 16.08.2022

and also given liberty to claim any revenue loss on account of the said revision, in the ARR for Retail Supply Tariff for FY2023-24. Accordingly, they claimed financial impact. Therefore, the same is approved as filed. The APCPDCL has claimed safety expenses of Rs.0.39 Cr. without any substantiation and therefore the same is not accepted.

Accordingly, the Commission approves other costs as shown below:

Table 62: Approved: Other Costs for FY 2023-24 (Rs. Cr.)

Sl. No.	Particulars	SPDCL	CPDCL	EPDCL	TOTAL for three DISCOMS
1	Agricultural Solar Pumpsets	19.20	0.00	15.26	**34.46**
2	Energy Efficient Pumpsets	30.90	0.00	12.21	**43.11**
3	DELP	0.00	0.00	2.65	**2.65**
4	Compensation to the victims of electrical accidents	10.00	4.00	10.00	**24.00**
5	Financial impact on account of differential Tariff for 220KV consumers for FY 2018-19 (as per orders in OP.No.60 of 2017)	7.06	0.00	8.94	**16.00**
6	**Total**	**67.16**	**4.00**	**49.06**	**120.22**

163. Based on the above discussion, the Commission approves the ARR for FY2023-24 as shown in the table below:

Table 63: Approved: ARR for FY 2023-24 (Rs. Cr.)

Sl. No	Item	SPDCL	CPDCL	EPDCL	TOTAL for three DISCOMS
1	Transmission Cost	1415.79	817.08	1163.96	**3396.83**
2	SLDC Cost	30.72	17.73	27.52	**75.98**
3	Distribution Cost	4414.29	2578.15	3351.66	**10344.10**
4	PGCIL Expenses	606.60	350.10	543.30	**1500.00**
5	ULDC Charges	1.28	0.74	1.15	**3.17**
6	**Network and SLDC Cost (1+2+3+4+5)**	**6468.68**	**3763.81**	**5087.59**	**15320.08**
7	Power Purchase Cost	12327.55	7297.88	12695.73	32321.16
8	Interest on consumer security deposits	136.46	95.79	156.04	388.30
9	Supply Margin in Retail Supply Business	45.04	25.99	26.48	97.51
10	Other Costs	67.16	4.00	49.06	120.22
11	Additional Interest on Pension bonds as per APGenco Order*	412.53	238.09	369.48	1020.10
12	**Supply Cost (7+8+9+10+11)**	**12988.74**	**7661.75**	**13296.79**	**33947.29**
13	**Aggregate Revenue Requirement (6+12)**	**19457.42**	**11425.56**	**18384.39**	**49267.37**

164. The comparison between the ARR filed and ARR approved, for the three DISCOMs is shown in the table below:

Table 64 : Filing & Approved: ARR for FY2023-24 (Rs. Cr.)

ARR TOTAL for three DISCOMS together (Cr.) for FY 2023-24				
Sl. No.	**Item**	**Filings with revised PP cost (a)**	**Approved (b)**	**Difference (a)-(b)**
1	Transmission Cost	3396.83	3396.83	0.00
2	SLDC Cost	76.39	75.98	0.42
3	Distribution Cost	10344.10	10344.10	0.00
4	PGCIL Expenses	1698.54	1500.00	198.54
5	ULDC Charges	3.17	3.17	0.00
6	**Network and SLDC Cost (1+2+3+4+5)**	**15519.04**	**15320.08**	198.96
7	Power Purchase Cost	34763.50	32321.16	2442.34
8	Interest on consumer security deposits	368.93	388.30	-19.37
9	Supply Margin in Retail Supply Business	97.51	97.51	0.00
10	Other Costs	123.88	120.22	3.66
11	Additional Interest on Pension bonds as per AP Genco Order*	1020.10	1020.10	0.00
12	**Supply Cost (7+8+9+10+11)**	36373.92	33947.29	2426.63
13	**Aggregate Revenue Requirement (6+12)**	**51892.96**	**49267.37**	**2625.59**

165. FAPCCI and others have on their own assessment proposed the reduction of the following main costs/cross subsidies from the ARR filed by the DISCOMs.

Particulars	**APSPDCL**	**APCPDCL**	**APEPDCL**
PP Cost (Rs. Cr.)	153	99	175
Additional subsidy from GoAP on account of Cross subsidies to various consumer (Rs. Cr.)	1585	1113	1759

The above costs/cross subsidies have been prudently assessed by the Commission while finalising the costs in Chapter-IV-Power Purchase Costs, and Chapter-VII – Revenue & Revenue Gap.

166. With regards to the concerns raised by one of the stakeholders on investments being made by the DISCOMS under RDSS and cost of material procurement, as the objection was received by the Commission after the due date specified for calling objections on the filings, the DISCOMS's views could not be received. After careful examination, the Commission approved RDSS Schemes with necessary modifications.

CHAPTER - VI

COST OF SERVICE

Introduction

167. The Commission, in this chapter, proposes to compute the indicative Cost of Service (CoS) for different- voltage levels for each licensee based on the ARR determined for FY2023-24 after considering the views/objections/suggestions of the stakeholders in this regard.

DISCOMS' Filings

168. In accordance with the Commission's methodology for estimating the Cost of Service for the last few years, the DISCOMS have estimated the Cost of Service at different voltages as given below:

Table 65 : Filings – Cost of Service for FY 2023-24 (Rs./ Unit)

Sl. No.	Particulars	SPDCL	CPDCL	EPDCL	Three licensees together
1	For LT Level	8.26	8.11	7.57	7.98
2	For 11kV Level	7.84	7.81	7.23	7.59
3	For 33 kV Level	7.58	7.56	7.01	7.36
4	For 132 kV Level and above	7.34	7.32	6.78	7.04
5	**Average cost of service (ACoS) of the Company**	7.94	7.96	7.25	7.68

Objections/suggestions/views

169. **FAPCCI & Others** have stated that the Licensees have not worked out the category-wise CoS of consumers. Rather, it has merely depicted the CoS at the broad level for LT, HT-11 kV, HT-33 kV, and HT-132 kV classes. These numbers do not serve any purpose and will not help either in the fixation of tariffs or in laying down a roadmap for a reduction in cross-subsidy. It is also seen that AP discoms have deviated from the claim of trying to design tariffs within the ±20% range of the average cost of supply. As per the provisions of the Electricity Act and Tariff Policy, the subsidising consumers such as industrial consumers cannot be penalised, for making good the cost, to be recovered from the subsidised category beyond the permissible ±20% of the average cost of supply. Any benefit which the Licensee wants to confer on the subsidised category beyond the maximum of ±20%, can and should be recovered through Government subsidy and cannot in any way be loaded to the subsidising consumers. In a catena of judgments, the Hon'ble APTEL has held that eventually, the State Commission shall gradually move from the principle of average cost of supply towards the cost of supply for each consumer category.

DISCOMS' Response: The matter is under the purview of the Commission.

Commission's view, analysis and Decision

170. The cost of service determined in this chapter is only indicative. The tariffs are to be within plus/minus 20% of the average cost of supply of the utility as per the National Tariff Policy. The DISCOMS are computing the CoS as per the methodology specified by the Commission. The Commission has been computing the CoS voltage-wise since FY 2018-19, and the reasons were clearly explained in the order passed for the said year for switching over to voltage-wise determination of CoS from the category-wise determination. Moreover, as no specific formula is specified in any statutory provision or executive instructions of any regulator in the country, the Commission has been computing a common average cost of service for all the categories of consumers at each voltage level, and for the licensee as a whole. Further, there is no tariff hike proposed by the DISCOMS except for Energy Intensive Industries whose tariff is less than the cost of service over the years. With the increase in the Cost of Service and no tariff hike, the subsidy that is required in respect of subsidised categories is borne by the Government. Thus loading of extra cross-subsidy on the subsidising consumers does not arise.

171. For FY2023-24 as was done in the earlier years, the computation of cost of service (CoS) is done as detailed below:

A. The gross energy sales, losses percentage, and Power purchase requirement have been determined and approved by the Commission vide Chapter III. For ready reference, the sales, losses voltage-wise, and power purchase requirement, for each licensee, and three licensees together, are reproduced below:

Table 66 : Approved Energy Sales for FY2023-24 (MU)

Particulars	APSPDCL	APCPDCL	APEPDCL	Three licensees together
Sales at LT Level	15,021.30	10,778.85	13,907.88	39,708.03
Sales at 11kV Level	1,989.72	1,571.73	2,472.09	6,033.54
Sales at 33 kV Level	2,853.18	1,650.95	2,831.16	7,335.29
Sales at 132 kV	5,973.49	1,058.51	7,781.37	14,813.36
Total Sales	**25,837.68**	**15,060.04**	**26,992.49**	**67,890.21**

Table 67 : Approved T&D Losses for FY2023-24

Particulars	APSPDCL	APCPDCL	APEPDCL	Three licensees together
T&D Loss for LT Sales	12.57%	12.21%	12.09%	12.31%
T&D Loss for 11 kV Sales	8.80%	8.80%	8.50%	8.68%
T&D Loss for 33 kV Sales	5.91%	5.91%	5.67%	5.82%
T&D Loss for 132 kV Sales and above	3.00%	3.00%	3.00%	3.00%

Table 68 : Power Purchase Requirement (PPR) at different Voltage levels for FY2023-24 (MU)

Particulars	APSPDCL	APCPDCL	APEPDCL	STATE
PPR for LT Level	17,181.79	12,277.92	15,821.22	45,280.93
PPR for 11kV Level	2,181.68	1,723.36	2,701.66	6,606.69
PPR for 33 kV Level	3,032.39	1,754.65	3,001.26	7,788.30
PPR 132 kV Level and above	6,158.23	1,091.24	8,022.03	15,271.51
Total PPR	**28,554.09**	**16,847.18**	**29,546.16**	**74,947.43**

B. The ARR determined vide Chapter V for the year FY2023-24 is apportioned in proportion to the power purchase requirement at each voltage level to the total power purchase requirement at all voltage levels to arrive at the ARR at that voltage level. The ARR costs allocated at different voltage levels in the above manner are as shown in the table below:

Table 69: ARR allocations at different voltage levels for FY2023-24 (Rs. Cr.)

Particulars	APSPDCL	APCPDCL	APEPDCL	Three licensees together
ARR allocated for LT consumers	11708.07	8326.74	9844.37	29879.19
ARR allocated for 11 kV Consumers	1486.65	1168.76	1681.04	4336.45
ARR allocated 33 kV consumers	2066.34	1189.98	1867.46	5123.78
ARR for 132 kV Level and above	4196.36	740.07	4991.51	9927.95
Total ARR	**19457.42**	**11425.56**	**18384.39**	**49267.37**

C. Based on the energy sales and the apportioned ARR at the respective voltage levels, the Cost of Service (CoS) per unit that has been arrived at for different voltage levels for FY2023-24, is shown in the Table below:

Table 70 : Approved: Cost of Service for FY2023-24 (Rs. Unit)

Particulars	APSPDCL	APCPDCL	APEPDCL	Three licensees together
CoS for LT consumers	7.79	7.73	7.08	7.52
CoS for 11 kV consumers	7.47	7.44	6.80	7.19
CoS for 33kV consumers	7.24	7.21	6.60	6.99
CoS for 132kV & above consumers	7.02	6.99	6.41	6.70
Average cost of service (ACoS)	**7.53**	**7.59**	**6.81**	**7.26**

172. A comparison of the Cost of Services (CoS) filed by the DISCOMS and that determined by the Commission is given in the Table below:

Table 71: Cost of Service: Filing and Approved for FY2023-24 (Rs. Unit)

Particulars	APSPDCL		APCPDCL		APEPDCL		Three licensees together	
	Filings	Apprd	Filings	Apprd	Filings	Apprd	Filings	Apprd
CoS for LT consumers	8.26	7.79	8.11	7.73	7.57	7.08	7.98	7.52
CoS for 11 kV consumers	7.84	7.47	7.81	7.44	7.23	6.80	7.59	7.19
CoS for 33kV consumers	7.58	7.24	7.56	7.21	7.01	6.60	7.36	6.99
CoS for 132kV & above consumers	7.34	7.02	7.32	6.99	6.78	6.41	7.04	6.70
Average cost of service (ACoS)	**7.94**	**7.53**	**7.96**	**7.59**	**7.25**	**6.81**	**7.68**	**7.26**

Average Billing Rate/Average Cost of service

173. The ratio of the Average Billing Rate (ABR) at each voltage level, and the total Average Cost of Supply (ACoS) of the licensee as computed by this Commission for the FY2023-24 for comparison of tariffs as per National Tariff Policy are shown in the Table below:

Table 72: Ratio of Average Billing Rate (ABR) per unit and Average Cost of Supply (ACoS) per Unit (Voltage wise)

Particulars	ABR Approved for FY2023-24			ACOS			ABR/ACOS (%)		
	SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL
For LT Level	3.87	4.99	4.75	7.53	7.59	6.81	51.39%	65.77%	69.68%
For 11kV Level	8.30	10.05	9.45	7.53	7.59	6.81	110.19%	132.43%	138.68%
For 33 kV Level	8.14	8.20	7.67	7.53	7.59	6.81	108.04%	108.12%	112.67%
For 132 kV Level and above	7.52	7.14	6.46	7.53	7.59	6.81	99.88%	94.07%	94.91%
Average for the licensee	**5.53**	**6.02**	**5.98**	**7.53**	**7.59**	**6.81**	**73.41%**	**79.36%**	**87.78%**

Note: The shortfall in 100% revenue recovery of ACoS is met from the subsidy provided under Section 65 of the Electricity Act, 2003 by the Government of Andhra Pradesh to "Category-I: Domestic – LT" and "Category V (A): Agriculture - LT" after adjustment of cross subsidies and other income.

174. As can be seen from the above table, the tariffs for the 33 kV and 132 kV voltage level consumers are within 120 percent of ACoS of the Licensee. The ABRs for 11 kV Consumers which are beyond 120 percent of CoS in respect of CPDCL & EPDCL are primarily due to low load factors and the higher revenue contribution from commercial consumers whose number and revenue at 33 kV and 132 kV voltage levels are negligible compared to the total consumers and revenue at those voltage levels.

175. In view of the Hon'ble APTEL's direction in the judgment dated 18.02.22 to determine separate tariffs for 132 kV and 220 kV category consumers, the Commission has obtained from APTranco the break up of the total loss percentage of APTranco network for FY 2021-22 into loss percentages at 132 kV, 220kV and 400kV voltage levels. Based on the information furnished by APTranco, the Commission has computed the indicative CoS at132 kV and 220 kV voltages levels as per the procedure adopted by the Commission in its Order dated 16.08.2022 in O.P.No 60 of 2017. The CoS of 132 kV and 220 kV consumers along with the computations are shown below:

Table 73: CoS of 132 kV and 220 kV voltage level consumers

S. No.	Particulars		132 kV Level	220 kV Level
1	Sales approved (MU)	**APSPDCL**	4536.53	1436.96
		APCPDCL	1058.51	0.00
		APEPDCL	5142.17	2639.2
2	PPR Estimated based on losses furnished by the APTransco for FY2021-22 (MU)	**APSPDCL**	4691.40	1460.57
		APCPDCL	1094.03	0.00
		APEPDCL	5320.26	2682.15
3	ARR allocation based on estimated PPR (Cr.)	**APSPDCL**	3200.09	996.28
		APCPDCL	740.07	0.00
		APEPDCL	3318.52	1672.99
4	Indicative COS (Rs/Unit)	**APSPDCL**	7.05	6.93
		APCPDCL	6.99	0.00
		APEPDCL	6.45	6.34

176. As can be seen from the above, there is a 12 & 11 paise difference in CoS between 132 kV and 220 kV voltage levels of APSPDCL & APEPDCL consumers respectively. There are no consumers in APCPDCL at 220 kV level.

CHAPTER – VII

REVENUE AND REVENUE GAP

Introduction

177. The Commission in this chapter proposes to compute the revenue gap for FY2023-24 based on the revised sales, ARR, and total revenue from all the sources, and also the subsidy true up/down adjustments resulting from the lower sales to free power categories of agricultural consumers during FY 2021-22, True-up/down of concessions granted to various categories under DBT for FY 2021-22, etc. The revenue primarily comes to DISCOMS through a) tariff income (energy, fixed/demand, minimum, and customer charges); b) non-tariff income (delayed payment of surcharge, recoveries from theft of power or other malpractices, interest on income, and other miscellaneous receipts), c) levy of Cross Subsidy, Additional Surcharges on Open Access consumers and grid support charges.

Revenue from Tariffs and Other Sources

178. The DISCOMS realise their revenue through the retail sale of electricity and other income such as cross-subsidy if any, determined by the Commission which is incidental to the main business, and such income would not be substantial.

179. The DISCOMS have computed/estimated the revenue (consumption charges and non-tariff income), for FY 2023-24 by revising the tariffs to energy-intensive industries under III (C)-HT supply consumers and on sale of energy estimated/forecasted by them. The details of revenue including non-tariff income filed by the DISCOMS category wise are shown in Annexures-10 and a summary of the same is given in the table below:

Table 74: Filings: Summary of Sales and Revenue estimated by the DISCOMS for FY2023 24

LT-Supply		Sales in MU				Revenue in Rs. Cr.			
		SPDCL	CPDCL	EPDCL	STATE	SPDCL	CPDCL	EPDCL	STATE
I	Domestic – LT	5829.69	5685.45	7106.99	18622.13	2990.50	2949.92	3360.44	9300.85
II	Commercial & Other -LT	1176.85	1120.76	1359.25	3656.86	1268.84	1179.84	1412.42	3861.10
III	Industry – LT	620.00	523.25	479.43	1622.68	530.38	453.16	412.00	1395.53
IV	Institutional -LT	811.28	335.68	446.16	1593.12	663.30	264.28	462.84	1390.43
V	Agricultural & Related – LT	7026.72	3300.18	4632.52	14959.42	360.32	531.21	926.57	1818.10
	(i) Non-Corporate Farmers	6352.85	2149.23	2446.55	10948.63	43.55	17.51	10.43	71.50
	(ii) Others	673.87	1150.95	2185.97	4010.79	316.76	513.70	916.14	1746.60
LT-Total		**15464.54**	**10965.32**	**14024.35**	**40454.21**	**5813.33**	**5378.42**	**6574.27**	**17766.02**

HT-Supply									
I	Domestic -HT	17.68	14.58	33.53	65.79	14.51	11.60	24.98	51.09
II	Commercial & Other -HT	502.46	512.23	1008.68	2023.37	556.77	562.69	1105.62	2225.08
III	Industry - HT	7117.72	3026.28	10640.38	20784.38	5679.96	2550.32	7530.63	15760.90
IV	Institutional – HT	1157.10	631.88	1169.42	2958.41	948.47	498.09	841.28	2287.84
V	Agricultural & Related-HT	1537.93	96.23	116.13	1750.28	1191.79	66.48	172.98	1431.25
	RESCO	483.47	0.00	0.00	483.47	104.14	0.00	0.00	104.14
HT-Total		**10816.36**	**4281.20**	**12968.14**	**28065.70**	**8495.64**	**3689.17**	**9675.49**	**21860.29**
Total		**26280.91**	**15246.52**	**26992.49**	**68519.92**	**14308.97**	**9067.59**	**16249.76**	**39626.31**

180. The summary of revenue requirement and revenue gap estimated by the DISCOMS for FY2023-24 as per the filings is given in the table below:

Table 75: Filings: Summary of Revenue Requirement and Revenue Gap Estimated by DISCOMS for FY2023-24 (Rs. Cr.)

S.No.	Item	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	ARR	20870.78	12140.92	19579.00	52590.70
2	Revenue from Current Tariffs	12905.98	8625.12	15189.16	36720.26
3	Non-Tariff Income	1312.10	440.23	456.67	2209.00
4	Revenue from CSS	106.18	32.57	35.18	173.93
5=(2)+(3)+(4))	Total Revenue	14324.26	9097.92	15681.01	39103.19
6= (1)-(5)	Revenue Gap at present Tariffs	6546.52	3043.00	3897.99	13487.51
7	Addl. Revenue from Proposed category/Tariff modifications	90.89	2.24	603.93	697.06
8	Addl. Revenue as per Go.Rt.No.161, dt.15-11-2021	6455.63	3040.76	3294.07	12790.46
9=(7)-[(8(+(9)]	Net Revenue Gap at proposed Tariffs	0.00	0.00	0.00	0.00

Views/Objections/Suggestions

181. The objections/views/suggestions received from various stakeholders, and the responses of the DISCOMS on the same are referred to herein:

i. **Sri M. Venugopala Rao & Others**:

The proposals lack mention of how the projected revenue gap be bridged and the gap shown is nil through Full cost Tariffs as per GO No 161 which is 'ridiculous'. Response of the GoAP as to how much subsidy it agrees to provide to which category of consumers have to be first elicited and then the tariff revision to be determined for

different categories of consumers to the extent required to bridge the determined revenue gap of the DISCOMs.

DISCOMs' Response: The APDISCOMs have filed the ARR & Tariff proposals in accordance with the directions of the Government of A.P vide G.O.Rt.No.161, dt.15-11-2021, wherein the DISCOMs have to file the tariff proposals without taking into account any Government Subsidy and the Commission was requested to notify the Government subsidy for different consumer categories as part of Annual Tariff Order from FY 2022-23 onwards. This methodology of filing was followed for FY 2022-23 and continued for FY 2023-24. The gap will be bridged with the subsidy provided by the Government.

That the following factors are to be considered while determining the revenue requirement and revenue gap of the DISCOMs and finalising RSTO.

- If the subsidy the GoAP is agreeing to provide is not sufficient to bridge the determined revenue gap of the DISCOMs, the balance revenue gap shall not be treated as a regulatory asset. The commitment of the GoAP has to be first obtained on providing subsidies in a legally binding manner. If the GoAP fails to provide the committed subsidy for the FY concerned in time, it should pay interest thereon for the delay period in tune with the interest the DISCOMs have to pay for additional borrowings arising as a result of the said failure of the GoAP.
- When true-up claims come up under FPPCA for the FY 2023-24, GoAP should provide additional subsidy proportionately to the fully subsidized consumers**.** GoAP should provide additional subsidies required for the supply of power made to partly subsidised consumers also.
- Not to determine the surplus power to be sold and the likely revenue that would accrue on account of such sale to the DISCOMs for the purpose of determining revenue requirement and revenue gap of the DISCOMs. Entering indiscriminately into long-term PPAs, especially with must-run RE units, and getting regulatory consent for the same is resulting in the availability of an abnormal surplus of 12469 MU for FY 2023-24, leading to penalising the consumers for their no-fault through the imposition of avoidable hefty burdens on them both ways - paying high-cost for must-run RE, on the one hand, and paying fixed charges for generation capacities of thermal stations backed down for purchasing the unwarranted must-run RE, on the other.

  DISCOMs' Response: The matter is under the purview of the Commission.

  That Government's subsidy needs to be categorised under different heads viz technical losses in transmission and distribution exceeding permissible limits due to deficiencies in the system, commercial losses, and inefficiency, avoidable increase in the cost of power purchase of various reasons and any other

imprudent expenditure by the power utilities.

DISCOM's Response: The matter is not under the purview of DISCOMs.

ii. **Sri K. Prabhakar Reddy & Others:** The DISCOMS have not shown how the expected revenue gap will be bridged.

DISCOM's Response: Similar response as furnished to one of the objectors on the similar objection.

iii. **Y.Kondaiah:** The **estimated** revenue gap of Rs. 13,527 Cr can be reduced if the HT meter sales and revenue collections are increased, and fixed costs are reduced. Further, he stated that energy losses can be reduced by controlling theft by appointing a sufficient number of field staff.

DISCOMS' Response: The licensees are taking all measures to improve the metered sales, and revenue collections. Further measures are being taken to curb theft and waste of energy. Also, the defective meters are being replaced. Recruitment of field staff will be done after getting approval from Govt. of AP.

iv. **Sri D. Govindaiah, Sri J Satyanarayana,** and **G.L, Narasimhulu:** The total revenue gap projected for FY 2023-24 shall be borne by the government in the form of a subsidy.

v. **Sri Uppuganti Bhaskar Rao**: The Govt. shall provide the required budgetary support to clear the Dues to the DISCOMs.

vi. **Sri V.Krishnaiah:** The DBT arrangement would affect the interests of the hitherto subsidised consumers. It will complicate the entire process and increase the work burden of the distribution licensees and the State Government. If the Govt. honours its commitment to provide subsidies as agreed by it, under the present arrangement of factoring the same in the tariffs and providing to the Discoms directly, there will be no problem and there will be no need for the DBT scheme. If the pros and cons of the DBT system are analysed carefully, the demerits of the system outweigh its merits. For these reasons, among others, going in for the DBT system is unwarranted.

That in the case of other subsidised consumers, if their consumption exceeds, for the excess consumption, with no provision of cross-subsidy and Government subsidy, additional burdens are being imposed on them in the form of true-up claims of the Discoms.

That if cross-subsidy is discontinued as is being proposed by the GoI for free supply of power to agriculture, the entire cost will have to be borne by the GoAP as a subsidy either under the present arrangement or the proposed DBT.

DISCOMs' Response: The Govt. of AP have issued orders vide G.O.M.S. No.22, Dated: 01.09.2020, and G.O.Rt.No.68, Dated: 07.09.2020 for implementation of

the Direct Benefit Transfer scheme to farmers for providing free Agriculture Power in the State from the financial year 2021-22 under **YSR Uchita Vyavasaaya Vidyut Padhakam**. The cost of providing meters to agriculture services will be borne by the Govt. This would not affect the subsidised consumers by any means. The Govt. categorically explained the genuineness of the scheme. The DISCOMs have conducted several awareness programs among the farmer communities regarding the theme of the DBT scheme and educated them that there will be no issues in the implementation of the scheme. The entire mechanism is designed meticulously. GoAP is providing subsidies to the partly subsidised consumers (Except Agl) based on actual demand raised by the DISCOMs only and not based on approved consumption. The Commission approves the ARR filed by the DISCOMs duly taking the undertaking from the Govt. regarding subsidy amounts determined by the Commission under Section 65 of the Electricity Act, 2003. Moreover, the subsidy amounts receivable by the DISCOMs are released by the Government in time. The monthly power bills of the subsidised consumers will be arrived at based on the per unit subsidy rate determined by the Commission for DBT. Benefits due to implementation of the DBT scheme for agricultural farmers are detailed in the response furnished to one of the objectors in other chapters.

vii. **FAPCCI & Others:** The State Government provides subsidized or free power to certain classes of consumers. However, it should provide full and commensurate subsidy in such cases and shall not impose the burden on the industrial consumers through cross-subsidy/TOD rate hikes/other measures. That if the provisions of the tariff policy are complied with by the distribution licensees and the State Government, then a 100% subsidy ought to be provided by the State Government. Based on the cross-subsidy per unit shown in the RST order for FY 2022-23 in respect of the subsidized categories, the additional subsidy requirement from GoAP for FY 2023-24 (in addition to the Revenue Gap at Proposed Tariffs in the instant Petitions) has been worked out to Rs 4,458.69 Cr (APSPDCL-Rs 1,585.52 Cr, APEPDCL-Rs 1,759.44 Cr, and APCPDCL-Rs 1,113.73 Cr) on the projected sales for FY 2023-24. Therefore, the Commission may approve the above additional subsidy requirement from the GoAP and may be trued up based on the variation in the actual consumption of subsidized consumers.

DISCOMs' Response: The matter is under the purview of the APERC

viii. **Sri B. Balaram:** The Govt. should bear the revenue gap and true-up charges shall not be levied on the consumers. The dues to be paid to the DISCOMs shall be cleared and subsidy to aqua farmers shall be continued.

ix. **Sri Krishna Prasad & Smt Lakshmi Prasad:** There is no discussion on bridging the expected revenue gap of Rs.12500 Cr, extending subsidies to SC & ST consumers, and fixing smart meters to Agricultural pump sets.

x. **Sri. Ch. Narasinga Rao** has stated that the government should announce its subsidy commitment to the DISCOMs on a projected revenue deficit of Rs.12,792 Cr. There is an obligation on the government to extend subsidies to certain sections of consumers like SC/ST, Aqua, MBC, and the farmers.

Commission's View, Analysis, and Decision

182. The DISCOMS have filed ARRs with full cost recovery tariff proposals, and the Govt. representative at the end of the public hearings, has furnished a statement to the Commission regarding the commitment of the government to extend the subsidy to the various categories of consumers as promised by it in various government orders. Indeed, the Govt has communicated its willingness to bear the subsidy as determined by the Commission for the FY2023-24 vide its Letter No.2025101/ENE01-APER0MISC/3/2023-POWER-III, Date:20/03/2023. Further, the Commission proposes to determine the revenue gap without accounting for the revenue from the sale of surplus power, however, the same will be accounted for in true up/down. The subsidy was proposed to be determined only for the free power categories, concessions promised by govt to various sections, and also to maintain uniform tariffs across the State for domestic consumers due to a shortfall of cross-subsidies. No imprudent expenditure is allowed in the ARR, and therefore classifying the subsidy under different heads as mentioned in one of the objections does not arise. The Commission does not propose to create any regulatory asset as the government promised its commitment for the entire amount towards providing free power to the farmers and concessions extended to various categories during the hearings. Further, the registered consumers are obligated to pay true-up amounts if any to the DISCOMS and not to the Government. It can be seen from the filings that the metered percentage in total sales is increasing, and the T&D losses are on a downward trend over the years. Hence, the DISCOMS are performing well on these parameters. The merits/demerits of the DBT scheme formulated by the Government are not part of this proceeding while on other hand the Government and the DISCOMS are clarifying that there will not be any burden on the DISCOMS or farmers because of the implementation of DBT. There is no proposal to remove the cross-subsidies entirely as of now and they shall be progressively reduced in the manner specified by the

appropriate Commission as per the provisions of the Electricity Act,2003. The amount of cross-subsidy arrived at by one of the stakeholders (FAPCCI & Others) based on the projected sales for subsidized categories is well within the band of the (+)/(-) 20 percent of the average cost of supply incurred by the DISCOMS and therefore, there is full compliance with the National tariff Policy. The cross subsidies are meant for partly compensating the subsidised sections and therefore, the same cannot be excluded while arriving at the revenue gap which will be borne by the Government in the form of subsidy. Further, as discussed in another chapter, the industrial tariffs are at a very reasonable level compared to the many major states, and in spite of the increasing cost of supply, there is no tariff hike proposed except for energy-intensive category III(C)-HT. The government is bearing the entire revenue gap on account of the concessions to various sections and free power provided to the farmers, and hence there is no burden on the industrial consumers or any other category of consumers.

183. Accordingly, after considering all the objections and the DISCOMS' replies, the Commission has examined the revenue projected per unit for FY 2023-24 by the DISCOMS with reference to previous years as shown in the table below:

	Non-Tariff Income (ABR) Rs per unit					**Revenue Excluding Non-Tariff Income (ABR) Rs per unit**			
	SPDCL	CPDCL	EPDCL	TOTAL		SPDCL	CPDCL	EPDCL	TOTAL
2019-20	0.29	-	0.19	0.25	2019-20	4.32	-	5.03	4.59
2020-21	0.45	0.27	0.21	0.32	2020-21	4.30	4.98	5.24	4.81
2021-22	0.46	0.27	0.16	0.30	2021-22	4.42	5.11	5.33	4.93
2022-23	0.51	0.28	0.19	0.33	2022-23	5.16	5.76	6.16	5.68
2023-24 (pro.)	0.50	0.29	0.17	0.32	**2023-24 (pro.)**	4.95	5.66	5.63	5.37

After examination of the above, the Commission has appropriately increased the NTI of EPDCL and approved the revenue per unit at the tariffs approved by it in this order for the sales approved for FY 2023-24 for the three DISCOMS as shown in the table below.

Non-Tariff Income (ABR) Rs. per unit				**Revenue Excluding Non-Tariff Income (ABR) Rs. per unit**			
SPDCL	**CPDCL**	**EPDCL**	**Three DISCOMS**	**SPDCL**	**CPDCL**	**EPDCL**	**Three DISCOMS**
0.51	0.29	0.19	0.33	5.02	5.73	5.79	5.48

Based on the above, the Commission has computed the revenue. The revenue estimated by the Commission including non-tariff income for FY2023-24 is shown in Annexure - 11 and the summary of the same is given in the table below:

Table 76: Sales and Revenue computed by the Commission for FY2023-24

LT-Supply		Sales in MU				Revenue in Rs. Cr.			
		SPDCL	**CPDCL**	**EPDCL**	**STATE**	**SPDCL**	**CPDCL**	**EPDCL**	**STATE**
I	Domestic – LT	5829.69	5685.45	7106.99	18622.13	2990.50	2949.92	3367.78	9308.19
II	Commercial & Other -LT	1176.85	1120.76	1359.25	3656.86	1268.84	1179.84	1420.47	3869.15
III	Industry – LT	620.00	523.25	479.43	1622.68	530.38	453.16	414.30	1397.83
IV	Institutional -LT	811.28	335.68	446.16	1593.12	663.30	264.28	467.44	1395.03
V	Agricultural & Related – LT	6583.51	3113.71	4516.02	14213.23	360.32	531.21	930.46	1821.99
	(i) Non-Corporate Farmers	5909.63	1962.76	2330.05	10202.44	43.55	17.51	12.02	73.09
	(ii) Others	673.87	1150.95	2185.97	4010.79	316.76	513.70	918.44	1748.90
LT-Total		**15021.33**	**10778.85**	**13907.85**	**39708.02**	**5813.33**	**5378.42**	**6600.45**	**17792.20**
HT-Supply									
I	Domestic -HT	17.68	14.58	33.53	65.79	14.51	11.60	26.13	52.24
II	Commercial & Other -HT	502.46	512.23	1008.68	2023.37	556.77	562.69	1113.67	2233.13
III	Industry – HT	7117.72	3026.28	10756.88	20900.87	5649.92	2549.93	7373.27	15573.13
IV	Institutional –HT	1157.10	631.88	1169.42	2958.40	948.47	498.09	847.03	2293.58
V	Agricultural & Related-HT	1537.93	96.23	116.13	1750.29	1191.79	66.48	177.58	1435.84
	RESCO	483.47	0.00	0.00	483.47	104.14	0.00	0.00	104.14
HT-Total		**10816.35**	**4281.20**	**13084.64**	**28182.19**	**8465.60**	**3688.79**	**9537.68**	**21692.06**
Total		**25837.68**	**15060.04**	**26992.49**	**67890.21**	**14278.93**	**9067.21**	**16138.12**	**39484.26**

184. Further, as per the government statement furnished to the Commission about its intention to extend concessions to various categories under section 65 of the Electricity Act, 2003, the Commission has examined the data relating to them up to October 30, 2022, furnished in the filings which is shown below:

Sl. No.	**Name of the Scheme**	**Demand in Cr. (First half of FY2022-23)**			
		APSPDCL	**APCPDCL**	**APEPDCL**	**Total**

1	SC Subsidy under Jagjeevan jyothi scheme	120.02	95.74	76.07	291.83
2	ST Subsidy under Jagjeevan jyothi scheme	22.44	13.26	24.07	59.77
3	Incentives to Ferro Alloys	29.74	0	0	29.74
4	Incentives to aqua farmers	59.05	36.12	135.27	230.44
5	Power looms	5.68	0	0	5.68
6	Hand looms (HOW)	0.01	0.01	1.04	1.06
7	Saloons run by Nayee Brahmin (NBC)	0.1	0.03	0	0.13
8	Rolled gold covering industry	0.01	0.47	0	0.48
9	MBC consumers	0.01	**0**	0	0.01
10	Landries (Rajika Communities)	0.01	**0**	0	0.01
11	**Total**	**237.07**	**145.63**	**236.45**	**619.15**

Based on the above data, the Commission has estimated the subsidy amounts required to be included to estimate final revenue gap as shown below:

Particulars	**APSPDCL**	**APCPDCL**	**APEPDCL**	**Total**
Concessions extended to various categories of consumers and Estimated subsidy amounts for FY2023-24 (Rs. Cr.)	474.14	291.26	472.9	1238.3

185. The Commission has determined the net subsidy to be returned to GoAP by the DISCOMS for FY 2021-22 on account of lesser sales to free power categories after adjusting FPPCA in the FPPCA Order dated 01.03.203 to adjust the same while arriving at the net revenue gap in the present order. The same is shown in the table below:

Particular	**SPDCL**	**CPDCL**	**EPDCL**	**Total**
Net subsidy amount to be returned to GoAP (Rs.Cr) (5-6)	234.76	-9.34	150.57	375.98

186. Further, an amount of Rs.187.10 Cr. was determined by the Commission in its FPPCA Order dated 01.03.2023 in respect of APCPDCL to be adjusted for FY 2023-24. The same is proposed to be adjusted in the CPDCL's revenue gap projected for FY 2023-24 in the present Order.

187. Further, the Commission has trued up/down the concessions extended to various sections under DBT based on the actual details furnished for FY 2021-22 by the DISCOMS in the filings as shown in the table below:

S. No.	Particulars	SPDCL	CPDCL	EPDCL	TOTAL
1	Actual demand of DBT for FY2021-22	366.75	498.51	643.15	1508.41
2	DBT approved by APERC for FY2021-22	482.44	484.44	690.69	1657.57
(2)-(1)	True up/down	115.69	-14.07	47.54	149.16

The true up/down amounts shown in the table above are also to be adjusted for arriving at the net revenue gap for FY 2023-24.

188. Based on the above discussion, the ARR, Revenue, and Revenue gap computed by the Commission for each licensee for FY2022-23 are shown in the table below:

Table 77: Approved: Summary of ARR, Revenue Requirement and Revenue Gap determined for FY2023-24 (Rs. Cr.)

S.No.	Item	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	ARR	19457.42	11425.55	18384.39	49267.36
2	Revenue from approved Tariffs	12966.83	8626.97	15626.54	37220.34
3	Non-Tariff Income	1312.10	440.23	511.59	2263.92
4	Revenue from CSS & Grid support charges	106.18	32.57	35.18	173.93
5= (2)+(3)+(4)	Total Revenue	14385.11	9099.77	16173.30	39658.19
7= (1)-(**5**)	Revenue Gap at apprvdTariffs	5072.31	2325.78	2211.09	9609.17
8	Concessions extended to various categories of consumers for FY2023-24 (Rs. Cr.)	474.14	291.26	472.90	1238.30
9	Net subsidy amount to be returned to GoAP (Rs.Cr) as per FPPCA Order for FY 2021-22	234.76	-9.34	150.58	375.99
10	True-up to be adjusted for CPDCL as per FPPCA order dated 01.03.2023	0	187.10	0	187.10
11	DBT to be returned for FY2021-22 (True down/up)	115.69	-14.07	47.54	149.16
12=(7)+(8)-[(9)+(10)+(11)]	Net Revenue Gap at proposed Tariffs (including concessions)	5196.00	2453.35	2485.87	10135.22

189. To sum up, the revenue gap as filed by the DISCOMS and as determined by the Commission are shown in the table below.

Table 78: Filings Vs Approved: Revenue gap for FY2023-24 (Rs. Cr)

S. No.	Items	SPDCL	CPDCL	EPDCL	STATE
1	Revenue gap as filed by the DISCOMS at proposed tariffs without accounting concessions to various sections	6455.63	3040.76	3294.07	12790.46
2	Revenue gap as determined by the Commission	5196.00	2453.35	2485.87	10135.22
3	**Difference (1-2)**	1259.63	587.41	808.20	2655.24

Further, the concessions to be extended during FY 2023-24 for various sections as per the government orders have not shown in the revenue gap by the DISCOMS. Therefore, the revenue gap projected by the DISCOMS after adding concessions vis a vis the revenue gap determined by the Commission for FY 2023-24 are shown in the table below:

S. No.	Items	SPDCL	CPDCL	EPDCL	STATE
1	Revenue gap as filed by the DISCOMS at proposed tariffs after adding the concessions to be extended to various sections for FY 2023-24	6929.77	3332.024	3766.97	14028.764
2	Revenue gap as determined by the Commission	5196	2453.35	2485.87	10135.22
3	**Difference (1-2)**	1733.8	878.7	1281.1	3893.5

190. Further, the Commission in its Order dated 30.03.2022 has determined subsidy to be returned by APSPDCL and APCPDCL to GoAP as shown in the table below, and the same was already accounted for while arriving at the Revenue Gap for FY 2022-23.

FY 2019-20	**APCPDCL**	**APSPDCL**	**Total**
Agriculture Sales - Approved **MU**	3476.921	6024.279	9501.2
Agriculture Sales - Actual **MU**	3271.047	5667.573	8938.62
Difference in sales **MU**	205.874	356.706	562.58
Rate per unit **Rs.**	6.08	6.08	6.08
Subsidy to be returned to **GoAPCr**	125.171	216.878	342.049

In this regard, APCPDCL in its filings for FY 2023-24 submitted that the approved and actual agriculture sales were apportioned between APCPDCL and APSPDCL in PP ratio by the Hon'ble Commission. But the actual agricultural sales pertaining to three

districts of APCPDCL for the FY 2019-20 are 1894.54 MU. Hence, the Commission may revise the subsidies to be returned to Govt. of AP for FY 2019-20 based on actual district-wise agricultural sales and the actual agriculture sales ratio between APCPDCL & APSPDCL.

In respect of the above, APSPDCL vide its letter dated 02.03.2023 has furnished the following computation on the subsidy to be returned by APSPDCL & APCPDCL for FY2019-20

S.No.	FY2019-20	APCPDCL	APSPDCL	TOTAL
1	Agricultural Sales - Approved (MU)	2207.10	7294.10	9501.20
2	Agricultural Sales - Actuals (MU)	1895.74	7042.88	8938.62
3	Difference in Sales (MU)	311.36	251.22	562.58
4	Rate per unit (Rs./Unit) considered in the True-up order	6.08	6.08	6.08
5	Subsidy to be returned to the Govt. of AP (Rs. Cr.)	189.31	152.74	342.05

APCPDCL by letter dated 16.03.2023 has submitted computation to be considered with respect to its request in the filings. The subsidy to be returned as computed by the Commission in the order dated 30.03.2022 is shown below:

FY 2019-20	APCPDCL	APSPDCL	Total
Agriculture Sales – Approved (MU)	3476.92	6024.28	9501.20
Agriculture Sales – Actual (MU)	3271.047	5667.573	8938.62
Difference in sales (MU)	205.874	356.706	562.58
Rate per unit (Rs.)	6.08	6.08	6.08
Subsidy to be returned to the GoAP (Rs. Cr.)	125.171	216.878	342.05

To sum up, the subsidy to be returned to GoAP by APSPDCL and APCPDCL for FY2019-20 (which was already accounted in the revenue gap of FY 2022-23) as per APERC vis-a-vis versions of APSPDCL and APCPDCL are shown in the table below:

Particulars	APCPDCL	APSPDCL	TOTAL
APERC Order dated 30.03.2022 (Rs. Cr.)	125.171	216.878	342.049
APSPDCL letter dated 02.03.2023 (Rs. Cr.)	189.31	152.74	342.05
APCPDCL letter dated 16.03.2023 (Rs. Cr.)	72.543	269.506	342.049
Difference of APERC & APSPDCL (Rs. Cr.)	-64.139	64.138	0
Difference of APERC & APCPDCL (Rs. Cr.)	52.628	-52.628	0

As can be seen from the above, there is no agreement between APSPDCL and APCPDCL on the issue. The Commission has determined the subsidy allocation based on the power-sharing ratio in the absence of specific data at the time of finalisation of

the revenue gap for FY 2022-23. The data submitted now by both DISCOMS is at variance with each other. The net effect on the government is nil with only the variation in allocation between the two DISCOMS. Hence, the Commission directs that both DISCOMS shall settle the issue amicably with mutual agreement, and report the same to the Commission within one month for passing appropriate orders.

CHAPTER - VIII

REFERENCE TARIFF SCHEDULE

Introduction

191. The Commission in this Chapter, after examination of the tariff proposals submitted by the licensees for FY2023-24, stakeholders' views/objections/suggestions thereon, and other aspects such as the revenue gap, cross-subsidies, concessions to certain categories of consumers, and external subsidy availability, proposes to prepare a Reference Tariff Schedule (RTS) as a prelude to the determination of full cost tariff recovery in Chapter IX. In this Reference Tariff Schedule, the Commission has incorporated the rates/charges as deemed fit considering all relevant aspects for FY2023-24.

192. The licensees propose to continue with the same 5 main categories as approved by the Commission for FY2022-23. They stated that there is no change in the Tariffs & Terms and Conditions of other categories except HT Category III(C) Energy Incentive Industries. The tariff modifications proposed by the DISCOMS for HT Category III(C) Energy Incentive Industries are stated herein:

- Demand Charges to Energy Intensive Industry on par with HT Industry General i.e., Rs.475 per KVA per month as against NIL demand charges now.
- The ToD Charges to the Energy Intensive category are on par with HT Industry General, and ToD tariffs are not applicable to these industries at present.
- The Guaranteed Consumption @ 85% Load Factor, a fresh condition

  The reasons given by the DISCOMS in support of the above modifications are already discussed in Chapter I.

Objections/Suggestions/Views

193. Several objections, views, and suggestions have been received from various stakeholders in respect of tariff proposals of the DISCOMS. The main and relevant objections, views, and suggestions, and the responses of the DISCOMS on the same are detailed in the following paragraphs.

194. The objections on tariff hikes to the energy-intensive industries are referred to herein:

(i) **FAPCCI & Others:**

The tariff hike/changes proposed by the DISCOMs for HT-III (C) Energy Intensive Industries category especially affecting the Ferro Alloy Industries is to be disallowed due to the following reasons:

A. The National Steel Policy mandates that incentives be provided to Ferro Alloy and Steel Industries in the form of affordable electricity
B. Exemption from the Electricity Duty
C. Unreasonable imposition of Demand Charges

D. Unreasonable Deemed Energy Consumption Clause
E. Unjust application of TOD Charges
F. Provision of Open Access

(ii) A.P. Ferro Alloy Producers Association. and Sri P. Vijay Gopal Reddy:

Without taking into cognizance the very high load factor of over 85% as against 20-30 % in the general industrial category, it is inappropriate and highly damaging to introduce demand charges in respect of Energy Intensive Industries. In fact, a back-of-hand calculation will reveal that on a per MVA operation basis, the Revenue accrued to DISCOMs from Energy Intensive Consumers at existing single-part tariff exceeds the realization from an HT Industrial Consumer paying demand charges, TOD charges, etc with a load factor of about 60% indicates that imposition of Demand Charges are superfluous, unwarranted and penal in nature. Hence this proposal should be dropped.

That TOD Charges are basically levied for Demand-side Management and not for revenue. In the case of Ferro Alloy Industries, the load is near flat load operating 24 x 7 and 365 days and being inelastic in nature as it involves huge heat loss in case of switching on and off. As this type of load cannot be manipulated, and since the constant load is beneficial to grid management, TOD Charges shall not be levied.

That Deemed Energy Consumption charges on an annual basis had proved highly damaging to this Sector as the units were forced to operate incurring losses to avoid hefty penal charges despite unfavorable market conditions in typical cyclic markets. Whereas the high load factor is the intrinsic characteristic of this Sector, it is only in periods of non-viability or technical breakdowns that the load factor is impeded. Keeping in view the damages suffered by the Industry, this clause was repealed in all wisdom by APERC following the recommendation of the Group of Ministers (GOM) constituted for the revival of Ferro Alloy Industries in the State. Hence, restoring Deemed Energy Consumption Charges is highly damaging to the Sector's health and counterproductive to the State Economy and hence should be dropped.

DISCOMs' Response: As the consumers in this category are allowed to avail of open access/market purchases, the DISCOMs have no recourse to the recovery of fixed charges incurred. Hence levy of demand charges is justified. As concessional tariff is extended to the energy-intensive industries, the restoration of deemed energy consumption charges is justified, and ToD charges are proposed to be applicable on par with industrial general.

(iii) Electro Steel Castings Ltd:

Power is one of the raw materials for this industry and power constitutes 40 to 50% of the total cost of manufacturing ferroalloy products. As regards guaranteed consumption at 85% of the load factor, this kind of load factor is not achieved even during good times in the industry. Currently, after the imposition of electricity duty at the rate of Rs.1 per unit, the industry is operating at 40 -50% of its capacity. This condition is illegal, discriminatory, and impossible to achieve and should be withdrawn. The Tariff change for energy-intensive industries shall be looked into as per the spirit of the National Tariff Policy.

APSPDCL's Response: The DISCOM reasons for the proposed tariff for the energy-intensive industry are stated in the ARR petition and the proposed tariff is justified.

(iv) AP Chambers Federation:

The Energy-intensive industries like ferroalloys shall be continued with last year's tariff by inhibiting the open access power if they want to have old tariffs.

(v) Sri J T Rama Rao during the hearings:

The Tariff hike for ferroalloys needs to be considered keeping in view its employment in backward north Andhra.

(vi) Sri. Kandarapu Murali during the hearings:

The Ferro Alloys industry should be exempted from tariff hike.

(vii) Sri B.Tulasi Das during the hearings:

The Commission should take a decision in amicable manner such that the Industry in the backward area should not get affected as well DISCOMs infrastructure utilized.

(viii) Sri. Ch. Narasinga Rao has stated that the proposed Tariff hike of Rs 1.40 per unit to the Ferroalloys Industry may badly affect, and lead to the closure of the industry in the State. The Ferro Alloys industry is located only in the agriculturally, industrially, and backward north coastal Andhra districts viz Srikakulam, Vizianagaram, and Visakhapatnam due to the availability of raw material in the surrounding villages of Garividi and nearby Odisha state. There are nearly 25000 workers dependent on this Industry in north coastal Andhra for their livelihood. It is basically a power-intensive industry surviving only on concessional tariffs extended by the government for so many years. Earlier in the year FY 2012-13, a tariff of Rs 1 per unit was increased for this industry, but the government withdrew the same due to the stiff objection. In this background, the Commission may not increase tariffs in any form on the Ferro Alloys industry.

195. The objections on tariff difference between 33kV and 132 kV consumers are referred to herein:

(i) **FAPCCI & Others:**

To promote a level playing field for industries, although the DISCOMs have not sought a tariff revision, the existing retail energy charges may be modified so that the gap between applicable energy charges for 33 kV and 132 kV is reduced to the lowest possible levels in proportion to the difference in their cost of supply alternatively with a unified tariff for HT industrial categories and may propose some rebate based on the voltage of the supply in line with the Central Government's suggestions to reduce the number of tariff categories and promote ease of doing business in the State.

(ii) A.P.Ferro Alloy Producers Association, Sri P. Vijay Gopal Reddy, Andhra Pradesh Chambers of Commerce and Industry, AP Chambers Federation:

The Voltage level Tariffs are not aligned with their respective Cost of Service, this disparity was brought to the notice of the Commission repeatedly. While the difference between the COS of 132 KV and 33 KV is about 20 Paise, the Tariff difference is 45 Paise. In most other States in the Country like Karnataka and Tamilnadu the difference is only a few Paise. Such an adverse treatment of the smaller consumers is not only irrational but goes against the principles of natural Justice.

DISCOM's Response: The COS at 33 KV & 132 KV in APSPDCL, APEPDCL, and APCPDCL are shown in the below table.

DISCOM	**COS at Voltage level (Rs/Unit)**			
	33 KV	**132 KV**	**COS difference**	**Tariff difference**
APEPDCL	7.01	6.78	0.23	0.45
APCPDCL	7.56	7.32	0.24	0.45
APSPDCL	7.58	7.34	0.24	0.45

As could be seen from the above table, the COS difference between 33 KV and 132 KV voltage levels is Rs. 0.24 per unit. Rs 0.23 per unit and Rs 0.24 per unit in APSPDCL, APEPDCL, and APCPDCL respectively. In view of the COS difference ranging from Rs 0.23 to 0.25 per Unit, the difference in Tariff of Rs.0.45 per unit is reasonable.

196. The requests for tariffs to mobile towers to be as per the Industrial category are referred to herein:

(i) Reliance Jio Infocomm Limited, Bharti Airtel Ltd, Cellular Operators Association of India (COAI):

Telecom Industry electricity tariff may kindly be placed under Industrial tariffs rather than applying the commercial rates to bring the tariff on par with the IT services and other industries keeping in view the Government of Andhra Pradesh IT Policy, 2021-2024, vide GO.MS.No.06, dated 16-07-2021 which has allowed the IT companies operating in Andhra Pradesh to pay industrial tariffs for their power consumption. 24x7 Telecom Connectivity is essential, and a prerequisite for seamless IT operations. Therefore, the telecom network is also an integral part of the IT ecosystem. The Bharti Airtel & CoAI referred to in addition to the IT policy of GoAP, MERC tariff schedule, FoIR working group recommendations, and TRAI recommendation in support of its request.

(ii) Digital Infrastructure Providers Association (DIPA):

The Electricity (Rights of Consumers) Rules, 2020 and the 2022 amendment from the Ministry of Power, AP IT policy FY21-24 as well as the Recommendations of the Working Group to the FOIR on "Cross-Sector Collaborative Regulation between Telecom Regulators and Electricity Regulators," outline that agencies and distribution companies should provide timely electricity connections with smart meters and industrial/utility category tariffs to the telecom industry. The Maharashtra State Electricity Regulatory Commission (MSERC) after considering the IT/lTeS policy of the Government of Maharashtra specifically categorised Telecommunication Towers in the Industry Tariff vide its order dated 30.03.2020 in Case No. 322 of 2019.

That the TRAI has suggested in a report that telecom sites should be given access to electricity at industrial or utility tariffs. The report, titled "Recommendations on Use of Street Furniture for Small Cell and Aerial Fiber Deployment" and dated November 29, 2022.

(iii) Indus Towers Limited:

The tariffs for consumers with flat load profiles and high power factors requiring electricity on a continuous basis be considered separately. Refer to the APTEL decisions (MERC Vs. Mumbai Airport and Tata Steel Vs OERC) for tariff Rationalization to be taken as a guiding factor in the tariff determination process and tariffs for the telecom consumers to be reduced. **To** consider classifying telecom towers under s separate sub-category of commercial/industry taking a cue from Section 62(3) of the Electricity Act 2003, with a suitable relaxation in the applicable tariff given the socially favorable nature of the telecom industry and the nearly flat load profile which leads a lower cost to service for such consumers.

DISCOMs' Response: The Telecom sector is a service provider, and collects tariffs from the people for the services provided. This activity is to be categorized as commercial only. The applicability of industrial tariff may not be appropriate as it is for manufacturing, processing, and/or preserving goods for sale and not for any other activity. Hence, the stakeholder's suggestion for placing the Telecom sector under the Industrial category instead of the Commercial is not justified.

(iv) Indus Towers Limited's other suggestions on tariffs for mobile towers:

That Time of Day scheme of the state should be redesigned with a view to incentivize consumers to come on board willingly and request consideration for coverage of mobile towers under a redesigned TOD tariff scheme in the state and that the TOD tariff be made applicable on telecom towers also for willing consumers.

DISCOMs' Response: As the load profile of the mobile towers is flat with high power factor requiring electricity on a continuous basis, the request for applicability of ToD tariff to the mobile towers is not acceptable.

That to consider the proposal of installation of AMR meters and roll out of consolidated billing for large consumers with multiple connections. Such a measure would drive the efficiency of the Discoms by way of savings in meter reading and billing costs while also ensuring accuracy. For consumers such as Indus Towers operating telecom towers, each of which is billed separately, implementation of consolidated billing and AMR would be greatly beneficial.

DISCOMs' Response: The smart meters will be installed as part of the RDSS scheme for consumers. The implementation of consolidated billing will be examined.

Digital Infrastructure Providers Association (DIPA) has also submitted that the telecom infrastructure providers shall be allowed to electrify towers using their own capital expenditure to save costs. Also requested for facilitating priority connections with smart meters for the telecom industry, a single bill system per company against multiple connections of one Telecom Infrastructure provider over the billing cycle, distribution of bills via email, and enabling online bill payment.

197. The objections on grid support charges are referred to herein:

(i) Electro Steel Castings Ltd:

The Grid support charges shall not be levied on captive units keeping in view the phrase "Connected to Grid" in regulation 5 of 2022. *For the purpose of these Regulations "Connected to the Grid" shall mean that the captive generating plant is connected with the network of the Distribution licensee or the Transmission Licensee, as the case may be, and is being operated in parallel with the network"*

That Electro Steel Castings is generating around 17 MW power through waste heat recovery and are consuming the said power for captive use within the same premises. Its Waste Heat Recovery power plant is not connected to the network of the Distribution Licensee or the Transmission Licensee and hence the grid support charges are not applicable to it. Thus levy of grid support charges may be discontinued forthwith.

APSPDCL's Reply: That the waste heat recovery plant is synchronized to the grid through a potential stepped-down power transformer. Hence grid support charges are applicable to the consumer.

(ii) AP Chambers Federation:

For FY 2022-23, Grid support charges were collected at Rs 25/- per KW. As per OP.No.1 of 1999, Grid Support Charges are implemented for co-located generation plants in which demand advantage arrives by the generator. Whereas open access captive consumers of wind, Solar, and Hydel are not co-located and are paying transmission charges, wheeling charges, bearing net work losses along with energy consumption charges for the auxiliary load. This NC generator's plant load factor is 17 % to 25% depending on the variation in the environmental conditions. The transmission and wheeling tariff have been determined to recover the entire ARR. So with the already paid grid support charges further levy amounts to double payment for the services rendered by DISCOMS. Hence, Grid Support charges shall not be levied for Non-conventional units.

(iii) Anrak Aluminium Limited:

The Grid supporting charges are levied on the total installed capacity for any conventional Generator or Co-gen power plant. In the present scenario, most industries are not generating installed capacity due to financial aspects and hurdles. Hence look into the matter grid support charges may not be levied on idle units in the installed capacity and levy only on the operational capacity & true-up charges for past financial years may be given up.

(iv) Sri N. Nagendra Prasad:

The Grid support charges at Rs 15 per KW are being levied on the solar generators. The details of the infrastructure developed by APCPDCL exclusively for the solar generators may be given, and the recurring cost incurred for the same and cost calculation for justifying these charges. That net metering was denied from the bill dated 04.01.2023 and billing was done separately for the Export and Import of energy with ad-hoc compensating charges for the solar energy Exported. APCPDCL shall comply with the Regulations in force for net metering, and APCPDCL did not reply to the issues raised in a letter dated 09.01.2023, and net metering is not restored for his

solar installation. The Energy charges have been escalated for Import energy while reducing the Export solar tariff.

198. The objections on Electricity Duty & kVAh billing are referred to herein:

(i) A.P.Ferro Alloy Producers Association and Sri P. Vijay Gopal Reddy:

The imposition of Electricity Duty in the current year at a hefty level of one rupee has badly dented the viability of this Industry. In fact in 2003, when the Separate Category was carved out for Ferro Alloy Industries, payment of Electricity Duty was totally exempted. It was only in the year 2013, after a decade of stabilisation, Electricity Duty at a meager level of 6 paise per unit was introduced. In view of the levy of unreasonably high level of Electricity Duty at Rs 1 per unit on all consumers uniformly irrespective of their load factor, Power Intensive, and Power Cost-sensitive nature, the Commission may advise the State Government to exempt the ferroalloys from an increase in Electricity Duty.

APEPDCL's Response: Levy of electricity duty is as per G.O.Ms. No.7, dated 08-04-2022.

(ii) Grasim Industries Limited:

The additional Electricity duty, which had been increased from 6 paise to 100 paise per unit, may be waived off as it has a major impact on the cost of the product manufactured.

(iii) Anrak Aluminium Limited:

In recent times electricity duty charges were drastically increased from 6 paise per unit to 1 rupee per unit which is almost 17 times, and the same needs review and revision accordingly.

(iv) Sri H. Venkataram Reddy:

The high electricity duty is a burden on Ginning and pressing units in Adoni, Kurnool District.

(v) Sri Meesala Basava Punnaiah:

Electricity duty had been enhanced from Rs. 0.06 6 to Rs.1 per unit.

DISCOMS' Response: The Electricity Duty Charges are being levied as per the Andhra Pradesh Electricity Duty Act, 1939. As per G.O.Ms.No.7 dated 08.04.2022, Energy (POWER-III) Department. ED of Rs.1.00 per Unit is levied on energy sales for the Commercial & Industrial Consumers and Rs. 0.06 per unit for domestic consumers. Agriculture consumers are exempted from the levy of Electricity duty.

(vi) Powerloom Weaving Workers Union & Sri Kandharapu Murali during the hearings

Requested relief on electricity duty and kVAh billing for power looms.

(vii) Sri P.S.Ellappan:

There is a huge difference in billing units due to billing of flour mill service as per KVAh reading instead of KWh method leading to issue of high electricity bills for one year. Earlier the E.D. charge was in paise, but now it is Rs.1 per unit which is very high. Therefore, KWh billing may be restored for flour mills.

(viii) Mass Objections from the consumers of individual Power Looms:

Pleaded for a category change from Cat III D to Cat IV to get exempted from high electricity duty and also to bill them under kWh instead of KVAh.

199. The objections/views/suggestions on ToD charges are referred to herein:

(i) Electro Steel Castings Ltd:

The continuous process manufacturing industry requires power equally throughout the day. It is not possible to plan the operation of the plant based on the ToD tariff. Therefore, the ToD tariff should not be made applicable to the continuous process industry.

APSPDCL's Response: The suggestion that the ToD tariff should not be made applicable to the continuous process industry is not justified in view of the availability of NCE power, market prices differential between peak and off-peak periods, etc.

(ii) Andhra Sugars ltd:

The prevailing ToD charges for both Peak & Off-Peak Periods Consumption in High Grid & Low Grid Demand Months may be reviewed and suitable orders issued either removing ToD charges totally or continuing with the earlier Tariff Order Rates of the Financial Year 2021-22.

APEPDCL's Response: The ToD charges are intended to bring in Grid Discipline in the usage of power during the peak load time in order to bring down to a flat load curve. Otherwise, there will be a severe strain on the Grid during peak time when all loads are incident during that period causing the operation of the Grid critical. This also avoids the purchase of power if any, at a higher rate for that shorter period to meet the undue demand which in turn increases power purchase cost and is a burden on the consumers. Thus, it may be noted that ToD is not intended for severe shortage periods alone. With a view to incentivize Industrial consumption during the Day time which coincides with cheaper power availability from different sources, to cover General Shift industrial consumers, the AP DISCOMs have worked out a season (High Grid Demand / Low Grid Demand) based ToD system which is expected to increase the Industrial Consumption. These ToD time slots and incentives/disincentives were worked out based on the Industrial Load patterns across different Voltages, the trend

of Exchange Prices during high demand season & Low Demand season, encouraging industrial consumption during daytime during surplus solar power availability / lower market prices availability. Maintaining Grid discipline in the use of power supply with respect to Demand & Supply is the responsibility of DISCOM.

(iii) Andhra Pradesh Chambers of Commerce and Industry, and AP Chambers Federation:

The Commission may consider the TOD charges in off-peak and peak periods as uniform.

DISCOMs' Response: The new ToD charges were introduced last year for industrial consumption during off-peak periods (10.00-15.00hrs.) as an incentive. ToD charges are not applicable to the LT industrial category. The suggestion to make the peak and off-peak charges equal is not justified in view of factors such as availability of NCE/REpower, Market rate difference for peak and off-peak in case of shortfall in available sources, etc.

(iv) Grasim Industries Limited:

The peak hour tariff charges may be maintained at the same level i.e, at Rs.l per unit for both during high and low grid demand months, because of the constant demand for power across the year. Also reinstate the off-peak hour tariff unit incentive from Rs.0.75- to Rs.l per unit, as it was previously provided, because of the constant load requirement across 24 hours for the day. The withdrawal of the 25 paisa incentive has a major impact on the power cost.

200. The objections/views/suggestions on penal charges for exceeding CMD are referred to herein:

(i) Electro Steel Castings Ltd:

The penal charges proposed for exceeding CMD are too high in AP in comparison to other states. The Commission may rationalize the penal charges for exceeding CMD.

APSPDCL's Response: The penal charges are essential to deter consumers to exceed contracted load as such utilization has the potential to damage the equipment of the licensee at times and also the same in excess of the contracted load. Further, these charges are levied only on the demand exceeding the contracted load and proportionate energy corresponding to the excess demand. Hence, the suggestion to reduce penal charges is not justified.

(ii) Andhra Sugars Ltd:

Due to the Unexpected/Unwanted/Force Majeure conditions, HT Consumers who are availing 3rd Party Captive Power Sources sometimes pay huge penal charges on demand, if their 3rd Party Captive Power gets tripped/reduced during the middle of

the billing month. Hence, The Commission may review the levy of Penal Charges on Exceeding Demand and Energy over Contracted Maximum Demand and issue suitable orders accordingly.

APEPDCL's Response: The 20% margin has been already given in the Recorded Maximum demand to take care of any operational exigencies in the usage of power in excess intermittently. This penal provision is meant for bringing in grid discipline and usage of excess demand beyond the sanctioned contracted maximum demand. The further revision of the limits of the percentage of Recorded Maximum Demand over Contracted Maximum Demand as requested by the objector may not be considered.

201. The objections/views/suggestions on the change of category from Industry General to Energy Intensive category are referred to herein:

(i) Andhra Sugars Ltd:

The Electricity Charges are around 70% in the production Cost of Chlor-Alkali Industry, and also its demand resembling a flat load curve would contribute to a stable grid operation and guarantee off-take energy from the grid on a constant basis. Hence, suitable orders to allow all the Tariff Terms & Conditions on par with Energy Intensive Industry Category may be issued.

(ii) Grasim Industries Limited:

Category may be changed from HT IIIA (General Industries) to HT IIIC (Energy-intensive industries) since power is 70% of the cost of production and any related changes have a major impact on the survival of its business.

APEPDCL's Response: As per the recommendations of the expert committee which was constituted as per the directions of the APERC, the following conditions shall be met by the industries to be categorized as energy-intensive industries.

- The total electricity charges of any plant/industry shall be in excess of 30% of the total expenditure of the plant/industry.
- The load factor shall be more than 70%

202. The objections/views/suggestions on tariff modifications/concessions etc, other than as mentioned in earlier paragraphs are referred to herein:

(i) Sri Kumkum Munaswamy Naidu:

The tariff subsidies shall be given to economically backward classes and others similar to SC & ST Consumers.

APSPDCL's Response: Extending incentives to economically backward classes & OCs on par with SC & ST consumers is under the purview of Govt.

That the electricity charges are increasing day by day and the burden on account of this shall be reduced. The benefit of lower wind and solar power rates increased revenue, and reduced losses are not passed on to the consumers.

APSPDCL's Response: The Cost of service is increasing year on year. For FY 2023-24, it was proposed to increase the tariffs for energy-intensive industries only and not for any other category. In view of the increasing supply cost, the suggestion of the objector to reduce tariffs is not possible. With regard to the falling solar & wind tariffs, they are applicable for new agreements only. The tariffs for old PPAs are applicable as it is. Hence, the Discoms proposed the same tariff as the previous years' tariff (except for energy-intensive industries).

(ii) Sri Kakarla Guruswamy Naidu:

Tariff slabs 0-50 & 50-100 may be restored to avoid burden on domestic consumers, and the new tariff policy which removes cross-subsidies to the consumers is opposed.

APSPDCL's Response**:** The LT CoS is Rs.8.26, which is far greater than the tariff of the slabs 0-50 and 51-100 units. Hence, the request of the objector to restore the said slabs is not justifiable. A new tariff policy is not issued yet still the cross-subsidies are being given to poor people.

That tariff of Rs.4.85 per unit is proposed for temples, churches, mosques, Gurudwaras, and Gosalas and Rs.5/- per unit for above 2 KW services. There is no difference between low-consumption and high-consumption consumers. There shall be a slab system for billing religious places based on their consumption similar to the slab systems provided for domestic consumers.

APSPDCL's Response: The suggestion for the division of LT Cat – IV C into Four slabs on the lines of LT Cat – I domestic is not justified as it is opposed to simplification of tariff structure.

That tariff burden imposed on consumers has been high for the last three years. The Discoms are collecting an additional security deposit to the extent of Rs.10,000 for each service.

APSPDCL's Response: Small changes were made in the tariff in accordance with the increase in supply cost in the past 3 years. The applicable tariff in slabs 0-30, and 31-75 units is far lesser than the LT CoS of Rs.7.40 as per the RST Order for FY 2022-23. DISCOMs are collecting additional consumption deposits as per regulation 5 of 2004. Hence, the statement of the objector that DISCOMs are collecting Rs.10000 per household towards additional consumption deposits is far from the truth.

(iii) Sri D. Narasimhulu Naidu:

That 0-75 units slab for domestic consumers needs to be reintroduced dispensing with existing 0-30 and 31-75 slabs.

APSPDCL's Response: The slab 0-30 units is intended for BPL consumers. Hence, the request of the objector to change the slab to 0-75 units instead of 0-30 units is not justifiable.

(iv) Andhra Sugars Ltd:

The present Demand and Energy Charges may be reduced to some extent for the sustainability of HT consumers, particularly Chlor-Alkali Power Intensive Industries.

APEPDCL's Response: As per the ARR & Tariff filings for the ensuing year 2023-24, the Fixed cost of power purchase is 28.97 % of the total power purchase Cost for APEPDCL. Whereas the recovery of fixed charges from the tariffs in the form of Demand charges is 13.73% of the total revenue as per the filings. In spite of the recovery of the fixed cost being very less when compared to the actual cost incidence, the DISCOM has not proposed any increase in charges but retained the same Fixed and Energy charges of FY 2022-23 for FY 2023-24 in respect of HT industries Category –III (A).

That the present Industrial Colony CC Charges are at Rs.7.00 per unit. The Commission may review and reduce the Colony CC charges since the Industry has to oversee the welfare of employees who are residing in its Townships.

APEPDCL's Response: DISCOM has retained the same Tariffs of FY 2022-23 for FY2023-24 in spite of increasing costs.

That the Interest on Consumer Security Deposit for the Financial Years 2022-23 & 2023- 24 has been considered @ 5.65% which is somehow appreciable. But whereas, all the banks are paying interest rates on Fixed Deposits @ 6 to 7%. The Bulk Load Consumers are maintaining huge amounts towards Security Deposit with the DISCOMS and hence, the Commission may review the same and issue suitable orders to increase the Interest Rates accordingly. Earlier, the review of the adequacy of Consumer Security Deposits was done once a year based on past consumption data. Now, the same has been reviewed every six months and notices are being issued for payment/adjustment of shortfall / excess amounts. The Commission may consider the adequacy of Consumer's Security Deposits once a year in line with the computation of Interest on Consumer's Security Deposits.

APEPDCL's Response: The Interest on Consumer Security deposits is considered at the bank rates notified by the RBI as per clause 7.1 of APERC (Security Deposit) Regulation No.6 of 2004. As per clause 6.1 of APERC (Security Deposit) Regulation

No.6 of 2004 in the case of HT consumers, the adequacy of the amount of security deposit shall also be reviewed based on the previous six (6) months' average consumption by the Distribution Licensee during October of every year. The same procedure is followed by DISCOM.

That the Licensees are submitting their true-up proposals with abnormal delay and by that time the Accounting Year gets closed, Financial Results are declared and Balance Sheets were also being prepared. Delayed filings will disturb the Consumer's Financial Structure. The Commission may incorporate such a clause to avoid Off Late Filings by the Licensee.

APEPDCL's Response: Distribution Licensee has been filing the FPPCA applications within the stipulated time. Hence, the question of abnormal delay in FPPCA filings does not arise.

That the Commission may issue suitable directions to the Licensee to extend the validity of the Technical Feasibility issued from the present 6 Months to 12 Months for availing the facility of Purchase of Power through Open Access from the Energy Exchanges.

APEPDCL's Response**:** As per CERC (Open Access in inter-State Transmission) Regulations, 2008, for the purchase of power through the Indian Energy Exchange, the application shall be made on a monthly basis. However, to facilitate early approvals, APSLDC is considering the technical feasibility issued by DISCOM for a period of 6 months.

The Commission may reintroduce the Load Factor Incentive Scheme which has been allowed earlier. It will help all the HT Consumers to utilize more power from the DISCOMs which in turn increases the Revenue of DISCOMS by the retail sale of power.

APEPDCL's Response: The 75 paise concession during the Off-peak period (10:00 – 15:00 Hrs) & (00:00 to 06:00 Hrs) has already been extended in order to encourage utilisation of more power by the industries during the said periods. In view of the ToD concessions, the request for the re-introduction of the load factor incentive scheme is not justified.

(v) Sri Viswanadha Mushroom Farm Pvt Ltd, Mallukunta:

The Cultivation of White Button Mushrooms (vegetables) comes under Horticulture crop which requires maintenance of properly controlled conditions. Button Mushrooms are grown in environmentally controlled cropping houses which require 22-24° C for vegetative growth and 14-18° C for reproductive growth. Besides that, it requires a relative humidity of 80-90% and enough ventilation. White Button Mushrooms is a 60 days crop, it requires a continuous power supply without interruption in all stages to grow mushrooms. The unit capacity is l.20 tons per day,

It is also not viable to run this unit on a Diesel Generator Set. The unit is one of its kind in Andhra Pradesh growing White Button Mushrooms without any preservation techniques and only Fresh White Button Mushrooms can be sold. The Commission may consider the Button Mushroom Cultivation Unit under horticulture, exempt from the purview of R&C measures, and reduce the tariff rate from Rs.6.30 per unit.

APEPDCL's Response: APEPDCL is endeavoring 24x7 uninterrupted power supply to all the consumers in its jurisdiction. R&C measures were imposed earlier under extreme power shortage conditions only with the permissions granted by APERC for safeguarding the Grid, Presently no such measures are envisaged. APEPDCL has proposed the same tariff rates of FY 2022-23 for FY 2023-24.

(vi) Sri Yallapu Suryanarayana, BKS & Several Others:

The Flour Mills up to 10 HP should be categorized under III (D) cottage industries.

APEPDCL's Response: Flour mills are classified and placed under LT-Category III(A) in the tariff order according to their activity.

(vii) Sri Y.Kondaiah:

DISCOMs have proposed the tariffs to recover the full cost tariff. Due to this, there is an additional burden on domestic consumers whose consumption is less than 100 units. APDISCOMS have proposed different tariffs which are to be reviewed. **That** the proposed tariff of Rs.7.96 per unit would be a burden to cottage industries. Further, the proposed charges to domestic category consumers would be a burden as there is no consideration of government subsidy in the filings of DISCOMs.

DISCOM's Response: The DISCOMs proposed full cost recovery tariffs as per G.O.Ms.No.161, dt.15-11-2021 without taking the GoAP subsidy into account. However, the issue of tariff orders taking Govt subsidies into account is under the purview of APERC. Further, the APERC issued the tariff order for FY 2022-23 as per the above methodology. For FY 2022-23, LT CoS is Rs.7.40 whereas the tariff for the domestic consumers whose consumption is less than 100 units is in the range of Rs.1.90 to Rs.4.50. Hence, the tariff of the said consumers is far less than CoS. The full cost recovery tariffs proposed by DISCOMs are subject to change based on Government subsidy.

That the proposed tariff of Rs.7.00 per unit to agriculture would be a burden either to farmers or the government. Discoms have shown 20.70 lakh agriculture pump sets in their proposals, whereas the government said that it would transfer the amount of Rs.8353.7 Cr into the accounts of 17.56 lakh farmers. Hence, it would be a loss to 3.16 lakh farmers because of such deviation in the number of beneficiaries.

DISCOM's Response: The electricity charges will be received into the accounts of all eligible non-corporate farmers. Further, those amounts will be credited to DISCOMS' account. There is no loss to farmers in this procedure.

(viii) Sri Syed Parvez:

The Delhi government extended the benefit of free power up to 300 units/month for domestic consumers. On similar lines, the states such as Rajasthan, Punjab, and Gujarat have declared that they would extend free power up to 200 units per month. Hence, whether any committee was appointed in this regard for implementation of the same in Andhra Pradesh may be informed.

APSPDCL's Response: The demand of the objector to give 300 units of free power to all consumers as was done in the other states is under the purview of the GoAP.

(ix) Sri Meesala Basavapunnaiah, Repalle Consumers Council:

The collection of other charges such as fixed charges, E.D and True-up charges, etc in addition to the energy charges from the consumers in the name of the said amounts is against law. The DISCOMs should collect only one charge for one service. The DISCOMs have divided the consumer categories, and slabs into subcategories by fixing the unit charge with the abnormal difference between the slabs. That the DISCOMs stopped the collection of True up charges due to the objections raised by the consumers and the collected amount was adjusted in subsequent CC bills. Again the DISCOMs are collecting the True-up charges.

DISCOMS' Response: The fixed charges are being collected from domestic consumers at the rate of Rs. 10 per kW as per the retail Supply Tariff order. The distribution true-up cost for the control period from 2014-2019 was levied in the month of August-21 and September-21. Later, the levied amount was refunded and adjusted in the corresponding subsequent bills as per the Commission's order. However, as per the Retail Supply Tariff Order for the FY 2022-23, the distribution true-up amount for the Control period for FY 2014–2019 shall be recovered from the registered consumers except from the non-corporate farmers in 36 monthly installments @ Rs.0.22 per unit from 01.08.2022. Further, The Discoms are proposing Categories, Subcategories & slabs by considering various socio-economic conditions prevailing in the state and as per Govt. of AP Policies subject to the approval of the Commission.

(x) Sri Gurajala Malyadri:

The minimum slab for domestic consumers may be enhanced from 0-30 to 0-50 units, and the tariff may be reduced up to 300 units. Free power up to 200 units shall be provided to SC & ST consumers without any conditions. That Tariff concessions to aqua farmers shall be extended without conditions

(xi) South Central Railways:

The traction tariff for Railways in AP is higher in comparison with open access rates in other states and thereby forcing them to migrate to deemed distribution licensee from the consumer of the DISCOMS. Therefore, the tariff for Railways in AP shall be fixed reasonably/reduced. The cross-subsidy surcharge for availing open access as a deemed licensee based on the MoP notification dated 28.01.2016 is also to be exempted.

(xii) Sri Y. Ramana Reddy:

The slab limit of domestic consumption shall be enhanced from 225 to 300 units.

(xiii) Akhila Bharatha Viswakarma Association:

The present limitation of 10 HP may be increased to 15 HP for the cottage industries and Sawmills with 10 HP load are to be recognized under the cottage industrial category since they are part of carpentry works. Also, the free power of up to 100 units to goldsmiths in the field as per G.O.R.T.No 24 dated 15.02.2019 shall be implemented without any Hassles

(xiv) Sri P V Panduranga Rao and Abhijeet Ferrotech Limited:

The tariff for 220 KV consumers shall be fixed at 10 paise less than that of 132 KV consumers corresponding to the difference of COS between 132 kV and 220 KV.

(xv) Sri Kovvuri Trinatha Reddy:

Tariff for poultry farms may be reduced and the same tariff is to be applied up to 150 HP under LT category instead of having a separate tariff from 101-150 HP.

(xvi) Sri J Suresh Kumar;

Not to increase the electricity charges for the poor people.

(xvii) Sri Krishna Prasad & Smt Lakshmi Prasad:

The Proposed full cost recovery for domestic consumers in lower slabs is objectionable

and

(xviii) Sri J T Rama Rao:

The Free power policy to the farming sector shall be reviewed and also extend free power to the consumers residing in villages near Quarries and mining areas.

(xix) Sri D. Govindaiah, Andhra Pradesh Vyavasaya karmika sangham, and

G.L.Narasimhulu:

The True-up charges shall not be levied and the proposal of the central government for monthly revision of tariffs shall be withdrawn. That the Subsidies to SC & ST

consumers be continued totally and Concessions are to be given to aquafarmers, small-scale industries, professionals, small businessmen, small educational institutions, and hospitals.

(xx) Sri Gadagottu and Sri A. Satish Kumar:

Flour Mills up to 10 HP shall be included under III (D) cottage industries and Free power supply units to be enhanced from 1200 units per HP to 1500 units per HP for Group lifts irrigation schemes.

(xxi) Sri Uppuganti Bhaskar Rao:

Common electricity charges shall be fixed to all religious worship places like temples, churches, and masjids and Concessions shall not be caste-based. The True up charges shall be rational.

(xxii) Sri H. Venkataram Reddy:

The seasonal benefits two times a year may be extended to Ginning and pressing units in Adoni, Kurnool District.

(xxiii) Sri Laxmipathi:

The full cost tariff proposed for domestic consumers up to 400 units and agl. consumers indiscriminately by the DISCOMS.

(xxiv) Sri P. Gopi Rayudu:

Opposed the imposition of true up charges and tariff hike

(xxv) Sri Madala Venkateswarlu:

Opposed the proposed monthly revision of tariff as per central government rules

(xxvi) Sri Vijaya Bhaskar Reddy:

Eligibility criteria for a subsidy to be received by the aqua farmers in the State in the recent Government Orders may be reviewed.

(xxvii) Anrak Aluminium Limited:

The consumer is billed every month in respect of one–month consumption and 15 days' time is allowed for payment from the date of the bill without a delayed payment surcharge. Further 15 days are allowed from the due date without being disconnected. The actual calculation should be done from the date of receipt of the bill to the customer but the calculation is done by default ignoring the same.

(xxviii) Sri G.S.Rajeswara Rao:

The True up charges are burdening the consumers

(xxix) EDP Engineers' Association:

The Free power policy extended to horticulture farmers shall be cancelled and the subsidy provided to income tax paying aqua consumers is to be re-examined.

(xxx) Sri L. Krishna Prasad has stated that the tariff was increased only to the poor people in the lower slab of 0-30 units exempting the higher consumption groups. There is no mention of the continuation of the subsidy for SC/ST consumers in the tariff proposal, the same should be continued.

(xxxi) G.Lakshmipathi has stated that a tariff hike is proposed for only poor and middle-class consumers in lower slabs up to 400 units, and there is no tariff hike for the consumers in slabs above 400 units. The DISCOMs did not propose any tariff hike for other categories.

Commission's Views, Analysis, and Decision

203. The Commission carefully examined the above objections and responses of the DISCOMS on the same. As Some objections have been received after the due date specified for receiving the objections or during the public hearings, the responses on the same from the DISCOMS could not be received. The Commission's analysis, View, and decision on the various objections as discussed supra are detailed in the following paragraphs.

204. **Tariff hike to Energy Intensive Industries:** The Commission has examined the tariffs in different States with reference to the State of Andhra Pradesh for Energy Intensive Industries as shown in the table below:

S. No.	State	Demand Charges	Energy Charges
1	Andhra Pradesh	Nil	Rs.5.80 for 11 kV
			Rs.5.35 for 33 kV
			Rs.4.95 for 132 kV
			Rs.4.90 for 220 kV
2	Telangana	Rs.475/kVA/Month	Rs.7.65 for 11 kV
			Rs.7.15 for 33 kV
			Rs.6.65 for 132 kV

<table>
<tr><th>S. No.</th><th>State</th><th>Demand Charges</th><th>Energy Charges</th></tr>
<tr><td>3</td><td>Karnataka</td><td>Rs.275/ kVA /Month</td><td>i)Urban:Rs.7.50 Rural:Rs.7.40 (For the Frist one lakh units.)
ii)Urban:Rs.7.80 Rural:Rs.7.60 (For the remaining units.)</td></tr>
<tr><td>4</td><td>Tamil Nadu</td><td>Rs.550/ kVA /Month</td><td>Rs.6.35</td></tr>
<tr><td>5</td><td>Kerala</td><td>i)Rs.390/ kVA /Month (33 kV)
ii) Rs.400/ kVA /Month (66 kV)
iii)Rs.390/ kVA /Month (110 kV)
iv)Rs.360/ kVA /Month (220 kV)</td><td>Rs. 6.10 for 33 kV
Rs.6.00 for 66 kV
Rs.5.90 for 110 kV
Rs.5.30 for 220 kV</td></tr>
<tr><td>6</td><td>Maharastra</td><td>Rs.454/ kVA /Month</td><td>Rs.6.89 for both HV and EHV , separate wheeling charge of Rs.0.89 for other than EHV consumers</td></tr>
<tr><td rowspan="3">7</td><td rowspan="3">Gujarat</td><td>Rs. 150/- per kVA per month</td><td>For first 500 kVA of billing demand Rs.4.00</td></tr>
<tr><td>Rs. 260/- per kVA per month</td><td>For next 500 kVA of billing demand Rs.4.2</td></tr>
<tr><td>Rs. 475/- per kVA per month</td><td>For billing demand in excess of 1000 kVA Rs.4.30</td></tr>
<tr><td>8</td><td>Odisha</td><td>a. Rs.150/ kVA /Month (HT)
b. Rs.250/ kVA /Month (EHT)</td><td>LF< HT -Rs.5.85, EHT-Rs.5.8
LF>60 HT-Rs.4.75, EHT-Rs.4.7</td></tr>
<tr><td rowspan="3">9</td><td rowspan="3">Madhya Pradesh</td><td>Rs.608/ kVA /Month 33 kV</td><td rowspan="3"><table><tr><td></td><td>LF<50%</td><td>LF.50%</td></tr><tr><td>33kV</td><td>Rs.5.50</td><td>Rs.5.50</td></tr><tr><td>132kV</td><td>Rs.5.26</td><td>Rs.5.26</td></tr><tr><td>220kV</td><td>Rs.5.20</td><td>Rs.5.20</td></tr></table></td></tr>
<tr><td>Rs.742/kVA/Month 132 kV</td></tr>
<tr><td>Rs.742/kVA/Month 220 kV</td></tr>
<tr><td>10</td><td>Haryana (TO-2021-22)</td><td>Rs. 165/- per kVA per month</td><td>Rs.6.65 for 11 kV
Rs.6.55 for 33 kV
Rs.6.45 for 66 kV
Rs.6.35 for 220 kV
Rs.6.25 for 400 Kv</td></tr>
</table>

S. No.	State	Demand Charges	Energy Charges
11	Uttarapradesh	i).Rs.300/ kVA /Month (11 kV) ii).Rs.290/kVA/Month (33 kV) iii).Rs.270/kVA/Month (132 kV) iv).Rs.270/kVA/Month (>132 kV)	Rs.7.10 for 11 kV Rs.6.80 for 33 kV Rs.6.40 for 132 kV Rs.6.10 for >132 kV
12	Punjab	i. For load>100 kVA &<=1000 kVA (Rs.190/KVA) ii. Load>1000 KVA&<=2500 kVA (Rs.275/KVA) iii. LOAD>2500 kVA (Rs.315/ kVA)	i.Rs.6.09 ii.Rs.6.40 iii.Rs.6.49
13	Rajasthan	Rs.270/kVA/Month 220 kV	Rs.7.30 for 11 kV Rs.7.081 for 33 kV Rs.7.008 for 132 kV Rs.6.935 for 220 kV

As can be seen from the table above, the tariffs for this category are lower in the State of Andhra Pradesh than in any other state and Demand/Fixed charges are being collected in every other State except in AP. Hence the demand/fixed charges proposed by the DISCOMS are found to be reasonable.

The Commission also examined the cost of service at various voltage levels and the average cost of supply of each licensee as approved by the Commission for FY2023-24 which is reproduced below:

Table 79: Approved: Cost of Service for FY2023-24 (Rs. Unit)

Particulars	APSPDCL	APCPDCL	APEPDCL	Three licensees together
CoS for LT consumers	7.79	7.73	7.08	7.52
CoS for 11 kV consumers	7.47	7.44	6.80	7.19
CoS for 33kV consumers	7.24	7.21	6.60	6.99
CoS for 132kV & above consumers	7.02	6.99	6.41	6.70
Average cost of service (ACoS)	**7.53**	**7.59**	**6.81**	**7.26**

As can be seen from the above table and tariffs for FY2022-23, the tariffs for the energy intensive category are significantly lower than the cost of service at the respective voltage level and also less than the average cost of supply of the licensees. Hence, after examination of the DISCOMS' proposal on demand charges, cost of service, and the

present tariffs vis a vis the tariffs in other states, the Commission is inclined to accept the DISCOMs' proposal for levy of Demand charges from this category of consumers.

With regard to the proposal of ToD charges, the Commission, for the time being is not inclined to accept this proposal to avoid sudden tariff burden on this category by different means, even though the proposal of the DISCOMS is as applicable to other continuous process industries.

With regard to the proposal of deemed consumption charges for 85 percent load factor, as the energy-intensive industry is operating in the range of 40-50 percent of its capacity based on the demand for the products as contended by some objectors, if the DISCOMS' proposal is accepted, the same will create a huge financial impact affecting the survival of the energy-intensive category industries. Therefore, the Commission chooses to decline this proposal.

Even after accepting the proposal of levy of the Demand charges, the average billing rate for FY 2023-24 of energy-intensive industries is less than the tariffs of other states as shown in the table below:

Voltage Level	Number of consumers	Contracted Demand (MVA)	Sales (MU)	Total Revenue (Cr.)	Average Billing Rate (Rs.per unit)
33 kV	16	83.9	490.3	323.9	6.6
132 kV	17	471.1	2755.5	1658.0	6.0
220 KV	2	194.0	1386.1	793.7	5.7
Total for all voltage levels	39	749.8	4634.6	2778.5	6.0

As regards suggestion for differential tariffs for open access availing and others, it is not possible to fix different tariffs for the same class of consumers based on availing or not availing open access as it amounts to micro classification, which is not permissible in law. As per section 62 (3), the tariff differentiation can be done according to the consumer's load factor, power factor, voltage, total consumption of electricity during any specified period or the time at which the supply is required, or the geographical position of any area, the nature of supply and the purpose for which the supply is required.

205. **Tariff difference between 33 kV and 132 kV:** The cost of service determined by the Commission at each voltage level is only indicative and the tariffs shall be within the (+)/(-) 20 of the average cost of service of the licensee as per the National Tariff Policy. Since the tariffs fixed for the 33 kV voltage level are within (+)/(-) 20 percent of the average cost of supply of the licensees, the Commission is not inclined to accept the

request of the stakeholders to reduce the tariff for 33 kV consumers with reference to 132 kV consumers commensurating with the cost of service between them.

206. **Tariffs to mobile towers of Telecom Service Providers (TSPs):** The Commission has carefully examined the submissions of the telecom service providers and their representative bodies for consideration of tariffs of mobile towers and industrial categories. They relied on the IT policy of GoAP, the FoIR working group's recommendations, MERC's RST Order, TRAI's recommendations, Electricity Rules issued by MoP, GoI, and also the hon'ble APTEL's Orders on rationalization of Tariff in accordance with National Tariff Policy. In this regard, it is relevant to mention the conclusions drawn by the Hon'ble Supreme Court in its judgments on the SERC's power on tariff determination, and the State/Central Govt. role in regulating electricity tariffs.

(Civil Appeal No. 2926 of 2006, APTRANSCO Vs SAI RENEWABLES.)

"All policy directions shall be issued by the State Govt. consistent with the objects sought to be achieved by this Act and, accordingly, shall not adversely affect *or interfere with the functions and powers of the Regulatory Commission including, but not limited to, determination of the structure of tariffs for supply of electricity to various classes of consumers. The State Govt. is further expected to consult the Regulatory Commission in regard to the proposed legislation or rules concerning any policy direction and shall duly take into account the recommendation by the Regulatory Commission on all such matters. Thus the scheme of these provisions is to grant supremacy to the Regulatory Commission and the State is not expected to take any policy decision or planning which would adversely affect the functioning of the Regulatory Commission or interfere with its functions. This provision also clearly implies that fixation of tariff is the function of the Regulatory Commission and the State Govt. has a minimum role in that regard."*

(Emphasis supplied)

*Further, in civil appeal no.*1933 *of 2022, the Supreme court in its judgment dated 23.11.2022 (The TATA power company Ltd Vs MERC), held:*

"This Court in Reliance Infrastructure (supra) has already held that the NTP is one of the material considerations. The NTP is one *of the many guidelines that the Commission must necessarily consider while regulating tariff. The State and the Central Government only have an advisory role in the regulation of tariff. The Electricity Regulatory Commissions Act 1998, which was consolidated with other statutes on electricity while enacting the Electricity Act 2003, was enacted to distance the governments from the determination of tariffs."*

As can be seen from the above judgments of the Hon'ble Supreme Court, the policies of the State/Central government are not binding on the SERCs' in tariff determination. Therefore, the IT policy of GoAP referred to by the Telecom Service providers is not binding on this Commission. The recommendations of FoIR, and TRAI are suggestive only. Further, the Electricity Rules referred to by the TSPs were issued in purported

exercise of the residuary powers of the Central government on the matters which are in the exclusive domain of SERCs under the Electricity Act, 2003. Therefore, they are also not binding this commission. As opined by the DISCOMS, all service providers are to be billed under the commercial category by application of definitions in the Retail Supply Tariff Orders and not under the Industry category. Therefore, the Commission is not inclined to include the mobile towers under Industrial Category as they do not fall under the definition of Industrial category. As regards the tariff rationalization, the average ACoS of all the licensees is Rs.7.26, whereas the average billing rate of LT Consumers excluding cross subsidy and the govt. subsidy is in the range of Rs.5.7 - Rs.6.4 per unit which is below the ACoS. All the telecom towers are availing supply under LT category and therefore further reduction of the tariff of any category under LT supply will further reduce the Average Billing Rate of LT supply. moreover, the DISCOMS have projected a huge revenue gap without any tariff hike proposals except for HT (IIII) C Energy Intensive Category. Any change of tariffs in the name of rationalization tariffs for mobile towers will further increase the revenue gap. Therefore, the Commission is not inclined to accept the request of TSPs.

As regards making applicable ToD charges to mobile towers, the Commission has not specified ToD charges for the consumers availing LT supply except for the consumers provided with smart meters under the domestic category. The DISCOMS have undertaken to install smart meters for various classes of consumers as per the regulations/MoP rules under RDSS. Once the Commission is satisfied that metering ecosystems for LT consumers are compatible with ToD tariffs, then it will take appropriate action on ToD applicability for mobile towers too. On the other issues raised by the TSPs such as a single billing system, releasing the services promptly, etc, the DISCOMS have responded that they will examine the same. **Therefore, the DISCOMS are directed to submit the feasibility report to the Commission on these and other related issues raised by TSPs other than claim for tariff rationalization and change of category within 60 days of the release of this order for passing appropriate directions in this regard**.

207. **Grid Support charges:** The determination of the Grid Support charges is the well considerd decision of the Commission slightly modifying the proposals of the DISCOMS in the RST Order for FY 2022-23. The Commission has taken into account all the objections raised while determining the Grid support charges at pages 150 to 153 of Volume I of the Retail Supply Tariff Order for FY 2022-23. Further, it may be noted that the Commission at page 152 of Volume I of the Retail Supply Tariff Order for FY 2022-23 clearly stated that confining the levy of the GSC only to Captive Power Plants does not provide for a level playing field as other generators connected to the grid also enjoy the same benefits as that of CPPs and accordingly it was decided to bring other generators, except those having PPAs with the DISCOMs, under the ambit

of GSC. The Grid support is distinguishable from other services such as open access and all the generators who operate either by directly connecting with the Grid or connecting through their loads shall have to pay grid support charges unless they operate in complete isolation. **If any generator operates in isolation, it shall be exempted from the Grid support charges, and the DISCOMS shall not levy GSC on such generators.** The grid support charges being collected by the DISCOMS from the consumers will be accounted for while arriving at the ARR of the Retail Supply Business and hence the double payment does not arise. As the DISCOMS have not proposed any change in tariffs and terms and conditions of any category other than the tariff for Energy Intensive Industries in their ARR proposals for FY 2023-24, the Commission is inclined to continue the same charges as determined in the RST Order for FY 2022-23 to FY 2023-24 also. The computations on grid support charges are provided in the RST Order for FY 2022-23. As regards the exemption of idle units from levy of grid support charges and to levy only on the operational capacity of the plant, the plant idle condition has already been taken into account while levying the Grid Support charges as per the terms and conditions approved by the Commission. The Commission is not inclined to accept the request to levy only the operational capacity of the plant for grid support charges, due to the practical limitations. As regards the grievance raised on solar net metering by one of the stakeholders, the APCPDCL is directed to comply with the solar net metering policy approved by the Commission vide its order dated 25.05.2019 and if the grievance persists, he may take legal recourse at appropriate fora.

208. **The Electricity Duty and kVAh billing:** As stated by the DISCOMS**,** the Electricity Duty Charges are being levied as per the Andhra Pradesh Electricity Duty Act, 1939. and as per G.O.Ms.No.7 dated 08.04.2022, Energy (POWER-III) Department. The determination/fixation of the Electricity Duty is under the purview of the government (though at one place the DISCOMS stated that it is within the purview of the Commission). Therefore, this aspect is wholly outside the purview and jurisdiction of this Commission. Further, on examination of the mass representations received from the public regarding the practical issues in KVAH billing especially for small cottage industries and flour mills, the Commission is inclined to accept their request and accordingly decides to exempt the cottage industries and flour mills upto 10 HP capacity under the purview of kVAh billing. However, they have to install the capacitors of the required capacity corresponding to the motor capacities they contracted with the DISCOMS. Further, the Commission is not inclined to accept their request for category change to get exempted from electricity duty applicable for Industries, since the categories have been finalised based on the nature and purpose of the supply.

Rationalisation of TOD charges: The Commission has finalised the ToD tariffs after due consideration of all the issues raised by all the stakeholders based on the proposals of the DISCOMS in the RST Order for FY 2023-24. Any rationalisation of these charges has financial implications. The DISCOMs have projected a huge revenue gap for FY 2023-24 and any rationalisation of TOD charges would further increase the revenue gap. Hence, the Commission is not inclined to accept the request on ToD charges modifications.

209. **Penal charges for exceeding CMD:** The Commission has changed the method of imposition of penalties on the energy component in case the RMD exceeds the CMD. By this method, only the excess part of energy attributable to the excess CMD is chargeable at penal rates, instead of levying penalties on the entire energy charges. This being so, the Commission does not find any justification for reviewing its earlier view taken in the previous tariff orders while dealing with the same request.

210. The Category change from Industry General to Energy Intensive Industry: As these industries do not satisfy the prescribed criteria for falling in the energy intensive category, the Commission is not inclined to accept the same.

211. As regards the other representations on tariffs rationalisation and slab modifications, the Commission is not inclined to accept the same in view of the huge revenue gap projected by the DISCOMS. The full cost tariffs projected in respect of domestic and agricultural consumers in DISCOMS filings as per the Govt. orders are only indicative. The continuation of existing concessions on tariffs or any new concessions to be extended is under the purview of the State government. As regards, true-ups, the Commission has elaborately discussed the same in RST Order for FY 2022-23 and the FPPCA order dated 01.03.2023 and the Commission reiterates the same. The requests of the stakeholders on the remaining aspects are discussed below:

(i) Industrial tariffs: The State-wise comparison of representative tariffs for Industry during FY 2022-23 as per the REC key regulatory parameters of Power Utilities booklet statistics report as on 31.12.2022 is given below:

#	State	Small Industrial (10KW, 20% LF, 1460 Units per month)	Small Industrial (50KW, 30% LF, 10950 Units per month)	Small Industrial (1000KW, 40% LF, 365000 Units per month)
1	Andaman & Nicobar	9.00	10.97	10.63
2	Andhra Pradesh	7.27	7.10	7.66
3	Bihar	7.97	7.77	7.93
4	Chhattisgarh	6.13	6.76	9.73

#	State	Small Industrial (10KW, 20% LF, 1460 Units per month)	Small Industrial (50KW, 30% LF, 10950 Units per month)	Small Industrial (1000KW, 40% LF, 365000 Units per month)
5	Delhi	9-85	9.28	8.82
6	Gujarat	5.13	5.51	5.65
7	Haryana	7.15	7.08	7.19
8	Karnataka	8.23	9.21	8.93
9	Kerala	6.46	5.97	7.27
10	Madhya Pradesh	9.39	8.66	9.50
11	Maharashtra	7.39	9.55	9.62
12	Punjab	6.73	7.21	7.75
13	Rajasthan	7.70	8.10	8.44
14	Tamil Nadu	8.39	10.10	8.90
15	Telangana	8.27	8.10	9.27
16	Uttar Pradesh	9.94	9.17	8.45
17	Uttarakhand	6.13	5.63	6.95
18	West Bengal	7.84	9.13	9.61

As can be seen from the above table, the industrial tariffs in the State of Andhra Pradesh are lesser than those in 15 states. Therefore, any request for further reduction of industrial tariffs is neither reasonable nor acceptable.

(ii) Railway tariffs: The tariffs for Railways in different states as per Retail Supply tariff orders of the respective ERCs for FY 2022-23 are given below:

S.No	Name of the State	Demand /Fixed Charges Rs./kW or kVA/ month	Energy Charges Rs./kWh or kVAh
1	Telangana	475	5.05
2	Chattisgarh	375	4.55
3	Uttarakhand	285	4.90
4	Himachal Pradesh	400	4.90
5	Gujarath	180 Rs./KVA (upto Contract Demand) 425 Rs/KVA (for Excess Demand)	5.00
6	Kerala	340	5.40

S.No	Name of the State	Demand /Fixed Charges Rs./kW or kVA/ month	Energy Charges Rs./kWh or kVAh
7	Odissa	250	Load Factor (<=60%) Rs. 5.80/KVAh (>60%) Rs. 4.70/KVAh
8	Andhra Pradesh	350	5.50
9	Rajastan	135	5.70
10	Madya Pradesh	310	5.90
11	Assam	310	6.35
12	Tamilnadu	475	5.05
13	Karnataka		
14	Haryana	165	6.35
15	Bihar	308	7.36
16	Maharashtra	454	6.86
17	Punjab	340	6.97
18	Uttar Pradesh	400	8.50

As can be seen from the above table, the Railway Tariffs in the State of Andhra Pradesh are at a reasonable level and any further reduction is not possible due to the unhappy financial status of the DISCOMS. The issue of exempting Railways from Cross subsidy surcharge considering it as a deemed licensee can only be considered in appropriate proceedings after hearing the views/objections of all the stakeholders in this regard.

(iii) **Tariff for 220 kV Consumers**: As regards the request to fix the tariff for 220 KV consumers at 10 paise less than the 132 KV consumers corresponding to the difference of COS between 132 kV and 220 KV, the CoS determined for 132 kV and 220 kV is only indicative and accordingly, the tariff for 220 kV consumers is fixed 5 paise less than that for the 132 kV consumers. The CoS difference between the 132 kV and 220 kV consumers is not the basis for tariff fixation and the tariff shall be (+)/(-) 20 percent of the average cost of the service of the licensee as per the National Tariff Policy. As can be seen from the Average billing rates of 132 kV and 220 kV consumers, their ABR is less than ACoS but within (-) 20 percent of ACoS as can be seen from the table below:

Particulars	APSPDCL	APCPDCL	APEPDCL
ABR of 132kV & above consumers	7.52	7.14	6.46
Average cost of service (ACoS)	**7.53**	**7.59**	**6.81**

Therefore, the Commission is not inclined to accept the request.

(iv) The Interest on Consumer Security Deposit: As regards the request to fix interest on consumer security deposits commensurate with the bank interest rates on fixed deposits, the interest rates are being fixed by the Commission based on bank rates notified by the Reserve Bank of India as per its Regulation 6 of 2004. Accordingly, the Commission has fixed an interest rate at 6.15 percent for FY 2023-24 as against the 6.25 percent, 5.65 percent, and 5.65 percent proposed by the DISCOMS in their filings: **(This is dealt with in the ARR chapter).**

(v) Load factor incentive: The Commission reiterates that the Load Factor Incentive for the industry was introduced during the FY2019-20 keeping in view the surplus power availability in the State then. As the surplus power scenario may not exist during the FY 2023-24 as per the estimations of the Commission, the need to push the consumers to go for higher consumption by incentivising such consumption may not arise. Moreover, a consumer can consume only up to his requirement and just to avail the incentive he will not consume energy which he otherwise does not require to consume. Conversely, if the consumer requires a certain level of consumption, he will not refrain from consuming up to that level merely due to the absence of an incentive. Hence, the Commission does not find the necessity of restoring the load factor incentive which was withdrawn from the FY2021-22.

(vi) Inclusion of flour Mills up to 10 HP and sawmills under cottage industries: There is no rationale in the request and hence the Commission is not inclined to accept the same.

(vi) As regards the request for Free power supply units to be enhanced from 1200 units per HP to 1500 units per HP for Group lifts irrigation schemes, there is no rationale in the request as the per HP consumption of the DISCOMS is coming down over the years, and hence the Commission is not inclined to accept the same.

(vi) With regard to the request for a change of season option of two times a year as against once a year for seasonal industries, as there are no financial implications on this request, the Commission is inclined to accept the same and accordingly it modifies the terms and conditions of supply of seasonal industries.

(vii) As regards opposition to monthly FPPCA charges, the monthly revision allows the timely recovery of variation of costs incurred by the DISCOMS, and the consumers will be not burdened with past true-up once the exercise of monthly FPPCA is streamlined. The monthly revision is not only a recovery by the DISCOM, but it is also to pass on the true down of costs if any to the consumers.

(viii) As regards the grievance regarding the computation of DPS, the consumer may take legal recourse at appropriate fora if the licensees are not following the procedure prescribed under the regulations and/or orders issued by the Commission.

212. **CSS Charges:** The Licensees have filed CSS applications along with ARR & FPT proposals for FY 2023-24 and the same are determined by the Commission in chapter XI of this Order.

213. **RESCOS:** The APEPDCL has undertaken electricity supply activity in the two RESCO areas of Anakapalle and Cheepurupalle as per the order of this Commission. However, the KUPPAM RESCO is continuing its activity and the exemption application of this RESCO is pending adjudication.

214. The Commission, after incorporating the decisions as stated above, has accordingly prepared a Reference Tariff Schedule (RTS) for FY2023-24. This tariff schedule reflects the well-considered views of the Commission with regard to charges/rates for all consumer categories after considering the views/objections/suggestions of all stakeholders and GoAP's willingness to provide subsidies under section 65 of the Electricity Act, 2003. The complete Reference Tariff Schedule for FY2023-24 is given below:

Table 80: Reference Tariff Schedule (RTS) for FY2023-24

(Rates/Charges as fixed by APERC)

Category	Consumer Category	LT SUPPLY		↔	HT SUPPLY				
		Fixed / Demand Charges per month (Rs/HP or kW)	Energy Charges (Rs./Unit)	Billing Unit	Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
						11 kV	33 kV	132 kV	220 kV
I	**DOMESTIC**								
	(A) : Domestic (Telescopic)								
	0-30	10	1.90	kWh	-	-	-	-	-
	31-75	10	3.00	kWh	-	-	-	-	-
	76-125	10	4.50	kWh	-	-	-	-	-
	126-225	10	6.00	kWh	-	-	-	-	-
	226-400	10	8.75	kWh	-	-	-	-	-
	>400	10	9.75	kWh	-	-	-	-	-
	Consumers whose consumption is more than 500 units per month can opt for smart meters and ToD rebate of Rs.1 per unit is applicable for such consumers for consumption between 10 AM to 12 Noon.								
	(B) : Townships, Colonies, Gated Communities and Villas	-	-	kVAh	75	7.00	7.00	7.00	7.00
II	**COMMERCIAL & OTHERS**								
	A (i) : Commercial								
	0-50	75/kW	5.40	kWh/kVAh	475	7.65	6.95	6.70	6.65
	51-100		7.65	kWh/kVAh					
	101-300		9.05	kWh/kVAh					
	301-500		9.60	kWh/kVAh					
	Above 500 units		10.15	kWh/kVAh					
	Time of Day tariff (TOD)- Peak (6 PM to 10 PM)	-	-	kWh/kVAh		8.65	7.95	7.70	7.65
	(ii) Advertising Hoardings	100	12.25	kWh/kVAh	-	-	-	-	-
	(iii) Function halls / Auditoriums	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(B):Startup power	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(C):Electric Vehicles/Charging Stations	-	6.70	kWh/kVAh	-	6.70	6.70	6.70	6.70
	(D) : Green Power	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
III	**INDUSTRY**								
	(A) : Industry (General)	75/kW	6.70	kWh/kVAh	475	-	-	-	-
	Time of Day tariff (TOD) (High Grid Demand) (Feb'24, Mar'24), (Apr'23- May'23) & (Sep'23-Oct'23)								
	Peak (06-10) & (18-22)	-	-			7.80	7.35	6.90	6.85

Category	Consumer Category	LT SUPPLY		↔	HT SUPPLY				
		Fixed / Demand Charges per month (Rs/HP or kW)	Energy Charges (Rs./Unit)	Billing Unit	Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
						11 kV	33 kV	132 kV	220 kV
	Off-Peak (10 -15) & (00-06)	-	-			5.55	5.1	4.65	4.60
	Normal (15-18) & (22-24)	-	-			6.30	5.85	5.40	5.35
	Time of Day tariff (TOD) (Low Grid Demand) (Jun'23-Aug'23) & (Nov'23-Jan'24)								
	Peak (06-10) & (18-22)	-	-			7.30	6.85	6.40	6.35
	Off-Peak (10 -15) & (00-06)	-	-			5.55	5.10	4.65	4.60
	Normal (15-18) & (22-24)	-	-			6.30	5.85	5.40	5.35
	Industrial Colonies	-	-	kWh/kVAh	-	7.00	7.00	7.00	7.00
	(B) : Seasonal Industries (off-season)	75/kW	7.45	kWh/kVAh	475	7.65	6.95	6.70	6.65
	(C) : Energy Intensive Industries	-	-	kWh/kVAh	475	5.80	5.35	4.95	4.90
	(D) : Cottage Industries up to 10HP *	20/kW	3.75	kWh	-	-	-	-	-
	* - Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018								
IV	**INSTITUTIONAL**								
	(A) : Utilities (Street Lighting, NTR Sujala Pathakam, CPWS and PWS)	75/kW	7.00	kWh	475	7.65	6.95	6.70	6.65
	(B) : General Purpose	75/kW	7.00	kWh/kVAh	475	7.95	7.25	7.00	6.95
	(C) : Religious Places	30/kW	5.00	kWh/kVAh	30	5.00	5.00	5.00	5.00
	(D) : Railway Traction	-	-	kVAh	350	5.50	5.50	5.50	5.50
V	**AGRICULTURE & RELATED**								
	(A) : Agriculture								
	(i) Corporate farmers	-	3.50	kWh	-	-	-	-	-
	(ii) Non-Corporate farmers	-	-	-	-	-	-	-	-
	(iii) Salt farming units up to 15 HP	-	2.50	kWh	-	-	-	-	-
	(iv) Sugarcane crushing	-	-	-	-	-	-	--	-
	(v) Rural Horticulture Nurseries	-	-	-	-	-	-	--	-
	(vi) Floriculture in Green House	75/kW	4.50	kWh/kVAh	-	-	-	-	-
	(B) : Aquaculture and Animal Husbandry	30/kW	3.85	kWh/kVAh	30	3.85	3.85	3.85	3.85
	(D) : Agro Based Cottage Industries up to 10 HP	20/kW	3.75	kWh	-	-	-	-	-
	(E) : Government / Private Lift Irrigation Schemes	-	6.40	kVAh	-	7.15	7.15	7.15	7.15
Note:	(i) Temporary Supply: There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.								
	(ii) Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (i) Commercial								

CHAPTER – IX

FULL COST RECOVERY TARIFF DETERMINATION

Introduction

215. As per the Reference Tariff Schedule (RTS) (as determined in Chapter – VIII of this Order), the licensees will not be able to recover Rs.9609.17 Cr. out of the total approved ARR of Rs.49267.36 Crores for the FY2023-24. Hence, the Commission has endeavoured in this chapter to determine the tariffs, i.e., the Full Cost Recovery Tariff Schedule (FCRTS) for FY2023-24 at which the total approved ARR can be recovered. FCRTS is finalised by considering the category-wise revenue, revenue deficit/surplus and by revising upwards the charges/rates fixed in RTS for bridging the revenue gap of Rs.9609.17 Cr. in accordance with clause 20, Regulation 4 of 2005.

Classification of Consumer Categories

216. All the consumer categories have been classified into "subsidising" and "subsidised" categories as under:

Subsidising: Consumer categories for whom the revenues at RTS are more than the allocated costs during FY2023-24.

Subsidised: Consumer categories for whom the revenues at RTS are less than allocated costs during FY2023-24.

Allocation of Available Surplus

217. In Stage-1, the surplus available from the estimated revenue of all the subsidising consumer categories has been used to meet the deficit of subsidised consumers in full excluding "Category V: Agriculture - LT" for all the three licensees and additionally Category-I (A): Domestic-LT in respect of APSPDCL & APCPDCL.

218. In Stage-II, the remaining surplus income available with APEPDCL has been allocated in full to Category V: Agriculture - LT 'and Category-I (A): Domestic-LT in respect of APSPDCL & APCPDCL. Even after allocation of the available surplus to these consumer categories, there remains a deficit of Rs. Rs.9609.17 Cr. as shown in the table below for consumers of "Category-I: Domestic – LT" (APCPDCL& APSPDCL) and "Category V: Agriculture - LT" (for the three licensees).

S. No.	Consumer Category		Amount (₹ Cr.)			
			APSPDCL	APCPDCL	APEPDCL	For three DISCOMs
1	I	**LT-Domestic**	301.43	451.63	0.00	**753.06**
2	V	**LT-Agricultural & Related**				
3		(i) Free power categories	4562.41	1498.74	1580.70	**7641.85**
4		(ii) Aquaculture and Animal Husbandry	206.80	372.22	627.18	**1206.20**
5		(iii) Others	1.65	3.2	3.21	**8.06**
6	**Tariff Subsidy for FY2023-24**		**5072.29**	**2325.79**	**2211.09**	**9609.17**

Charges for Full Cost Recovery

A. To recover the deficit of Rs.301.43 Cr. and Rs.451.62 for "Category I (A): Domestic – LT" in respect of APSPDCL & APCPDCL respectively, the energy charges/rates for this sub-category have been revised as given below

Category	Consumer Category	LT SUPPLY				↔ Billing Unit	HT SUPPLY			
		Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)				Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)		
			SPDCL	CPDCL	EPDCL			11 kV	33 kV	132 kV & above
I	**DOMESTIC**									
	(A) : Domestic (Telescopic)									
	0-30	10	**2.78**	**3.34**	**1.90**	kWh	-	-	-	-
	31-75	10	**3.67**	**4.13**	**3.00**	kWh	-	-	-	-
	76-125	10	**4.82**	**5.15**	**4.50**	kWh	-	-	-	-
	126-225	10	**6.06**	**6.12**	**6.00**	kWh	-	-	-	-
	226-400	10	**8.75**	**8.75**	**8.75**	kWh	-	-	-	-
	>400	10	**9.75**	**9.75**	**9.75**	kWh	-	-	-	-

219. To recover the balance deficit of Rs.8856.12 Cr. for all the three licensees as shown in the earlier paragraph in respect of "Category V: Agriculture – LT", the energy charges/rates have been revised as given below:

Category	Consumer Category	LT SUPPLY			
		Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)		
			SPDCL	CPDCL	EPDCL
V	**AGRICULTURE & RELATED**				
	(A) : Agriculture				
	(i) Corporate farmers	-	**7.10**	**7.20**	**6.92**
	(ii) Non-Corporate farmers	-	**7.72**	**7.64**	**6.78**
	(iii) Salt farming units upto 15 HP	-	**6.90**	**7.25**	**6.99**
	(iv) Sugarcane crushing	-	**6.20**	**0.00**	**7.10**
	(v) Rural Horticulture Nurseries	-	**7.50**	**7.37**	**7.10**
	(vi) Floriculture in Green House	-	**6.20**	**4.50**	**4.40**
	(B): Aquaculture and Animal Husbandry	-	**6.95**	**7.12**	**6.73**
	(D): Agro Based Cottage Industries up to 10 HP	-	**6.59**	**7.10**	**6.45**
	(E): Government/Private Lift Irrigation Schemes	-	**7.09**	**7.40**	**6.40**

220. With the above charges/rates, the licensees will be able to recover the Aggregate Revenue Requirement (ARR) in full during FY2023-24. The revenue estimated by the Commission category wise at tariffs in FCRTS is shown at Annexure-12.

221. The revised rates as shown in above paragraphs for "Category I (A): Domestic – LT" (APSPDCL & APCPDCL)) and "Category V: Agriculture – LT" for the three licensees have been substituted in the "Reference Tariff Schedule" (RTS) to create the "Full Cost Recovery Tariff Schedule" (FCRTS) for FY2023-24.

222. Accordingly, the FCRTS approved by the Commission for FY2023-24 is given in the table below:

Table 81 : Full Cost Recovery Tariff Schedule (FCRTS) for FY2023-24

(Rates / Charges as determined by APERC)

Consumer Category		LT SUPPLY	Full Cost Tariffs (Rs./Unit)			↔	HT SUPPLY				
		Fixed / Demand Charges per month (Rs./HP or kW)	SPDCL	CPDCL	EPDCL	Billing Unit	Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit) 11 kV	33 kV	132 kV	220 kV
I	**DOMESTIC**										
	(A) : Domestic (Telescopic)										
	0-30	10	2.78	3.34	1.90	kWh	-	-	-	-	-
	31-75	10	3.67	4.13	3.00	kWh	-	-	-	-	-
	76-125	10	4.82	5.15	4.50	kWh	-	-	-	-	-
	126-225	10	6.06	6.12	6.00	kWh	-	-	-	-	-
	226-400	10	8.75	8.75	8.75	kWh	-	-	-	-	-
	>400	10	9.75	9.75	9.75	kWh	-	-	-	-	-
	Consumers whose consumption is more than 500 units per month can opt for smart meters and ToD rebate of Rs.1 per unit is applicable for such consumers for the consumption between 10 AM to 12 Noon.										
	(B) : Townships, Colonies, Gated Communities, and Villas	-	-	-	-	kVAh	75	7.00	7.00	7.00	7.00
II	**COMMERCIAL & OTHERS**										
	(A) : Commercial										
	0-50	75/kW	5.40	5.40	5.40	kWh/kVAh	475	7.65	6.95	6.70	6.65
	51-100		7.65	7.65	7.65	kWh/kVAh					
	101-300		9.05	9.05	9.05	kWh/kVAh					
	301-500		9.60	9.60	9.60	kWh/kVAh					
	Above 500 units		10.15	10.15	10.15	kWh/kVAh					
	Time of Day tariff (TOD)- Peak (6 PM to 10 PM)	-	-	-	-	kWh/kVAh		8.65	7.95	7.70	7.65
	(iii) Advertising Hoardings	100/kW	12.25	12.25	12.25	kWh/kVAh	-	-	-	-	-

Consumer Category		LT SUPPLY	Full Cost Tariffs (Rs./Unit)			↔	HT SUPPLY				
		Fixed / Demand Charges per month (Rs./HP or kW)	SPDCL	CPDCL	EPDCL	Billing Unit	Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit) 11 kV	33 kV	132 kV	220 kV
	(iv) Function halls / Auditoriums	-	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(B) : Startup power	-	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(C) : Electric Vehicles / Charging Stations	-	6.70	6.70	6.70	kWh/kVAh	-	6.70	6.70	6.70	6.70
	(D) : Green Power	-	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
III	**INDUSTRY**										
	(A) : Industry (General)#	75/kW	6.70	6.70	6.70			-	-	-	-
	Time of Day tariff (TOD) (High Grid Demand) (Feb'24, Mar'24), (Apr '23 'May'23) & (Sep'23-Oct'23)										
	Peak (06-10) & (18-22)	-	-	-	-			7.80	7.35	6.90	6.85
	Off-Peak (10 -15) & (00-06)	-	-	-	-			5.55	5.10	4.65	4.60
	Normal (15-18) & (22-24)	-	-	-	-	kWh/kVAh	475	6.30	5.85	5.40	5.35
	Time of Day tariff (TOD) (Low Grid Demand) (Jun'23-Aug'23) & (Nov'23-Jan'24)										
	Peak (06-10) & (18-22)	-	-	-	-			7.30	6.85	6.40	6.35
	Off-Peak (10 -15) & (00-06)	-	-	-	-			5.55	5.10	4.65	4.60
	Normal (15-18) & (22-24)	-	-	-	-			6.30	5.85	5.40	5.35
	Industrial Colonies	-	-	-	-	kWh/kVAh	-	7.00	7.00	7.00	7.00
	(B) : Seasonal Industries (off-season)	75/kW	7.45	7.45	7.45	kWh/kVAh	475	7.65	6.95	6.70	6.65
	(C) : Energy Intensive Industries	-	-	-	-	kWh/kVAh	475	5.80	5.35	4.95	4.90
	(D) : Cottage Industries upto 10HP *	20/kW	3.75	3.75	3.75	kWh	-	-	-	-	-
	* - Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018										
IV	**INSTITUTIONAL**										
	(A) : Utilites	75/kW	7.00	7.00	7.00	kWh	475	7.65	6.95	6.70	6.65
	(B) : General Purpose	75/kW	7.00	7.00	7.00	kWh	475	7.95	7.25	7.00	6.95
	(C) : Religious Places	30/kW	5.00	5.00	5.00	kWh/kVAh	30	5.00	5.00	5.00	5.00
	(D) : Railway Traction	-	-	-	-	kVAh	350	5.50	5.50	5.50	5.50
V	**AGRICULTURE & RELATED**										
	(A) : Agriculture										
	(i) Corporate farmers	-	7.10	7.20	6.92	kWh/kVAh	-	-	-	-	-

Consumer Category		LT SUPPLY	Full Cost Tariffs (Rs./Unit)			↔	HT SUPPLY				
		Fixed / Demand Charges per month (Rs./HP or kW)	SPDCL	CPDCL	EPDCL	Billing Unit	Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
								11 kV	33 kV	132 kV	220 kV
	(ii) Non-Corporate farmers	-	7.72	7.64	6.78	kWh/kVAh	-	-	-	-	-
	(iii) Salt farming units upto 15 HP	-	6.90	7.25	6.99	kWh/kVAh	-	-	-	-	-
	(iv) Sugarcane crushing	-	6.20	0.00	7.10	kWh/kVAh	-	-	-	-	-
	(v) Rural Horticulture Nurseries	-	7.50	7.37	7.10	kWh/kVAh	-	-	-	-	-
	(vi) Floriculture in Green House	75/kW	6.20	4.50	4.40	kWh/kVAh	-	-	-	-	-
	(B) : Aquaculture and Animal Husbandry	30/kW	6.95	7.12	6.73	kWh/kVAh	30	3.85	3.85	3.85	3.85
	(D) : Agro Based Cottage Industries upto 10 HP	20/kW	6.59	7.10	6.45	kWh	-	-	-		-
	(E) : Government / Private Lift Irrigation Schemes	-	7.09	7.40	6.40	kVAh	-	7.15	7.15	7.15	7.15
Note:	(i) Temporary Supply :There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.										
	(ii) Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (i) Commercial.										

223. In the absence of any external subsidy u/s 65 of the Electricity Act, 2003, the licensees shall charge the rates indicated in the above FCRTS during FY2023-24 for Retail Sale of Electricity to generate the revenue required to meet the approved ARR for FY2023-24.

224. The Government of Andhra Pradesh vide G.O.Rt .No. 161 dated 15.11.2021 has requested the Commission to notify the unit-wise Government subsidy for different consumer categories as part of annual tariff order. Therefore, having regard to the request of the Government, the unit wise tariff, cross subsidy and govt. subsidy for various subsidised consumer categories, as computed by the Commission are shown below:

Category	Consumer Category	Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)			Cross subsidy received per unit (Rs./Unit)			Govt subsidy received per unit (Rs./unit)		
			SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL
I	**DOMESTIC**										
	(A) : Domestic (Telescopic)										
	0-30	10	1.90	1.90	1.90	4.09	3.81	4.84	0.88	1.44	0.00
	31-75	10	3.00	3.00	3.00	3.09	2.95	3.67	0.67	1.13	0.00
	76-125	10	4.50	4.50	4.50	1.52	1.70	1.80	0.32	0.65	0.00
	126-225	10	6.00	6.00	6.00	0.17	0.32	0.08	0.06	0.12	0.00
	226-400	10	8.75	8.75	8.75	0.00	0.00	0.00	0.00	0.00	0.00
	>400	10	9.75	9.75	9.75	0.00	0.00	0.00	0.00	0.00	0.00
V	**AGRICULTURE & RELATED**										
	(A) : Agriculture										
	(i) Corporate farmers	-	3.50	3.50	3.50	0.00	0.00	0.00	3.53	3.69	3.42
	(ii) Non-Corporate farmers	-	0.00	0.00	0.00	0.00	0.00	0.25	7.72	7.64	6.78
	(iii) Salt farming units upto 15 HP	-	2.50	2.50	2.50	0.00	0.00	0.00	4.46	4.77	4.49
	(iv) Sugarcane crushing	-	0.00	0.00	0.00	0.00	0.00	0.00	7.66	0.00	7.03
	(v) Rural Horticulture Nurseries	-	0.00	0.00	0.00	0.00	0.00	0.00	7.61	7.38	7.03
	(vi) Floriculture in Green House	-	4.50	4.50	4.50	0.00	0.00	0.00	1.69	0.00	0.00
	(B) : Aquaculture and Animal Husbandry	-	3.85	3.85	3.85	0.00	0.00	0.00	3.10	3.27	2.88
	(D) : Agro Based Cottage industries up to 10 HP	-	3.75	3.75	3.75	0.00	0.00	0.00	3.12	3.37	2.67
	(E): Government/ Private Lift Irrigation Schemes	-	6.40	6.40	6.40	0.00	0.00	0.00	0.71	0.96	0.00

CHAPTER – X

RETAIL SUPPLY TARIFF SCHEDULE

Communication to Government of Andhra Pradesh

225. The Commission has informed the Government of Andhra Pradesh (GoAP) on 16.03.2023 with regard to requirement of external subsidy of Rs.10135.22 Cr (APSPDCL – Rs.5195.98 Cr., APCPDCL – Rs.2453.36 Cr. and APEPDCL - Rs.2485.88 Cr.) for FY2023-24 towards subsidy to "Category I (A): Domestic – LT (APSPDCL & APCPDCL)" and "Category V: Agriculture – LT" for all the three licensees and concessions extended to various classes of the consumers, to maintain the rates as mentioned in the "Reference Tariff Schedule (RTS) for FY2023-24" with all relevant calculations including the details of "Full Cost Recovery Tariff Schedule for FY2023-24."

Provision of Subsidy by Government of Andhra Pradesh

226. In response to the Commission's letter dated:16-03-2023, the Government of Andhra Pradesh has communicated vide letter No. 2025101/ENE01-APERC0MISC/3/2023-POWER-III, Dated:20-03-2023 (Annexure-14), that it undertakes to provide subsidy amounts determined by the Commission under Section 65 of Electricity Act, 2003. Therefore, out of the total subsidy amount of Rs. 10135.22 Cr. agreed to be provided by the State Government, the APSPDCL shall get Rs.5195.98 Cr., APCPDCL shall get Rs.2453.36 Cr. and APEPDCL shall get Rs.2485.88 Cr.

227. The Commission, in accordance with the decisions enumerated in earlier chapters and in accordance with the approval of GoAP for providing subsidy, hereby determines the Tariff for Retail Sale of Electricity with the terms and conditions applicable with effect from 01-04-2023 to 31-03-2024 in respect of the three distribution licensees (APSPDCL, APCPDCL & APEPDCL including the areas of RESCOs which are directed to be taken over by the respective DISCOMs) in the State of Andhra Pradesh, as hereunder:

Table 82: TARIFF FOR RETAIL SALE OF ELECTRICITY DURING FY2023-24

(Applicable with effect from 01.04.2023 to 31.03.2024 in respect of three distribution licensees, APSPDCL, APCPDCL and APEPDCL in the State of Andhra Pradesh)

Category	Consumer Category	LT SUPPLY		↔	HT SUPPLY				
		Fixed / Demand Charges per month (Rs/HP or kW)	Energy Charges (Rs./Unit)	Billing Unit	Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
						11 kV	33 kV	132 kV	220 kV
I	**DOMESTIC**								
	(A) : Domestic (Telescopic)								
	0-30	10	1.90	kWh	-	-	-	-	-
	31-75	10	3.00	kWh	-	-	-	-	-
	76-125	10	4.50	kWh	-	-	-	-	-
	126-225	10	6.00	kWh	-	-	-	-	-
	226-400	10	8.75	kWh	-	-	-	-	-
	>400	10	9.75	kWh	-	-	-	-	-
	Consumers whose consumption is more than 500 units per month can opt for smart meters and ToD rebate of Rs.1 per unit is applicable for such consumers for consumption between 10 AM to 12 Noon.								
	(B) : Townships, Colonies, Gated Communities and Villas	-	-	kVAh	75	7.00	7.00	7.00	7.00
II	**COMMERCIAL & OTHERS**								
	A (i) : Commercial								
	0-50	75/kW	5.40	kWh/kVAh	475	7.65	6.95	6.70	6.65
	51-100		7.65	kWh/kVAh					
	101-300		9.05	kWh/kVAh					
	301-500		9.60	kWh/kVAh					
	Above 500 units		10.15	kWh/kVAh					
	Time of Day tariff (TOD)- Peak (6 PM to 10 PM)	-	-	kWh/kVAh		8.65	7.95	7.70	7.65
	(ii) Advertising Hoardings	100	12.25	kWh/kVAh	-	-	-	-	-
	(iii) Function halls / Auditoriums	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(B):Startup power	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(C):Electric Vehicles/Charging Stations	-	6.70	kWh/kVAh	-	6.70	6.70	6.70	6.70
	(D) : Green Power	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
III	**INDUSTRY**								
	(A) : Industry (General)	75/kW	6.70	kWh/kVAh	475	-	-	-	-
	Time of Day tariff (TOD) (High Grid Demand) (Feb'24, Mar'24), (Apr'23- May'23) & (Sep'23-Oct'23)								
	Peak (06-10) & (18-22)	-	-			7.80	7.35	6.90	6.85

Category	Consumer Category	LT SUPPLY		↔	HT SUPPLY				
		Fixed / Demand Charges per month (Rs/HP or kW)	Energy Charges (Rs./Unit)	Billing Unit	Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
						11 kV	33 kV	132 kV	220 kV
	Off-Peak (10 -15) & (00-06)	-	-			5.55	5.1	4.65	4.60
	Normal (15-18) & (22-24)	-	-			6.30	5.85	5.40	5.35
	Time of Day tariff (TOD) (Low Grid Demand) (Jun'23-Aug'23) & (Nov'23-Jan'24)								
	Peak (06-10) & (18-22)	-	-			7.30	6.85	6.40	6.35
	Off-Peak (10 -15) & (00-06)	-	-			5.55	5.10	4.65	4.60
	Normal (15-18) & (22-24)	-	-			6.30	5.85	5.40	5.35
	Industrial Colonies	-	-	kWh/kVAh	-	7.00	7.00	7.00	7.00
	(B) : Seasonal Industries (off-season)	75/kW	7.45	kWh/kVAh	475	7.65	6.95	6.70	6.65
	(C) : Energy Intensive Industries	-	-	kWh/kVAh	475	5.80	5.35	4.95	4.90
	(D) : Cottage Industries up to 10HP *	20/kW	3.75	kWh	-	-	-	-	-
	* - Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018								
IV	**INSTITUTIONAL**								
	(A) : Utilities (Street Lighting, NTR Sujala Pathakam, CPWS and PWS)	75/kW	7.00	kWh	475	7.65	6.95	6.70	6.65
	(B) : General Purpose	75/kW	7.00	kWh/kVAh	475	7.95	7.25	7.00	6.95
	(C) : Religious Places	30/kW	5.00	kWh/kVAh	30	5.00	5.00	5.00	5.00
	(D) : Railway Traction	-	-	kVAh	350	5.50	5.50	5.50	5.50
V	**AGRICULTURE & RELATED**								
	(A) : Agriculture								
	(i) Corporate farmers	-	3.50	kWh	-	-	-	-	-
	(ii) Non-Corporate farmers	-	-	-	-	-	-	-	-
	(iii) Salt farming units up to 15 HP	-	2.50	kWh	-	-	-	-	-
	(iv) Sugarcane crushing	-	-	-	-	-	-	--	-
	(v) Rural Horticulture Nurseries	-	-	-	-	-	-	--	-
	(vi) Floriculture in Green House	75/kW	4.50	kWh/kVAh	-	-	-	-	-
	(B) : Aquaculture and Animal Husbandry	30/kW	3.85	kWh/kVAh	30	3.85	3.85	3.85	3.85
	(D) : Agro Based Cottage Industries up to 10 HP	20/kW	3.75	kWh	-	-	-	-	-
	(E) : Government / Private Lift Irrigation Schemes	-	6.40	kVAh	-	7.15	7.15	7.15	7.15
Note:	(i) Temporary Supply: There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.								
	(ii) Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (i) Commercial								

TERMS AND CONDITIONS

(Applicable with effect from 01-04-2023 to 31-3-2024 in respect of the three Distribution Licensees in the State of Andhra Pradesh)

The Tariffs determined in PART 'A' and PART 'B' below are subject to the following general conditions.

The Tariffs are exclusive of Electricity Duty payable as per the provisions of AP Electricity Duty Act, 1939, Fuel and Power Purchase Cost Adjustment (FPPCA) determined by the Commission and True-up/True-down and any other order which may stipulate any other recovery from the Consumers.

PART 'A'

LOW TENSION (LT) SUPPLY

1. LT TARIFFS – TERMS AND CONDITIONS

i. **System of Supply:** Low Tension A.C., 50 Cycles, Three Phase Supply at 415 Volts and Single-Phase supply at 240 Volts.

ii. These tariffs are applicable for supply of Electricity to LT consumers with a connected load of 75kW/100 HP and below. However, All Industrial Category consumers are permitted up to 150 HP in LT Supply as per their option, by paying the prescribed tariff.

Whenever kVAh tariff is applicable, fixed charges shall be computed based on the recorded kVA or connected load whichever is higher. In all such cases the tariff indicated as Rs./kW will be applied as Rs./kVA. As and when a consumer is billed on kVAh basis no capacitor surcharge shall be levied. **All the consumers shall be billed based on kVAh except "Category- I : domestic", "single phase services of any category", farmers in "Category -V agriculture & related", and "Cottage industries and Flourmills up to 10HP**"

iii. Supply shall be extended on single phase for a connected load up to 5 kW only.

iv. The Licensees shall have the right to correct the category of supply of energy to any premises to an appropriate category of LT Tariff, in the event of any error or mistake in extending the supply to such premises under an inappropriate category.

v. The applicability of the respective categories as enumerated is only illustrative but not exhaustive.

1.1 CATEGORY-I (A): DOMESTIC - LT

Applicability

This tariff is applicable for supply of electricity for lights, fans and other domestic electrical appliances for domestic purposes including electric vehicles (EVs) in domestic premises. Domestic establishment / premises is one which is used for dwelling/residential purposes.

Note: For domestic categories, the households having a separate kitchen will be treated as a separate establishment at the consumer's choice.

Based on the consumption during the billing month, the consumers shall be billed at the slab wise rates specified in the following table under telescopic method.

CATEGORY - I (A): DOMESTIC – LT (TELESCOPIC)	**Energy Charges Rs./kWh**
LT Cat-I : Domestic (Telescopic)	
0-30	1.90
31-75	3.00
76-125	4.50
126-225	6.00
226-400	8.75
>400	9.75
Consumers whose consumption is more than 500 units per month can opt for smart meters and ToD rebate of Rs.1 per unit is applicable for such consumers for the consumption between 10 AM and 12 Noon. The cost of the smart meter with modem along with the installation has to be borne by the consumer, who can opt to pay in lump sum or in equal monthly instalments subject to a maximum of 24 months.	

In addition to the above energy charges, the fixed charges of Rs.10 per kW and part thereof are applicable.

SPECIFIC CONDITIONS

i. If electricity supplied to domestic premises is required to be used for non-domestic or commercial purposes, a separate connection should be taken for such loads under Category-II: Commercial & Others - LT, failing which the entire supply shall be charged under Category-II: Commercial & Others – LT, tariff, apart from liability for penal charges as per the General Terms and Conditions of Supply.

ii. For common services like Water supply, common lights in corridors and supply for lifts in multi-storied buildings, billing shall be done as follows:

a. If the plinth area occupied by the domestic consumers is 50% or more of the total plinth area, it shall be billed at the tariff applicable for Category- I (A): Domestic - LT.

b. If the plinth area occupied by the domestic consumers is less than 50% of the total plinth area, it shall be billed at the tariff applicable for Category - II (A): Commercial - LT,

iii. Single Point LT services released to residential complexes of State Government/Central Government Departments under specific orders of Licensees with Contracted Load/Connected Load in excess of 56 kW / 75HP shall be billed under Category-I (A): Domestic - LT tariff slab rate applicable based on the average monthly energy consumption per each authorised dwelling i.e., total energy consumption in the month divided by the number of such dwelling units, in the respective residential complexes.

The above orders are subject to the following conditions, namely:

a. Orders are applicable to Police Quarters and other State/Central Government residential complexes specifically sanctioned by the Licensees.

b. Provided that, it is at the request of the designated officer, who shall give an unconditional undertaking that he will pay the bill for C.C. charges to the Licensees irrespective of collection from the individual occupants.

c. The consumers shall be billed at the appropriate slab rates in tariff based on the average monthly consumption per dwelling unit in the complex.

d. The meter reading shall be taken monthly in all such cases.

e. The customer charges shall be levied at corresponding applicable rates, slab-wise per month for each dwelling unit.

1.2 CATEGORY–II: COMMERCIAL & OTHERS - LT

In this category, the consumers are divided into four groups viz. Category-II(A), Category-II(B), Category-II(C) and Category-II(D).

1.2.1 CATEGORY–II(A): COMMERCIAL - LT

1.2.1.1 CATEGORY- II (A) (i): COMMERCIAL - LT

Applicability

This tariff is applicable to:

1. Consumers who undertake non-domestic activity.
2. Consumers who undertake commercial activity.
3. Consumers who do not fall in any other Category i.e., Category-I(A):LT, Category-II(B):LT, Category-II(C):LT, Category-II(D):LT, Category-III:LT to Category-V: LT.
4. Consumers who avail supply of energy for lighting, fans, heating, air conditioning and other electric appliances in any commercial or non-domestic premises such as

Shops, Business Houses, Offices, Public Buildings, Hospitals, Hostels, Hotels, Choultries, Restaurants, Clubs, Theatres, Cinema Halls, Bus Stations, Railway Stations, Timber Depots, Photo Studios, Printing Presses etc.

5. Educational institutions run by individuals, Non-Government Organisations or Private Trusts and their student hostels are also classified under this category.
6. This tariff is also applicable to Airports, Resorts, Amusement Parks, MICE Centers, Golf Courses, Botanical Gardens, Urban / Rural Haats, Tourism and Hospitality Training Institutes, Wayside Amenities, Spiritual / Wellness centres and Museums etc.

Description	**Fixed Charges Rs./ kW/Month**	**Energy Charges (Rs./kWh or kVAh)**
II (A) (i): Commercial – LT		
0-50	75	5.40
51-100	75	7.65
101-300	75	9.05
301-500	75	9.60
Above 500	75	10.15
Monthly minimum charges:		
Single Phase Supply		Rs.65 /month
Three Phase Supply		Rs.200/month

SPECIFIC CONDITIONS:

i. For loads from 10 kW and above, LT tri-vector meter shall be provided. The connected load shall not exceed the contracted load specified in the agreement as per sanction accorded for the service.

ii. The fixed charges shall be computed based on contracted load or actual Recorded Demand whichever is higher.

iii. For the purpose of billing, 1 kVA shall be treated as 1kW.

iv. In respect of the complexes having connected load of more than 56kW/75HP released under specific orders of Licensees for Single Point Bulk supply, where such complex is under the control of a specified organisation/agency taking responsibility to pay monthly current consumption bills regularly and abide by the General Terms and Conditions of Supply, the billing shall be done at the highest slab tariff rate under Category-II(A) (i): Commercial - LT. The energy shall be measured on the High-Tension side of the transformer. In case, where energy is measured on the LT side of the transformer, 3% of the recorded energy during the month shall be added to arrive at the consumption on the High Tension side of the transformer.

1.2.1.2 CATEGORY- II (A) (ii): ADVERTISING HOARDINGS – LT

Applicability

This tariff is applicable for electricity supply availed through separate (independent) connections for the purpose of advertisements, hoardings and other conspicuous consumption such as external flood light, displays, neon signs at public places (roads, railway stations, airports etc.), departmental stores, commercial establishments, malls, multiplexes, theatres, clubs, hotels and other such entertainment /leisure establishments etc.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
100	12.25
Monthly minimum charges: Rs.300 / month	

1.2.1.3 CATEGORY- II (A) (iii): FUNCTION HALLS / AUDITORIA – LT

Applicability

This tariff is applicable to Function Halls, Auditoria, Marriage Halls, Convention Centers, and the like.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
NIL	12.25
Monthly minimum charges: Rs.300 / month	

1.2.2 CATEGORY- II (B): STARTUP POWER – LT

Applicability

This tariff is applicable for supply of electricity to startup power for Captive Generating Plants, Co-Generation Plants and Renewable Energy Generation Plants & also for Merchant plants.

The startup power is intended for those generators who require occasional and intermittent supply for startup operations of the generating unit(s) alone. However, the Captive and Cogeneration plants with their process plants being located in the same premises and have single connection with the grid (APTransco / DISCOMs) and who continuously depend on the licensees' supply for part of their energy requirement may be given option to either continue in their present category or to be included in this new category. Without giving an opportunity to all such generators to exercise options in this regard, the category change shall not be affected.

The Specific Conditions applicable for start-up power are as follows:

1. Supply is to be used strictly for generator start-up operations, maintenance and lighting purposes only.
2. This Category is also applicable to all the Wind and Solar plants who have PPAs with licensees.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
NIL	12.25

1.2.3 CATEGORY- II (C): ELECTRIC VEHICLES / CHARGING STATIONS – LT

Applicability

This tariff is applicable for supply of electricity to Electric Vehicles and charging Stations that will provide electricity for charging such vehicles.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
NIL	6.70

Note: The DISCOMs shall collect only 90 percent of the above tariff from the charging stations.

1.2.4 CATEGORY- II (D): GREEN POWER – LT

Applicability

This tariff is applicable to all consumers other than those covered under Category II (A) (ii) & Category II (A) (iii) who wish to avail power from Non-conventional sources of energy voluntarily and show their support to an environmental cause.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
NIL	12.25

Note:

1. The Tariff shall be optional and can be extended to any consumer without reference to end use purpose.
2. A consumer shall be entitled to Renewable Energy Certificates (RECs) as may be admissible.

1.3 CATEGORY-III: INDUSTRY – LT

1.3.1 CATEGORY-III (A): INDUSTRY (GENERAL) – LT

Applicability

The following tariff shall be applicable for supply of electricity to Low Tension industrial consumers with a Contracted load of 75kW/100 HP and below. Industrial purpose shall mean, supply primarily for the purpose of manufacturing, processing and/or preserving goods for sale, but shall not include Shops, Business Houses, Offices, Public Buildings, Hospitals, Hotels, Hostels, Choultries, Restaurants, Clubs, Theatres, Cinemas, Bus Stations, Railway Stations and other similar premises, notwithstanding any manufacturing, processing or preserving of goods for sale.

This tariff will also apply to:

1. Water Works & Sewerage Pumping Stations operated by Government Departments or Co-operative Societies and pump sets of Railways, pumping of water by industries as subsidiary function and sewerage pumping stations operated by local bodies.
2. Workshops, flour mills, oil mills, saw mills, coffee grinders and wet grinders, ice candy units with or without sale outlets, grass cutting and fodder cutting units.
3. The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoAP.
4. Newspaper printing units.
5. Aqua hatcheries and Aqua feed mixing plants
6. Poultry hatcheries and feed mixing plants

Fixed charges (Rs./kW/Month)	Energy Charge (Rs./kWh or kVAh)
75.00	6.70

Note: LT captive feed mixing plants of Poultry Farms, Pisciculture, Prawn Culture and Dairy Farms having independent connections who are not covered under the GST regime are allowed to pay tariff of Rs.5.25/unit and demand charges of Rs.75 per kW.

(7) All the industries under category-III industry general are permitted to avail load up to 150HP on exercise of option, with the following tariffs.

(Fixed charges on Telescopic Basis):

Connected Load	Fixed charges (Rs./kW/Month)	Energy Charge (Rs./kWh or kVAh)
Up to 100 HP	75.00	6.70
101 HP to 150 HP	275.00	6.70

Note: Without an advance option, the above tariffs are not applicable.

1.3.2 CATEGORY-III (B): SEASONAL INDUSTRIES (OFF SEASON) – LT

Applicability

This tariff is applicable to consumers who avail supply of energy under Category–III: Industry – LT for manufacture of sugar or ice or salt, decorticating, seed processing, fruit processing, ginning and pressing, cotton seed oil mills, tobacco processing, re-drying and Rice Mills and for such other industries or processes as may be approved by the Commission from time to time principally during certain seasons or limited periods in a year and the main plant is regularly closed down during certain months in a year, they shall be charged for the months during which the plant is shut down (which period shall be referred to as the off-season period) as follows:

Fixed charges on 30% of Contracted Load or Recorded Demand, whichever is higher (Rs./kW/Month)	**Energy Charge For all kWh or kVAh units (Rs./kWh or kVAh)**
75	7.45

Note: During the seasonal period, the consumer shall be billed under Category III(A): Industry (General) - LT. If the metering is on HT side, 1% of total energy consumed shall be deducted from recorded energy for the purpose of billing.

Specific conditions for Seasonal Industries:

i. Consumers classified as seasonal load consumers who are desirous of availing the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.

ii. The period of season shall not be less than 3 (three) continuous months. However, the consumer can declare a longer seasonal period as per actuals.

iii. Existing eligible consumers who have not opted earlier for availing of seasonal tariffs will also be permitted to opt for seasonal tariff on the basis of application to the concerned Divisional Engineer of the Licensees.

iv. Consumer, who desires to have a change in the period classified as "season" declared by him, shall file a declaration at least a month before commencement of the season already declared by him. Change of season will be allowed **twice** in a year only.

v. The off-season tariff is not available to composite units having seasonal and other categories of loads.

vi. Development charges as applicable to regular LT consumers shall be paid by the consumers for availing supply under the above said category with seasonal benefits. Consumers who have already paid the development charges as regular consumers need not pay the development charges.

Other Conditions applicable to Category- III (A): Industry (General) – LT and Category III (B): Seasonal Industries (Off-season) – LT

(1) The connected load shall not exceed the contracted load specified in the agreement as per sanction accorded for the service. The fixed charges shall be computed based on contracted Load or actual Recorded Demand whichever is higher.

(2) Metering and Billing

i. For the purpose of billing, 1 kVA shall be equal to 1 kW and 1HP = 0.75 kW

ii. LT Trivector meter shall be provided for the consumers with contracted load of 15 kW/20 HP to 37.5 kW/50 HP.

iii. For loads above 37.5 kW/50 HP to 75 kW/100 HP, the metering shall be provided on HT side of the Distribution Transformer.

iv. If the recorded demand of any service connection under this category exceeds the 75 kVA, such excess demand shall be billed at the demand charges prescribed under Category-III: Industry (General) - HT.

v. In cases where metering is provided on the LT side of the transformer (due to space constraints), 3% of the recorded energy during the month shall be added to arrive at the consumption on the High Tension side of the transformer.

vi. If the metering is on HT side, 1% of total energy consumed shall be deducted from recorded energy for the purpose of billing.

1.3.3 CATEGORY-III (D): COTTAGE INDUSTRIES UP TO 10 HP – LT

COTTAGE INDUSTRIES

Applicability

This tariff is applicable for supply of energy to Dhobighats & bonafide (as certified by Divisional Engineer, Operation) Small Cottage Industries specifically power looms, Carpentry, Blacksmithy, Kanchari, Goldsmithy, Shilpi, Pottery, Mochy, Phenoyl production units, Agarbatti production units, Wax Candle making units, Papads Manufacturing units, Leather (Chappals) making, Soap Industry, Plaster of Paris units, Laque toy making units, Pop Toys, Wood carving/toy making units, Pickles Manufacturing, Mango jelly units, Adda leaf plate industry etc. having connected load not exceeding 10 HP including incidental lighting in the premises.

Fixed charges (Rs./kW/Month)	**Energy Charge For all kWh units (Rs./kWh)**
Rs.20/- per month per kW of contracted load subject to a minimum of Rs.30/- per month	3.75
Monthly minimum charges – NIL	
Note: i. Units which exceed a connected load of 10 HP shall be billed at tariff specified for Category III(A): Industry (General) - LT. ii. Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt:27-06-2018	

1.4 CATEGORY-IV: INSTITUTIONAL – LT

1.4.1 CATEGORY-IV (A): UTILITIES – LT

(Street Lightning, NTR Sujala Pathakam, CPWS and PWS)

Applicability

This tariff is applicable for:

i. Supply of energy for lighting on public roads, streets, thoroughfare including parks, markets, car-stands, taxi stands, bridges, PWS schemes in the Local Bodies viz., Panchayats / Municipalities / Municipal Corporations.

ii. Supply of energy to the Composite Water Supply Schemes (CWSS) / PWS Schemes operated and / or maintained by Local Bodies viz., (Panchayats, Municipalities, Municipal Corporations) etc.

iii. Supply of energy to NTR Sujala Pathakam (Drinking water schemes notified by the Government of AP and / or concerned statutory authority)

Metering is compulsory irrespective of tariff structure.

Description	Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
Street Lighting, CPWS / PWS Schemes and NTR Sujala pathakam	75	7.00

Specific Condition applicable to Street Lighting:

Additional charges: Every local body shall pay an additional charge equivalent to any tax or fee levied by it under the provisions of any law including the Corporation Act, Municipalities Act or Gram Panchayat Act on the poles, Lines, Transformers and other installations erected in its area.

1.4.2 CATEGORY-IV (B): GENERAL PURPOSE – LT

Applicability

This tariff is applicable for supply of energy to places of Crematoria, Govt. Educational institutions and Student Hostels run by Govt. agencies, Charitable institutions i.e., Public charitable trusts and societies registered under the Societies Registration Act running educational institutions on no profit basis, recognized service institutions and registered old age homes, orphanages and the like rendering gratuitous service to the public at large without any profit. Government Offices and Government Hospitals shall also be billed under this category.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
75	7.00
Monthly Minimum Energy charges:	
Single Phase Supply	Rs. 50 per month
Three Phase Supply	Rs.150 per month

Note:

i. Trivector meters shall be provided for all 10 kW and above services.

ii. The change of applicability shall be effected within three months from the date of issue of this order to the existing consumers who fit in the above definition. If the

change of applicability is not effected within three months for any valid reason for all such consumers, change of classification shall be effected prospectively from the actual date of reclassification.

1.4.3 CATEGORY-IV (C): RELIGIOUS PLACES – LT

Applicability

This tariff is applicable for supply of energy to places of worship such as Temples, Churches, Mosques, Gurudwaras and Goshalas.

Description	Fixed charges (Rs./kW/Month)	Energy Charge (Rs./kWh or kVAh)
For all places other than Goshalas up to 2 kW contracted load	30.00	3.85
Above 2 kW contracted load	30.00	5.00
Goshalas	30.00	3.85

1.5 CATEGORY-V: AGRICULTURE & RELATED – LT

1.5.1 CATEGORY-V (A) : AGRICULTURE – LT

1.5.1.1 CATEGORY-V (A) AGRICULTURE (i): CORPORATE FARMERS – LT

Applicability

This tariff is applicable to Corporate farmers. "Corporate Farmer" means:

- A company incorporated under the Companies Act, 2013 or under any previous company law and which undertakes farming as an activity
- A partnership firm or a limited liability partnership firm which undertakes farming as an activity
- Association of persons, cooperative societies and registered body of individuals undertaking farming activities

Description	Fixed charges (Rs./HP / Month)	Energy Charges (Rs./kWh)
Corporate Farmers (DSM Measures mandatory)	-	Rs.3.50

Note:

i. *Any consumption of energy /electricity in any Agricultural land for purposes other than agriculture shall be charged / billed in accordance with the applicable tariff.*
ii. *Farmers without DSM Measures shall be billed @ Rs.4.50/kWh. DSM measures include frictionless foot valve, capacitor of adequate rating, HDPE or RPVC piping at suction and/or delivery and ISI marked mono-block or submersible pump-sets.*

1.5.1.2 CATEGORY-V (A) AGRICULTURE (ii): NON-CORPORATE FARMERS – LT

Applicability

This tariff is applicable to all farmers who are not covered under the "corporate farmers" category.

Fixed charges (Rs./Month)	Energy Charge (Rs./kWh)
NIL	NIL

Note:

(i) Power supply to agricultural consumers under urban feeders: In case of agricultural consumers who are under urban feeders, the DISCOMs shall extend power supply by providing three phase meters and supply free power up to 1200_units per HP per annum on annual basis and shall charge for the consumption above 1200 units per HP per annum at the rate of Rs.6.40/unit by issuing bills.

(ii) In case of LT Lift Irrigation schemes which are in the paying category hitherto, the DISCOMs shall extend free power supply up to 1200 units per HP per annum on annual basis and shall charge for the consumption above 1200 units per HP per annum at the rate of Rs.6.40/unit by issuing bills.

SPECIFIC CONDITIONS APPLICABLE FOR NON-CORPORATE FARMERS:

i. Agricultural consumers are permitted to use one lamp of 15 watts or three lamps of 5 watts each, near the main switch as pilot lamps.

ii. Supply to the L.T. Agricultural services will be suitably regulated as notified by Licensees from time to time.

iii. The farmers eligible for free supply have to comply with the Demand Side Management Measures (DSM) stated below as applicable for their pumping system viz., submersible or surface pump sets failing which they will not be eligible for free supply. Non-corporate farmers without DSM measures shall be provided with meters and billed at the tariff applicable to Category-V (A) (i): LT

iv. DSM measures include frictionless foot valve, capacitor of adequate rating, HDPE or RPVC piping at suction and/or delivery and ISI marked mono-block or submersible pump-sets.

All new connections shall be given only with DSM measures implemented and with meters.

1.5.1.3 CATEGORY-V (A) AGRICULTURE (iii): SALT FARMING UNITS UP TO 15HP* – LT

Applicability

This tariff is applicable for Salt Farming units up to 15 HP.

Fixed charges (Rs./HP/Month)	**Energy Charge (Rs./kWh)**
-NIL-	2.50

* - Units with connected load more than 15 HP shall be billed under Category III(A): Industry (General) – LT tariff.

1.5.1.4 CATEGORY-V (A) AGRICULTURE (iv): SUGARCANE CRUSHING – LT

Applicability

This tariff is applicable for all sugar cane crushing units connected to agricultural / rural feeders.

Fixed charges (Rs./Month)	Energy Charge (Rs./kWh)
NIL	NIL

1.5.1.5 CATEGORY-V (A) AGRICULTURE (v): RURAL HORTICULTURE NURSERIES – LT

Applicability

This tariff is applicable for Horticulture Nurseries in rural areas.

Fixed charges (Rs./HP/Month)	Energy Charge (Rs./kWh)
NIL	NIL

1.5.1.6 CATEGORY-V (A) AGRICULTURE (vi): FLORICULTURE IN GREENHOUSE – LT

Applicability

This tariff is applicable for Floriculture in Green Houses.

Fixed charges (Rs./KW/Month)	Energy Charge (Rs./kWh or kVAh)
75	4.50

1.5.2 CATEGORY-V (B): AQUA CULTURE & ANIMAL HUSBANDRY – LT

Applicability

This tariff is applicable to Aqua Culture and Animal Husbandry, such as Poultry Farms, Pisciculture, Prawn Culture and Dairy Farms

Fixed Charges (Rs./ kW/Month)	Energy Charges (Rs. / kWh or kVAh)
30	3.85

Note: Poultry Farms are exempted from the condition of 5kW minimum load for releasing three phase supply.

1.5.4 CATEGORY – V (D): AGRO BASED COTTAGE INDUSTRIES UP TO 10HP* – LT

Applicability

This tariff is applicable to small agro based industrial units covering Sisal fiber extraction co-operative units, Vermiculture, Sericulture, Mushroom growing / farming, Rabbit farming, Sheep rearing, Emu birds farming, Apiculture (honey making), Chaff-cutting and Dairy farming activities with connected load up to10 HP (including incidental lighting load).

Fixed Charges (Rs./ kW/Month)	**Energy Charges (Rs./ kWh)**
20	3.75

* Agro based activities with connected load exceeding 10 HP shall be billed at Tariff specified for Category III A - Industry General-LT or HT based on connected load / contracted demand without applying ToD charges.

For sericulture, connected load exceeding 15 HP shall be billed at Tariff specified for Category III A - Industry General-LT or HT based on connected load / contracted demand without applying ToD charges.

2. TEMPORARY SUPPLY – LT

THERE IS NO SEPARATE CATEGORY FOR TEMPORARY SUPPLY.

Temporary supply can be released to any category of consumers with respective applicable terms and conditions in addition to the specific conditions mentioned hereunder:

Temporary supply shall not ordinarily be given for a period exceeding 6 (six) months and can be renewed up to a maximum of another six months. In any case, the total period shall not exceed one year beyond which permanent connection shall be extended.

The charges for temporary supply to any category of consumers except those entitled to fully subsidized and free supply of electricity under this Order shall be as follows:

Fixed Charges (Rs./kW/Month)	Energy Charges (Rs./kWh or kVAh)
30	10.50

The charges for temporary supply to consumers who are entitled to fully subsidized and free supply of electricity under this Order shall be as follows:

Fixed Charges (Rs./kW/Month)	Energy Charges (Rs./kWh or kVAh)
NIL	3.75

Specific conditions for release of LT Temporary Supply

(i) Tri-vector meters shall be provided for all 10 kW and above services.

(ii) Requests for temporary supply of energy cannot normally be considered unless there is a clear notice of at least one week in the case of domestic and three months in case of other types of supply. If supply is required at a short notice, in addition to the charges mentioned below, an urgency charge, as specified in 3.8 is also to be paid.

(iii) Estimated cost of the works means the cost of works for making necessary arrangements for supplying energy including the cost of distribution lines, switchgear, metering equipment etc., as may be worked out on the basis of

standards and norms prescribed by the Licensees from time to time plus cost of dismantling the lines and other works when the supply is no more required less the cost of retrievable material.

(iv) (a) Estimated cost of the works as mentioned in para (iii) above shall be paid by the consumer in advance. After the works are dismantled and retrievable materials returned to stores, a bill for the actual amount payable by the consumer shall be prepared and the difference would be collected from or refunded to the consumer, as the case may be. No development charge shall be collected for temporary supply.

(b) In addition to the aforesaid charges payable by consumers availing temporary supply, they shall pay hire charges at 2% on cost of retrievable material per month or part thereof, for the duration of temporary supply. These charges will be claimed along with the consumption bills.

(v) (a) The consumer requiring supply on temporary basis shall be required to deposit in advance, in addition to the estimated cost of works mentioned in iv(a), the estimated consumption charges at the rate stipulated in Tariff Order for Temporary supply, and worked out on the basis for use of electricity by the consumer for 6 hours per day for a period of 2 months in case the supply is required for more than 10 days. If the period of temporary supply is for 10 days or less, the advance consumption charges for the actual period requisitioned shall be paid.

(b) The bill for electricity consumed in any month shall be prepared at the tariff applicable plus hire charges as mentioned in iv(b) above. The consumers have to pay monthly CC charges regularly during the period of availing temporary supply and the estimated energy consumption deposit shall be adjusted with the last month consumption bill and the balance, if any, shall be refunded.

(c) In the case of consumers requiring temporary supply for the purposes of Cinema, the estimated energy charges for a minimum period of 3 months shall have to be deposited by the consumers subject to the condition that the consumer shall pay every month energy and other miscellaneous charges for the preceding month and the amount deposited by them in advance shall be adjusted with the last month consumption bill and the balance amount shall be refunded.

(d) In the event of estimated energy charges deposited by the consumer having been found insufficient, the consumer shall deposit such additional amount, as may be demanded by the Licensees failing which the Licensees may discontinue the supply of electricity.

vi. Estimated Cost of Works and Estimated energy charges:

These charges shall be paid in advance by the consumer in accordance with the procedure prescribed above.

(vii) Regular consumers requiring temporary additional supply:

In cases where consumers availing regular supply of energy require additional supply for a temporary period, the additional supply shall be given as a temporary service under a separate connection and charged as such in accordance with the above procedure.

3. OTHER CHARGES FOR LT SUPPLY

3.1 Additional Charges for delayed payment

i. The C.C. bills shall be paid by the consumers within the due date mentioned in the bill, i.e. 15 days from date of the bill.

ii. In case of Category-I(A): LT, Category-III(D): LT, and Category-V(D): LT, if payment is made after the due date, the consumers are liable to pay Delayed Payment Surcharge (DPS) of Rs.25 per month. In case of Category -II (A) (i) consumers who consume less than 50 units per month and Category -IV(C) whose connected load is less than 2 kW load also pay Delayed Payment Surcharge (DPS) of Rs.25 per month.

iii. In case of Category-II(A)(i, ii & iii) : LT, Category-II (B to D): LT, Category-III (A to C): LT and Category-IV(A, B & C)):LT, Category-V (B & E): LT the licensees shall levy Delayed Payment Surcharge (DPS) on monthly consumption charges only at the rate of 5 paise per Rs.100/day calculated from the due date mentioned on the bill up to the date of payment or Rs.150 whichever is higher. In case of grant of instalments, the licensees shall levy interest at the rate of 18% per annum on the outstanding amounts compounded annually and both (DPS and Interest) shall not be levied at the same time.

iv. If the C.C. bill amount is not paid within 15 days from the due date, the power supply is liable for disconnection.

v. For reconnection of power supply after disconnection, the consumer has to pay reconnection charges. The reconnection charges shall not be collected without actual disconnection.

3.2 Service Connection Charges

The service connection charges shall be collected as per the Regulations issued by the Commission from time to time.

3.3 Reconnections

(a) Low Tension Services.	
Category-IA (Overhead)	Rs.100
Other Category Services (Overhead)	Rs.100
Services with Under Ground cable	Rs.300

3.4 Testing

(a) Installations	
The first test and inspection of a new installation or of an extension to an existing installation	Nil
Charges payable by the consumer in advance for each subsequent test and / or inspection if found necessary owing to any fault in the installation or to non-compliance of the conditions of supply.	Rs.20
(b) Meters	
A.C. Single Phase Energy meter	Rs.200
A.C. Three Phase Energy meter	Rs.500
Trivector meter	Rs.2500

3.5 Service calls

(a) Charges for attendance of LM/ALM/JLM for Low Tension Consumers	
i) Replacing of Licensees' cut out fuses	Nil
ii) Replacing of consumer's fuses	Rs. 5/-
(b) Charges for attendance of LM/ALM/JLM at the consumer's premises during any function or temporary illumination provided a LM/ALM/JLM can be spared for such work	Rs.100/- for each day or part thereof.
(c) Charges for infructuous visit of Licensee employees to the consumer's premises	Rs.25/- for each visit when there is no defect in Licensee's equipment

3.6 Miscellaneous Charges

(a) Application Registration Fees:	
(i) For Agricultural & Domestic categories	Rs. 50
(ii) For all other Categories	Rs.100
(b) Revision of estimates	Rs. 50
(c) Fee for re-rating of consumer's installation at the request of the consumer. (This does not include the additional charges payable by the consumer for increasing his connected load in excess of the contracted load, as provided in General Terms and Conditions of Supply).	Same as Application Registration Fee
(d) Resealing of	
(i) whole current meter	Rs. 25
(ii) CT operated meters and other apparatus in the consumer's premises for all other categories.	Rs.100
The aforesaid charges do not include the additional charges payable by the consumer for breaking the seals	
(e) For changing meter only at the request of the consumer (where it is not necessitated by increase in demand permanently)	Rs.50 for Single phase meter Rs.100 for Three phase meter
(f) For changing or moving a meter board	Actual cost of material and labour plus 25% supervision charges on cost of materials and labour

3.7 Customer Charges:

Consumer Category:	Rs. / month
Category – I (A): Domestic	
0-30	25
31-75	30
76-125	45
126-225	50
226-400	55
>400	55
Category-II: COMMERCIAL & OTHERS:	
Category-II(A) (i): < 50 units per month	30
Category-II(A) (i): between 50 units to 100 units per month	40
Category-II(A) (i) More than 100 units	45
Category-II(A)(ii): Advertising Hoardings	50
Category-II(A)(iii): Function Halls / Auditoriums	50
Category-II(B): Start up power	500
Category-II(C): Electric Vehicles / Charging Stations	250
Category-III: INDUSTRY	
up to 20 HP	63
21 – 50 HP	250
51 – 100 HP	938
Category-IV: INSTITUTIONAL	
Category-IV(A): Utilities	35
Category-IV(B): General Purpose	45
All other Categories	30
Temporary Supply	50

3.8 Urgency charges for temporary supply at short notice -- Rs.200

3.9 Special rates chargeable for theft/pilferage and malpractice cases: As per the General Terms and Conditions of Supply (GTCS) approved by the Commission from time to time.

3.10 Supervision/Inspection & checking Charges for all Categories -- Rs.100

3.11 Miscellaneous works

The charges for any work which the Licensee may be required to undertake for the consumer and which is not included in the foregoing schedule, shall be the actual cost

of labour and material plus 25% on cost of labour and material to cover overhead charges. The aforesaid charges shall be paid by the consumer in advance.

3.12 Maintenance of Power factor at consumer end

The consumer should not maintain less than 0.95 power factor on the leading side. If any consumer maintains the power factor of less than 0.95 lead for a period of 2 consecutive months, it must be brought back in the range of (+) or (-) 0.95 within a period of 3 months failing which without prejudice to such other rights as having accrued to the Licensees or any other right of the Licensees, the supply to the consumer may be discontinued. This condition is not applicable to the consumers whose connected load is less than 20 kW.

4.0 Grid support charges/parallel operation charges for FY2023-24 shall be collected from the applicable generators as per the conditions mentioned below:

i. The parallel operation/grid support charges are to be applied to the total installed capacity of the generators connected to the Grid
ii. Conventional generators shall pay Rs.50 per kW per month.
iii. Renewable energy plants including waste heat recovery plants, the plants based on municipal solid waste, and the co-gen plants shall pay Rs.25 kW per month.
iv. Rooftop solar plants under net metering/gross metering policy shall pay Rs.15 per kW per month.
v. Co-gen sugar mills shall pay charges of Rs. 25 per kW per month, for a period of 4 months or actual operation period, whichever is higher.
vi. These charges shall not be applicable when the plants are under shutdown for any reason and when such shutdown period exceeds two months.
vii. PPA capacities of the generators with the DISCOMs shall be exempted from payment of these charges.

PART 'B'

HIGH TENSION (HT) SUPPLY

4 HT TARIFFS – TERMS AND CONDITIONS

These tariffs are applicable for supply of electricity to H.T. Consumers having contracted demand of 70 kVA and above and/or having a connected load exceeding 75kW/100 HP.

The applicability of the respective categories as enumerated is only illustrative but not exhaustive.

4.1 CATEGORY-I (B): TOWNSHIPS, COLONIES, GATED COMMUNITIES & VILLAS – HT

Applicability

This tariff is applicable exclusively for

1. Townships and Residential Colonies of Cooperative Group Housing Societies, Gated Communities and Villas who avail supply at single point for making electricity available to the members of such Society residing in the same premises and individuals whose domestic connected load is more than what is permitted under the LT supply.
2. Any person who avails supply at single point at HT for making electricity available to his employees residing in contiguous premises, the supply in all cases being only for domestic purposes, such as lighting, fans, heating etc., provided that the connected load for common facilities such as non-domestic purpose in residential area, street lighting and water supply etc., shall be within the limits specified hereunder:

Water Supply & Sewerage and Street Light put together	10% of total connected load
Non-domestic/Commercial General purpose put together	10% of total connected load

Voltage of Supply	Demand Charges (Rs./ kVA/month)	Energy Charges (Rs./kVAh)
All voltages	75.00	7.00

SPECIFIC CONDITIONS:

i. The billing demand shall be the recorded maximum demand during the month.

ii. Energy Charges will be billed on the basis of actual consumption or 25 kVAh per kVA of Contracted Demand, whichever is higher.

iii. The above provisions shall not in any way affect the right of a person residing in the housing unit sold or leased by such Cooperative Group Housing Society, to demand supply of electricity directly from the distribution licensee of the area.

4.2 CATEGORY-II: COMMERCIAL & OTHERS – HT

4.2.1.1 CATEGORY-II (A) (i): COMMERCIAL – HT

Applicability

This tariff is applicable to:

1. Consumers who undertake non-domestic activity.
2. Consumers who undertake commercial activity.
3. Consumers who do not fall in any other Category i.e. Category I(B): HT, Category II (B): HT, Category II (C) HT, Category II (D) HT, Category III: HT, Category IV: HT, Category V: HT.
4. Consumers who avail supply of energy for lighting, fans, heating, air conditioning and other electric appliances in any commercial or non-domestic premises such as Shops, Business Houses, Offices, Public Buildings, Hospitals, Hostels, Hotels, Choultries, Restaurants, Clubs, Theatres, Cinema Halls, Bus-Stations, Railway Stations, Timber Depots, Photo Studios, Printing Presses etc.
5. Educational institutions run by individuals, Non-Government Organisations or Private Trusts and their Student Hostels are also classified under this category.
6. This tariff is also applicable to Airports, Resorts, Amusement Parks, MICE Centers, Golf Courses, Botanical Gardens, Urban / Rural Haats, Tourism and Hospitality Training Institutes, Wayside Amenities, Spiritual / Wellness centres and Museums etc.

Voltage of Supply	Demand Charges (Rs./ kVA/month of Billing Demand)	Energy Charges (Rs. /kVAh)*
220 kV	475	6.65
132 kV	475	6.70
33 Kv	475	6.95
11 Kv	475	7.65
* Rs. 1/ kVAh Time of Day Tariff is leviable on energy consumption during the period from 06 PM to 10 PM in addition to the normal energy charges at respective voltages.		

SPECIFIC CONDITIONS

i. The billing demand shall be the Maximum Demand Recorded during the month or 80% of the contracted demand, whichever is higher.

ii. Energy charges will be billed on the basis of actual Energy consumption or 25 kVAh per kVA of Billing Demand, whichever is higher.

4.2.1.2 CATEGORY-II (A) (iii): FUNCTION HALLS / AUDITORIA – HT

Applicability

The tariff is applicable for supply of electricity to function halls & auditoria, marriage halls, convention centers and the like.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	Nil	12.25

4.2.2 CATEGORY-II (B): STARTUP POWER – HT

Applicability

The tariff is applicable for supply of electricity to startup power for Captive Generating Plants or Co-Generation Plants or Renewable Energy Generation Plants and also Merchant plants.

The Startup Power is intended for those generators who require occasional and intermittent supply for startup operations of the generating unit(s) alone. However, the Captive and Cogeneration plants* with their process plants being located in the same premises and have single connection with the grid (APTransco / DISCOMs) and who continuously depend on the licensees' supply for part of their energy requirement may be given option to either continue in their present category or to be included in this new category. Without giving an opportunity to all such generators to exercise option in this regard, the category change shall not be affected.

The conditions applicable for Startup Power are as follows:

i. Supply is to be used strictly for generator start-up operations, maintenance and lighting purposes only.

ii. Allowable Maximum Demand shall be limited to the percentage (as given below) of the maximum capacity unit in the generating station in case of generators other than Wind and Solar, and of the plant capacity in case of Wind and Solar generator.
Thermal -15%, Gas based – 6%, Hydel – 3%, NCE Sources – 10%, Wind and Solar – 2%

iii. If the Maximum Demand exceeds the limits specified above, the energy charges shall be charged at 1.2 times of normal charge for the entire energy consumed.

iv. All other conditions applicable to Category II: Commercial & Others– HT shall also apply to the Category II(B): Startup Power–HT to the extent they are not contradictory to the above.

v. This category is also applicable to all the Wind and solar plants who have PPAs with the licensees.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	Nil	12.25

**** Note:** In respect of cogeneration Sugar plants, the billing shall be* in accordance with the specific clauses of the power purchase agreements.

4.2.3 CATEGORY-II (C): ELECTRIC VEHICLES / CHARGING STATIONS – HT

Applicability

The tariff is applicable for supply of electricity to Electric Vehicles and Charging Stations that will provide electricity for charging.

Voltage of Supply	Energy Charges (Rs./kVAh)
All Voltages	6.70

Note: The DISCOMs shall collect only 90 percent of the above tariff from the charging stations.

4.2.4 CATEGORY-II (D): GREEN POWER – HT

Applicability

This tariff is applicable to all consumers other than those covered under Category II (A) (iii): HT - who wish to avail power from Non-conventional sources of energy voluntarily and show their support to an environmental cause.

Voltage of Supply	Energy Charges (Rs./kVAh)
All Voltages	12.25

Note:

i. The Tariff shall be optional and can be extended to any consumer without reference to end use purpose.
ii. A consumer shall be entitled to Renewable Energy Certificates (RECs) as may be admissible.

4.3 CATEGORY – III: INDUSTRY – HT

4.3.1 CATEGORY-III (A): INDUSTRY (GENERAL) – HT

Applicability

This tariff is applicable for supply to all consumers using electricity for industrial purpose. Industrial purpose shall mean manufacturing, processing and/or preserving goods for sale, but shall not include Shops, Business Houses, Offices, Public Buildings, Hospitals, Hotels, Hostels, Choultries, Restaurants, Clubs, Theatres, Cinemas, Printing Presses, Photo Studios, Research & Development Institutions, Airports, and other similar premises (The enumeration above is illustrative but not exhaustive) notwithstanding any manufacturing, processing or preserving goods for sale.

This tariff will also apply to:

1. Water Works & Sewerage Pumping Stations operated by Government Departments or Co-operative Societies and pump sets of Railways, pumping of water by industries as subsidiary function and sewerage pumping stations operated by local bodies.
2. Workshops, flour mills, oil mills, saw mills, ice candy, ice manufacturing units with or without sale outlets.
3. The Information Technology (IT) units identified and approved by the Consultative Committee on IT industry (CCITI) constituted by GoAP.
4. Newspaper printing units.
5. Aqua hatcheries and Aqua feed mixing plants
6. Poultry hatcheries and Poultry feed mixing plants

Voltage of Supply	Demand Charges (Rs./ kVA/ month of Billing Demand)	Energy Charges (Rs./kVAh)
Industry, ToD (HGD) (Feb'24, Mar'24), (Apr'23- May'23) & (Sep'23-Oct'23)		
Peak (06-10) & (18-22)		
11KV	475.00	7.80
33KV	475.00	7.35
132KV	475.00	6.90
220 kV	475.00	6.85
Off-Peak (10 -15) & (00-06)		
11KV	475.00	5.55
33KV	475.00	5.10
132KV	475.00	4.65
220 kV	475.00	4.60
Normal (15-18) & (22-24)		

Voltage of Supply	Demand Charges (Rs./ kVA/ month of Billing Demand)	Energy Charges (Rs./kVAh)
11KV	475.00	6.30
33KV	475.00	5.85
132KV	475.00	5.40
220 kV	475.00	5.35
Industry, ToD (LGD) (Jun'23-Aug'23) & (Nov'23-Jan'24)		
Peak (06-10) & (18-22)		
11KV	475.00	7.30
33KV	475.00	6.85
132KV	475.00	6.40
220 Kv	475.00	6.35
Off-Peak (10 -15) & (00-06)		
11KV	475.00	5.55
33KV	475.00	5.10
132KV	475.00	4.65
220 kV	475.00	4.60
Normal (15-18) & (22-24)		
11KV	475.00	6.30
33KV	475.00	5.85
132KV	475.00	5.40
220 kV	475.00	5.35
Industrial colonies		
All Voltages	NIL	7.00
Normal charges are applicable without ToD peak and off-peak to Aqua hatcheries and Aqua feed mixing plants and Poultry hatcheries and Poultry feed mixing plants.		

Note:

i. The consumption of energy exclusively for the residential colony/township in a month, separately metered with meters installed by the consumer and tested and sealed by the Licensee shall be billed at Rs.7.00/kVAh.

ii. In case segregation of colony consumption has not been done, 15% of the total energy consumption shall be billed at Rs.7.00/kVAh and the balance kVAh shall be charged at the corresponding energy tariff under Category-III(A): HT.

iii. Wherever possible, colonies of industry shall be given a separate HT service under Category-I(B): Townships, Colonies, Gated Communities and Villas– HT.

Specific Conditions

i. The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher.

ii. Energy charges will be billed on the basis of actual energy consumption or 50 kVAh per kVA of billing demand, whichever is higher.

4.3.2 CATEGORY-III (B): SEASONAL INDUSTRIES (OFF-SEASON) – HT

Applicability

This tariff is applicable to a consumer who avails energy for manufacture of sugar or ice or salt, decorticating, ginning and pressing, cotton seed oil mills, seed processing, fruit processing, tobacco processing, re-drying and Rice Mills and for such other industries or processes as may be approved by the Commission from time to time principally during certain seasons or limited periods in a year and his main plant is regularly closed down during certain months, he shall be charged for the months during which the plant is shut down (which period shall be referred to as the off-season period) as follows:

Voltage of Supply	Demand Charges (Rs./ kVA/month of Billing Demand*)	Energy Charges (Rs./kVAh)
220 kV	475	6.65
132 kV	475	6.70
33 kV	475	6.95
11 kV	475	7.65
* Based on the Recorded Maximum Demand or 30% of the Contracted Demand whichever is higher.		

During season period, billing shall be done as per Category-III(A): HT Industry - General tariffs.

Specific Conditions

i. Consumers, classified as seasonal load consumers, who are desirous of availing the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.

ii. The period of season shall not be less than 3 (three) continuous months. However, consumer can declare longer seasonal period as per their actual requirement.

iii. Consumer, who desires to have a change in the period classified as "season" declared by him, shall file a revised declaration at least a month before commencement of already declared season period. Change of season period will be allowed **twice** in a year only.

iv. Existing eligible consumers who have not opted earlier for seasonal tariffs will also be permitted to opt for seasonal tariff on the basis of application to the concerned Divisional Engineer of the Licensee.

v. The off-season tariff is not available to composite units having seasonal and other categories of loads.

vi. The off-season tariff is also not available for such of those units who have captive generation exclusively for process during season and who avail supply of Licensee for miscellaneous loads and other non-process loads.

vii. Development charges as applicable to regular HT consumers shall be paid by the consumers for availing supply under the above said category with seasonal benefits. Consumers who have paid the development charges already as regular consumers need not pay the development charges.

4.3.3 CATEGORY-III (C): ENERGY INTENSIVE INDUSTRIES – HT

Applicability

This tariff is applicable to Ferro Alloy Industries, PV ingots and cell manufacturing units, Poly Silicon Industry and Aluminium Industry.

Voltage of Supply	Demand Charges (Rs./ kVA/month)	Energy Charges (Rs. /kVAh)
220 kV	475	4.90
132 kV	475	4.95
33 kV	475	5.35
11 kV	475	5.80

Specific Condition: Energy charges will be billed on the basis of actual energy consumption or 50 kVAh / kVA/month of contracted demand, whichever is higher.

4.4 CATEGORY-IV: INSTITUTIONAL – HT

4.4.1 CATEGORY-IV (A): Utilities – HT

Applicability

The tariff is applicable to energy consumption by H.T. services pertaining to Composite Protected Water Supply (PWS) Schemes operated and / or maintained by local bodies (Panchayats, Municipalities and Municipal Corporations). The composite PWS schemes shall be as defined and modified by the Commission from time to time.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
220 kV	475	6.65
132 kV	475	6.70
33 kV	475	6.95
11 kV	475	7.65
Minimum charges: Rs.300/kVA/Year		

Note: Metering is mandatory.

4.4.2 CATEGORY-IV (B): GENERAL PURPOSE – HT

Applicability

This tariff is applicable for supply of energy to places of Crematoriums, Govt Educational institutions and Student Hostels run by Govt agencies, Charitable institutions i.e., Public charitable trusts and societies registered under the Societies Registration Act running educational and medical institutions on no profit basis, recognized service institutions and registered old age homes, orphanages and the like rendering gratuitous service to the public at large without any profit. Government Offices and Government Hospitals shall also be billed under this category.

Voltage of Supply	Demand Charges (Rs. /kVA/month)	Energy Charges (Rs. /kVAh)
220 kV	475	6.95
132 kV	475	7.00
33 kV	475	7.25
11kV	475	7.95
Minimum charges: Rs.300/kVA/Year		

Note: Government controlled Auditoria and Theatres run by Public Charitable

Institutions for the purpose of propagation of art and culture which are not used with a profit motive and other Public Charitable Institutions rendering totally free service to the general public shall also to be billed under this category.

4.4.3 CATEGORY-IV (C): RELIGIOUS PLACES – HT

Applicability

This tariff is applicable for supply of energy to places of worship such as Temples, Churches, Mosques, Gurudwaras and Goshalas.

Voltage of Supply	Demand Charges (Rs. /kVA/month)	Energy Charges (Rs. /kVAh)
All Voltages	30.00	5.00

Specific Conditions

i. The billing demand shall be the Maximum Demand Recorded during the month or 80% of the contracted demand, whichever is higher.

ii. Energy charges will be billed on the basis of actual Energy consumption or 25kVAh per kVA of Billing Demand, whichever is higher.

4.4.4 CATEGORY-IV (D): RAILWAY TRACTION – HT

Applicability

This tariff is applicable to H.T. Railway Traction Loads.

Voltage of Supply	Demand Charges (Rs. /kVA/month)	Energy Charges (Rs. /kVAh)
220 kV	350	5.50
132 kV	350	5.50

Specific Conditions

(i) The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher.

(ii) Energy charges will be billed on the basis of actual energy Consumption or 32 kVAh per kVA per month of Contracted Demand whichever is higher.

4.5 AGRICULTURE & RELATED

4.5.1 CATEGORY-V (B): AQUA CULTURE & ANIMAL HUSBANDRY – HT

Applicability

This tariff is applicable to Aqua Culture and Animal Husbandry, such as Poultry Farms, Pisci Culture, Prawn Culture and Dairy Farms etc.

Voltage of Supply	Demand Charges (Rs. /kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	30	3.85

Specific Conditions

Energy charges will be billed on the basis of actual energy consumption or 40kVAh/ kVA per Month of Contracted Demand, whichever is higher.

4.5.2 CATEGORY-V (E): GOVERNMENT / PRIVATE LIFT IRRIGATION SCHEMES – HT

Applicability

This tariff is applicable to Lift Irrigation Schemes managed by Government of A.P. and for consumers availing HT supply for irrigation.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	NIL	7.15

Note: Metering is mandatory

5. TEMPORARY SUPPLY – HT

There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed energy charges @ 1.5 times and same fixed charges of corresponding category.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	Demand charges of corresponding category	1.5 times of the corresponding HT consumer Category

Specific Conditions for release of HT Temporary Supply

i. Requests for temporary supply of energy cannot normally be considered unless there is a clear notice of three months.

ii. Estimated cost of the works means the cost of works for making necessary arrangements for supplying energy including the cost of distribution lines, switchgear, metering equipment, etc. as may be worked out on the basis of standards and norms prescribed by the Licensees from time to time plus cost of dismantling the lines and other works when the supply is no more required less the cost of retrievable material.

iii. (a) Estimated cost of the works as mentioned in para (ii) above shall be paid by the consumer in advance. After the works are dismantled and retrievable materials returned to stores, a bill for the actual amount payable by the consumer shall be prepared and the difference would be collected from or refunded to the consumer, as the case may be. No development charges shall be collected for temporary supply.

(b) In addition to the aforesaid charges payable by consumers availing temporary supply, they shall pay hire charges at 2% on cost of retrievable material per month or part thereof, for the duration of temporary supply. These charges will be claimed along with the consumption bills.

iv. (a) The consumer requiring supply on temporary basis shall be required to deposit in advance, in addition to the estimated cost of works mentioned in para (iii) (a) the estimated consumption charges at the rate stipulated in Tariff Order for Temporary supply, and worked out on the basis for use of electricity by the consumer for 6 hours per day for a period of 2 months in case the supply is required for more than 10 days. If the period of temporary supply is for 10 days or less, the advance consumption charges for the actual period requisitioned shall be paid.

(b) The bill for electricity consumed in any month shall be prepared at the tariff applicable plus hire charges as mentioned in para (iii) (b) above. The consumers have to pay monthly CC charges regularly during the period of availing temporary supply and the estimated energy consumption deposit shall be adjusted with the last month consumption bill and the balance if any shall be refunded.

(c) In the case of consumers requiring temporary supply for the purposes of Cinema, the estimated energy charges for a minimum period of 3 months shall have to be deposited by the consumer subject to the condition that the consumer shall pay every month energy and other miscellaneous charges for the preceding month and the amount deposited by him in advance shall be adjusted with the last month consumption bill and the balance amount shall be refunded.

(d) In the event of estimated energy charges deposited by the consumer having been found insufficient, the consumer shall deposit such additional amount, as may be demanded by the Licensees failing which the Licensees may discontinue the supply of electricity.

v. For new connections: Temporary supply at High Tension may be made available by the Licensees to a consumer, on his request subject to the conditions set out herein.

Temporary supply shall not ordinarily be given for a period exceeding 6 (six) months. In case of construction projects, temporary supply can be extended for a period of 3 years.

vi. Existing consumers requiring temporary supply or temporary increase in supply: If any consumer availing regular supply of electricity at High Tension requires an additional supply of electricity at the same point for a temporary period, the temporary additional supply shall be treated as a separate service subject to the following conditions.

a. The contracted demand of the temporary supply shall be the billing demand for that service. The recorded demand for the regular service shall be arrived at by deducting the billing demand for the temporary supply from the maximum demand recorded in the month.

b. The total energy consumed in a month including that relating to temporary additional supply, shall be apportioned between the regular and temporary supply in proportion to the respective billing demands.

6. GENERAL CONDITIONS FOR HT SUPPLY

6.1 Voltage of Supply

The voltage at which supply has to be availed by:

(1) HT consumers, seeking to avail supply on common feeders shall be:

For total Contracted Demand with the Licensee and all other sources	
Up to 1500 kVA	At 11 kV
1501 kVA to 2500 kVA	At 11kV subject to technical feasibility or at 33 kV
2501 kVA to 5000 kVA	At 33 kV
5001 kVA to 10000 kVA	At 33 kV# subject to technical feasibility or at 132 kV
Above 10000 kVA	At 132 kV# or above, as may be decided by the licensee

(#) Power supply at 132 kV and above shall be through an independent (Dedicated) feeder or through Loop in Loop out (LILO) arrangement as decided by APTransco.

Note:

i. While extending power supply at 33 kV for smaller demands, proper CT ratio has to be selected.

ii. The DISCOMs will extend the above power supply capacities subject to technical feasibility.

iii. The Licensee shall ensure adequate conductor capacity and if augmentation of conducted capacity is required, the necessary augmentation charges may be collected from the consumer.

iv. The Licensee shall ensure voltage regulation within the specified limits.

(2) HT consumers seeking to avail supply through independent (dedicated) feeders from the substations where transformation to required voltage takes place shall be:

For total Contracted Demand with the Licensee and all other sources	
Capacity	**Supply Voltage**
Up to 3000 kVA	11 kV or 33 kV
3001 kVA to 5000 kVA	33 kV
5001 kVA to 20,000 kVA	33 kV or above
Above 20,000 kVA	132kv or 220 kV as may be decided by the licensee

The relaxations are subject to the fulfilment of following conditions:

(i) The consumer shall pay full cost of the service line including take off arrangements at substation.

(ii) In case of Category-II and Category-III consumer categories, for whom the voltage wise tariff is applicable, the Licensee shall levy the tariff as per the actual supply voltage.

Provided that the DISCOMs shall have the right to convert an existing independent feeder into an "express feeder" and in such cases, the DISCOMs shall also compensate to the existing consumer who had paid the entire cost of line including take off arrangement in the sub-station, subject to fulfilment of following conditions:

(a) If independent feeder's age is more than 10 years, no compensation is required to be paid to the existing consumer and no service line charges shall be collected against existing feeder.

(b) If the line age is less than or equal to 10 years, the prospective consumer shall pay 50% of estimated cost of line including take off arrangement up to the tapping point.

(c) The amount paid by the new consumer shall be adjusted against the future bills of existing consumer who has earlier paid for the cost of feeder including take off arrangement.

(d) Once the feeder is converted into express feeder, no compensatory charges shall be collected from the subsequent consumers to avail power supply from that express feeder.

3. HT consumers intending to avail supply through express feeder from the sub-station where transformation to required voltage takes place shall be:

For total contracted demand with the licensees and all other sources

Description	Capacity	Supply Voltage
Total demand of all consumers	Up to 3000 kVA	11 kV
Total demand of all consumers	3001 kVA to 20000kVA	33 kV

Note: The sum total of individual contracted demands shall not exceed 3000 kVA in case of 11 kV consumers and 20000 kVA in case of 33 kV consumers.

6.2 Voltage Surcharge

H.T. consumers who are now getting supply at voltage different from the declared voltages and who want to continue taking supply at the same voltage will be charged as per the rates indicated below:

S. No.	Contracted Demand with Licensee	Voltage at which supply should be availed (in kV)	Voltage at which consumer is availing supply (in kV)	Rates % extra over the normal rates	
				Demand Charges	Energy Charges
(A) HT consumers availing supply through common feeders:					
1.	2501 kVA to 5000 kVA	33	11	12%	10%
2.	5000 kVA to 10000 kVA	33	11	12%	10%
3.	Above 10000Kva	132 or 220	33 or below	12%	10%
(B) HT Consumers availing supply through independent feeders:					
1.	3001 to 20000 kVA	33 or above	11	12%	10%
2.	Above 20000 kVA	132 or 220	33	12%	10%

Note:

i) In case of consumers who are having supply arrangements from more than one source, CMD with the Licensee or RMD, whichever is higher shall be the basis for levying voltage surcharge.

ii) The Voltage Surcharge is applicable to only existing services and licensees shall not release new services at less than specified voltage corresponding to contracted demand.

6.3 Maximum Demand

The maximum demand of supply of electricity to a consumer during a month shall be twice the largest number of kilo-volt-ampere hours (kVAh) delivered at the point of supply to the consumer during any consecutive 30 minutes in the month. However, for the consumers having contracted demand above 4000 kVA the maximum demand shall be four times the largest number of kilo-volt-ampere-hours (kVAh) delivered at the point of supply to the consumer during any consecutive 15 minutes in the month.

6.4 Billing Demand

The Billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher, except Category-I(B):HT i.e. Townships, Colonies, Gated Communities and Villas. For Category-I(B): HT the minimum billing condition of 80% of the contracted demand shall not be applicable.

6.5 Monthly Minimum Charges

Every consumer whether he consumes energy or not shall pay monthly minimum charges calculated on the billing demand plus energy charges specified for each category to cover the cost of a part of the fixed charges of the Licensee.

6.6 Additional Charges for Maximum Demand in excess of the Contracted Demand:

If in any month the Recorded Maximum Demand (RMD) of the consumer exceeds his Contracted Maximum Demand (CMD) with Licensee, the consumer will pay the following charges on excess demand and on energy (penal charges only on excess energy) calculated in proportion to the excess demand:

RMD	Demand Charges on Excess Demand	Energy Charges on Excess Energy
100% to 120% of CMD	2 times of normal charge	Normal
Above 120% and up to 200% of CMD	2 times of normal charge	1.5 times of normal charge
More than 200% of CMD	2 times of normal charge	2 times of normal charge
Excess demand and energy charges shall be computed as follows: Excess Demand = (RMD-CMD) if RMD is more than CMD with Licensee. Excess Energy = (Excess Demand / RMD) X Recorded Energy		

6.7 Additional Charges for delayed payment

The Licensees shall charge the Delayed Payment Surcharge (DPS) per month on monthly consumption charges only at the rate of 5 paise/ Rs.100/day or Rs. 550 whichever is higher. In case of grant of installments, the Licensees shall levy interest at the rate of 18% per annum on the outstanding amounts, compounded annually and both shall not be levied at the same time.

6.8 Customer charges

Every HT Consumer shall pay customer charges as applicable to them, in addition to demand and energy charges billed.

6.9 Maintenance of Power Factor at consumer end

HT consumers, who are provided with metering capable of measuring active and reactive power under the orders of the Commission, shall maintain their power factor preferably in between 0.95 Lag and 0.95 Lead in the interest of the system security. The consumers should not maintain the power factor leading side less than 0.95 Lead. If any consumer maintains the power factor less than 0.95 Lead for a period of 2 consecutive months, it must be brought back in the range of ± 0.95 within a period of 3 months failing which without prejudice to such other rights as having accrued to the licensees or any other right of the licensees the supply to the consumer maybe discontinued.

7 OTHER CHARGES FOR HT SUPPLY

7.1 Service Connection Charges

The service connection charges shall be collected as per the Regulations issued by the Commission from time to time.

7.2 Reconnection

All Categories	Charges
11 kV	Rs.2000
33 kV	Rs.4000
132/220 kV	Rs.6000

7.3 Testing

(a) Installations:	Charges
The first test and inspection of a new installation or of an extension to an existing installation.	Nil
Charges payable by the consumer in advance for each subsequent test and/or inspection if found necessary owing to any fault in the installation or to non-compliance of the conditions of supply	Rs. 300
(b) Meter	Rs.5000
(c) Transformer Oil:	
First sample of oil	Rs. 200
Additional sample of oil of the same equipment received at the same time	Rs. 300

7.4 Miscellaneous Charges

(a) Application Registration Fees	Rs. 500
(b) For changing meter only at the request of the consumer (where it is not necessitated by increase in Demand permanently)	Rs. 1000
(c) For changing or moving a meter board	Actual cost of material and labour plus 25% supervision charges on cost of materials and labour.
(d) Customer Charges:	
All categories -11 kV	Rs. 1406/month
All categories - 33 kV & above	Rs. 2813/month
(e) Urgency charges for temporary supply at short notice	Rs. 1000
(f) Special rates chargeable for theft/pilferage and malpractice cases	As per the General Terms and conditions of Supply (GTCS) approved by the Commission from time to time
(g) Supervision/Inspection & checking charges	Rs. 1000

7.5 Miscellaneous works (HT)

The charges for any work which the Licensee may be required to undertake for the consumer and which is not included in the foregoing schedule, shall be the actual cost of labour and material plus 25% on cost of labour and material to cover overhead charges. The aforesaid charges shall be paid by the consumer in advance.

8.0 Grid support charges/parallel operation charges for FY2023-24 shall be collected from the applicable generators as per the conditions mentioned below:

(i) The parallel operation/grid support charges are to be applied to the total installed capacity of the generators connected to the Grid.

(ii) Conventional generators shall pay Rs.50 per kW per month.

(iii) Renewable energy plants including waste heat recovery plants, the plants based on municipal solid waste, and the co-gen plants shall pay Rs.25 kW per month.

(iv) Rooftop solar plants under net metering/gross metering policy shall pay Rs.15 per kW per month.

(v) Co-gen sugar mills shall pay charges of Rs. 25 per kW per month, for a period of 4 months or actual operation period, whichever is higher.

(vi) These charges shall not be applicable when the plants are under shutdown for any reason and when such shutdown period exceeds two months.

(vii) PPA capacities of the generators with the DISCOMs shall be exempted from payment of these charges.

228. The payment of subsidy amounts indicated in the beginning of this chapter must be made by the Government of Andhra Pradesh to the Licensees in equal monthly instalments, in advance.

229. The above determined rates for "Category I (A): Domestic-LT" (APSPDCL & APCPDCL) & "Category V: Agriculture & Others-LT" consumers, for all the three licensees are contingent on payment of subsidy as agreed by the GoAP, failing which, the rates contained in the full cost recovery tariff schedule (Chapter-IX of this order) will become operative.

230. The rates indicated in the Retail Supply Tariff Schedule for FY2023-24 together with the terms and conditions prescribed thereunder shall be applicable in the areas of operation of 3 (three) Distribution Companies viz. Eastern Power Distribution Company of A.P. Limited (APEPDCL) and Southern Power Distribution Company of A.P. Limited (APSPDCL) and Andhra Pradesh Central Power Corporation Ltd (APCPDCL) w.e.f. 01-04-2023 to 31-03-2024.

CHAPTER – XI

CROSS SUBSIDY SURCHARGE AND ADDITIONAL SURCHARGE

Introduction

231. Sections 39(2) (d) (ii) and 40(c) (ii) of the Electricity Act, 2003 (hereinafter referred to as 'the Act') provide for payment of a Surcharge (hereinafter referred to as 'the Cross Subsidy Surcharge') when a transmission system is used for open access for supply of electricity to a consumer. Section 42(2) of the Act provides for payment of the surcharge in addition to the wheeling charges as determined by the State Commission. As per these provisions, the Cross-Subsidy Surcharge (CSS) has to be levied on the consumers who opt for open access which is to be utilized to meet the requirements of the current level of cross subsidy.

232. Section 42(4) of the Act provides that a consumer permitted to receive the supply of electricity from a person other than the Distribution Licensee of the area in which such consumer is located shall be liable to pay an Additional Surcharge to meet the fixed costs of the distribution licensee arising out of his obligation to supply.

Licensees' proposals

233. The three distribution licensees viz., Southern Power Distribution Company of A.P. Ltd. (APSPDCL), Eastern Power Distribution Company of A.P. Ltd (APEPDCL) and Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), along with ARR & Tariff filings for determination of tariff for the retail sale of electricity for FY2023-24, have submitted the proposals of CSS (Cross Subsidy Surcharge), stated to be based on the formula specified in the National Tariff Policy, 2016. The CS Surcharges filed by the Licensees for different categories of consumers are shown in the tables below:

Table 83: Filing - APSPDCL - Cross Subsidy Surcharges for FY2023-24

Category			Average Revenue Realization (Only Demand & Energy Charges)	Per Unit Cost of Power Purchase	Wheeling Charges	Applicable Loss	Cost of Regulatory Asset	CSS (Rs./Unit)	20 % of Average Revenue Realization	Applicable CSS (Rs./Unit)
		11 KV								
I	B	Townships & Colonies	7.47	4.59	1.38	9.65%	0	1.01	1.49	1.01
II	A	Commercial & Others	10.56	4.59	1.38	9.65%	0	4.10	2.11	2.11
II	iv	Function Halls/Auditoriums	12.25	4.59	1.38	9.65%	0	5.79	2.45	2.45
II	B	Start up power	12.25	4.59	1.38	9.65%	0	5.79	2.45	2.45
II	D	Green Power	12.25	4.59	1.38	9.65%	0	5.79	2.45	2.45
III	A	Industrial General	9.38	4.59	1.38	9.65%	0	2.92	1.88	1.88
III	B	Seasonal Industries	15.51	4.59	1.38	9.65%	0	9.05	3.10	3.10
III	C	Energy Intensive	8.04	4.59	1.38	9.65%	0	1.58	1.61	1.58
IV	A	CPWS	9.57	4.59	1.38	9.65%	0	3.11	1.91	1.91
IV	B	General Purpose	10.92	4.59	1.38	9.65%	0	4.46	2.18	2.18
IV	C	Religious Places	5.16	4.59	1.38	9.65%	0	0.00	1.03	0.00
V	B	Aqua and Animal Husbandry	4.00	4.59	1.38	9.65%	0	0.00	0.80	0.00
V	E	Govt./ Pvt. Lift Irrigation	7.15	4.59	1.38	9.65%	0	0.69	1.43	0.69
		33 KV								
I	B	Townships & Colonies	7.71	4.59	0.63	6.71%	0	2.15	1.54	1.54
II	A	Commercial & Others	9.45	4.59	0.63	6.71%	0	3.90	1.89	1.89
II	iv	Function Halls/Auditoriums	12.25	4.59	0.63	6.71%	0	6.70	2.45	2.45
II	B	Start up power	12.25	4.59	0.63	6.71%	0	6.70	2.45	2.45
II	D	Green Power	12.25	4.59	0.63	6.71%	0	6.70	2.45	2.45
III	A	Industrial General	7.43	4.59	0.63	6.71%	0	1.88	1.49	1.49
III	B	Seasonal Industries	14.17	4.59	0.63	6.71%	0	8.62	2.83	2.83
III	C	Energy Intensive	6.43	4.59	0.63	6.71%	0	0.88	1.29	0.88
IV	A	CPWS	8.94	4.59	0.63	6.71%	0	3.39	1.79	1.79
IV	B	General Purpose	11.52	4.59	0.63	6.71%	0	5.96	2.30	2.30
IV	C	Religious Places	5.08	4.59	0.63	6.71%	0	0.00	1.02	0.00
V	E	Govt./ Pvt. Lift Irrigation	7.15	4.59	0.63	6.71%	0	1.60	1.43	1.43
		132 KV								
II	A	Commercial & Others	8.32	4.59	0.52	3.15%	0	3.06	1.66	1.66
II	iv	Function Halls/Auditoriums	12.25	4.59	0.52	3.15%	0	6.99	2.45	2.45
II	B	Start up power	12.25	4.59	0.52	3.15%	0	6.99	2.45	2.45
II	D	Green Power	12.25	4.59	0.52	3.15%	0	6.99	2.45	2.45
III	A	Industrial General	6.69	4.59	0.52	3.15%	0	1.43	1.34	1.34
III	B	Seasonal Industries	0.00	4.59	0.52	3.15%	0	0.00	0.00	0.00
III	C	Energy Intensive	6.26	4.59	0.52	3.15%	0	1.00	1.25	1.00
IV	A	CPWS	0.00	4.59	0.52	3.15%	0	0.00	0.00	0.00
IV	B	General Purpose	0.00	4.59	0.52	3.15%	0	0.00	0.00	0.00
IV	C	Religious Places	0.00	4.59	0.52	3.15%	0	0.00	0.00	0.00
IV	D	Railway Traction	7.04	4.59	0.52	3.15%	0	1.78	1.41	1.41
V	B	Aqua and Animal Husbandry	0.00	4.59	0.52	3.15%	0	0.00	0.00	0.00
V	E	Govt./ Pvt. Lift Irrigation	7.15	4.59	0.52	3.15%	0	1.89	1.43	1.43
		220 KV								
III	A	Industrial General	7.06	4.59	0.52	3.15%	0	1.80	1.41	1.41
IV	D	Railway Traction	7.28	4.59	0.52	3.15%	0	2.02	1.46	1.46
V	E	Govt./ Pvt. Lift Irrigation	7.15	4.59	0.52	3.15%	0	1.89	1.43	1.43

Table 84 : Filing - APCPDCL - Cross Subsidy Surcharges for FY 2023-24

Cat.	Sub-Cat.	HT-Category	Average Revenue Realization (Only Demand & Energy Charges) (T)	Per Unit Cost of Power Purchase (C)	Wheeling Charges (D)	Applicable Loss (L)	Cost of Regulatory Asset (R)	CSS (Rs./ Unit) (S)	20 % of Average Revenue Realization	Applicable CSS (Rs./ Unit)
		11KV								
I	B	Townships, Colonies, Gated Communities and Villas	7.54	4.65	1.33	9.71	0.00	1.06	1.51	1.06
II	A	Commercial	10.72	4.65	1.33	9.71	0.00	4.24	2.14	2.14
II	A (iii)	Function Halls / Auditoriums	12.25	4.65	1.33	9.71	0.00	5.77	2.45	2.45
II	B	Start up power	12.25	4.65	1.33	9.71	0.00	5.77	2.45	2.45
II	D	Green Power	12.25	4.65	1.33	9.71	0.00	5.77	2.45	2.45
III	A	Industry	9.45	4.65	1.33	9.71	0.00	2.97	1.89	1.89
III	B	Seasonal Industries	12.26	4.65	1.33	9.71	0.00	5.78	2.45	2.45
III	C	Energy Intensive Industries	7.20	4.65	1.33	9.71	0.00	0.72	1.44	0.72
IV	A	Utilities	9.51	4.65	1.33	9.71	0.00	3.03	1.90	1.90
IV	B	General Purpose	10.45	4.65	1.33	9.71	0.00	3.97	2.09	2.09
V	E	Government / Private Lift Irrigation	7.15	4.65	1.33	9.71	0.00	0.67	1.43	0.67
		33 KV								
I	B	Townships, Colonies, Gated Communities and Villas	7.74	4.65	0.58	6.75	0.00	2.17	1.55	1.55
II	A	Commercial	9.87	4.65	0.58	6.75	0.00	4.30	1.97	1.97
II	B	Start up power	12.25	4.65	0.58	6.75	0.00	6.68	2.45	2.45
III	A	Industry	7.70	4.65	0.58	6.75	0.00	2.13	1.54	1.54
III	C	Energy Intensive Industries	7.43	4.65	0.58	6.75	1.00	0.86	1.49	0.86
IV	B	General Purpose	10.51	4.65	0.58	6.75	0.00	4.93	2.10	2.10
V	E	Government / Private Lift Irrigation	7.15	4.65	0.58	6.75	0.00	1.58	1.43	1.43
		132 KV								
III	A	Industry	6.81	4.65	0.47	3.75	0.00	1.51	1.36	1.36
IV	D	Railway Traction	6.78	4.65	0.47	3.75	0.00	1.47	1.36	1.36
V	E	Government / Private Lift Irrigation	7.15	4.65	0.47	3.75	0.00	1.84	1.43	1.43
		220 KV								
		-Nil-								

Table 85 : Filing - APEPDCL - Cross Subsidy Surcharges for FY2023-24

Consumer Category			Average Realization (Excluding customer charges,Minimum charges,NTI) (Rs/Unit)	Per Unit weighted Average Cost of Power Purchase (Rs/Unit)	Transmission,distribution and Wheeling Charges (Rs/Unit)	Applicable Loss %	Carrying Cost of Regulatory Asset (Rs/Unit)	Cross Subsidy Surcharge (Rs./Unit)	20 % of Average Realization	CSS (Rs./Unit)
			T	C	D	L	R	S=T-(C/(1-L/100)+D+R)	A = 0.2*T	CSS= min (S,A)
HT SUPPLY										
HT Category at 11KV										
I	B	Townships ,Colonies,Gated Communities and Villas	7.46	4.63	1.22	9.75%	0.00	1.12	1.49	1.12
II	A (ii)	Commercial Major	10.99	4.63	1.22	9.75%	0.00	4.64	2.20	2.20
II	A (iv)	Function Halls/Auditoriums	12.25	4.63	1.22	9.75%	0.00	5.90	2.45	2.45
II	B	Startup Power	12.25	4.63	1.22	9.75%	0.00	5.90	2.45	2.45
III	A	Industrial General	8.63	4.63	1.22	9.75%	0.00	2.28	1.73	1.73
III	B	Seasonal Industries	13.33	4.63	1.22	9.75%	0.00	6.98	2.67	2.67
IV	A	Utilities	9.67	4.63	1.22	9.75%	0.00	3.33	1.93	1.93
IV	B	General Purpose	11.24	4.63	1.22	9.75%	0.00	4.89	2.25	2.25
V	E	Government / Private Lift Irrigation Schemes	7.15	4.63	1.22	9.75%	0.00	0.80	1.43	0.80
HT Category at 33 kv										
I	B	Townships ,Colonies,Gated Communities and Villas	7.32	4.63	0.54	6.90%	0.00	1.81	1.46	1.46
II	A (ii)	Commercial Major	9.55	4.63	0.54	6.90%	0.00	4.04	1.91	1.91
II	B	Startup Power	12.25	4.63	0.54	6.90%	0.00	6.74	2.45	2.45
III	A	Industrial General	7.37	4.63	0.54	6.90%	0.00	1.86	1.47	1.47
III	B	Seasonal Industries	9.22	4.63	0.54	6.90%	0.00	3.71	1.84	1.84
III	C	Energy Intesnisve Industries	6.53	4.63	0.54	6.90%	0.00	1.01	1.31	1.01
IV	A	Utilities	8.02	4.63	0.54	6.90%	0.00	2.51	1.60	1.60
V	E	Government / Private Lift Irrigation Schemes	7.15	4.63	0.54	6.90%	0.00	1.64	1.43	1.43
HT Category at 132KV										
II	A (ii)	Commercial Major	8.08	4.63	0.45	3.75%	0.00	2.81	1.62	1.62
II	B	Startup Power	12.25	4.63	0.45	3.75%	0.00	6.99	2.45	2.45
III	A	Industrial General	6.85	4.63	0.45	3.75%	0.00	1.58	1.37	1.37
III	C	Energy Intesnisve Industries	6.16	4.63	0.45	3.75%	0.00	0.89	1.23	0.89
IV	D	Railway Traction	6.66	4.63	0.45	3.75%	0.00	1.40	1.33	1.33
HT Category at 220 KV										
II	A (ii)	Commercial Major	9.74	4.63	0.45	3.75%	0.00	4.47	1.95	1.95
II	B	Startup Power	12.25	4.63	0.45	3.75%	0.00	6.99	2.45	2.45
III	A	Industrial General	6.62	4.63	0.45	3.75%	0.00	1.36	1.32	1.32
III	C	Energy Intesnisve Industries	5.94	4.63	0.45	3.75%	0.00	0.67	1.19	0.67
V	E	Government / Private Lift Irrigation Schemes	7.15	4.63	0.45	3.75%	0.00	1.89	1.43	1.43

Views/Objections/Suggestions

234. The views/objections/suggestions received from various stakeholders on the proposals of the DISCOMS and the responses of the DISCOMS on the same are detailed hereunder:

235. The objections/views/suggestions of **Sri P. Narendranath Chowdary** and the responses of the DISCOMS are as below:

That the cross-subsidy surcharge may be reviewed since the proposed Cross Subsidy Surcharge is on the higher side for 132 kV Consumers.

APEPDCL's Response: The Proposals on Cross Subsidy Surcharge (CSS) for FY 2023-24 have been filed before the Commission in accordance with the National Tariff Policy (NTP) issued by the Ministry of Power, Govt. of India limiting the CSS to 20% of tariff applicable for a particular category.

That not to allow late filings on Additional Surcharge.

APEPDCL's Response: Section 42(4) is explicit and clear that an Additional Surcharge is to be paid on the specified charges of wheeling, to meet the fixed cost arising out of the obligation to supply. As per Clause 8.5.4 of the National Tariff Policy, 2016, the distribution licensee has to conclusively demonstrate that the obligation in terms of existing power purchase commitments has been and continues to be stranded or that there is an unavoidable obligation and incidence to bear fixed costs in consequence to such a contract and that fixed cost related to network assets will be recovered through wheeling charges. Therefore, the licensee is at liberty to file supplementary filings for the determination of Additional Surcharge for FY 2023-24 through appropriate petitions or applications.

That suitable orders may be issued not to levy Cross Subsidy Surcharge on the purchase of power from Indian Energy Exchange through Open Access Transactions by energy-intensive industries like chloro alkalies.

APEPDCL's Response: The proposals are filed in accordance with the National Tariff Policy (NTP), and the request not to levy Cross Subsidy Surcharge on the purchase of power from the Indian Energy Exchange through Open Access Transaction is not justified.

236. The objections/views/suggestions of **Sri kalahasthi Pipes Ltd** and the responses of the DISCOMS are as below:

That Demand charges shall not be part of Tariff 'T" while computing CSS.

APSPDCL's Response: The objector has filed Appeal No.302 of 2021 before the Honourable APTEL inter alia with a prayer that demand charges should not form part of 'T' in Cross Subsidy Surcharge formula, and DISCOM has filed its detailed response before the Honourable APTEL.

That as the tariff is differentiated based on TOD, the separate CSS should be calculated for different time slots. Since the tariff of energy-intensive consumers is categorized as a subsidized tariff, if he goes out of DISCOM to meet his energy requirement, then CSS should not be imposed.

APSPDCL's Response: The CSS is computed based on the formula in National Tariff Policy 2016. All the open access users are liable to pay cross subsidy surcharge as per Section 42(2) of the Electricity Act, 2003.

237. **Sri Jogendra Behera** has stated that the Electricity (Amendment) Rules, 2022 have capped the surcharge on open access at 20% of the Average Cost of Supply. The Discoms in the Tariff Petitions for FY 2023-24 have capped the Cross Subsidy Surcharge at 20% of the Average Billing Rate of the respective category. The details of ACoS for the HT category and capped CSS as per the amended Electricity Rules are provided in the table below:

HT Category	Input Energy for FY 23-24 (MU)	ARR Allocation for FY 23-24 (Rs. Cr)	ACoS (Rs/kWh)	CSS (20% of ACoS) (Rs/kWh) —
APSPDCL	11477.24	8102.8	7.05	1.41
APEPDCL	13737.39	8969.06	6.52	1.30
APCPDCL	4610.99	3249.61	7.04	1.41

Therefore, the Commission may cap the surcharge on open access with reference to the ACoS in line with the Electricity (Amendment) Rules, 2022.

DISCOM's Response: The ACOS computation by the objector is incorrect as he computed on input energy instead of on sales. The methodology for computation of cross subsidy surcharge in line with the Electricity (Amendment) Rules, 2022 is under the purview of the APERC.

Commission's View, Analysis, and Decision:

238. As a practice, the limitations imposed by the statute and the Tariff Policy are strictly followed by the Commission in letter and spirit while determining the CSS. Regarding the repeated objection of Srikalahasthi Pipes Ltd., every year, the Commission reiterates its earlier view as follows.

As per Section 8.5 of the National Tariff Policy, 2016, the cross-subsidy surcharge formula is given below:

$$S = T – [C/ (1-L/100) + D+ R]$$

Where

'T' is the tariff payable by the relevant category of consumers, including the Renewable Purchase Obligation. Indisputably tariff consists of two parts, namely, demand and energy charges. The formula has not excluded the demand part for calculating the Cross-Subsidy Surcharge. Therefore, the Cross-Subsidy Surcharge calculated by the DISCOMs strictly in accordance with the NTP-2016 formula does not suffer from any error requiring the Commission's intervention. However, the same is before the Hon'ble APTEL for adjudication, and the Commission would abide by any adjudication by the Hon'ble APTEL in this regard. For the energy drawn under an open access agreement with the utilities, the consumer has to pay CSS as per section 42 (2) of the Electricity Act 2003 Further, the ToD tariffs are designed for managing demand to bring the load curve as flat as possible to avoid the unnecessary surplus capacity

requirement by the DISCOMS and thus reducing the costs to be imposed on the consumers and whereas the CSS is to compensate the DISCOMS when its consumer opts to purchase energy from the outside sources other than the DISCOM, and therefore, the ToD tariffs and CSS cannot be interlinked. Further, there is a slight variation between the actual CSS, and the CSS computed based on the formula as some of the costs do not reflect in the formula. Irrespective of the actual CSS, the CSS as determined based on the formula in NTP is specified by the Commission, and if CSS so computed is negative or zero for any category, the CSS is not specified for such categories or consumers in the Order.

As regards limiting the CSS to 20 percent of ACoS in accordance with Electricity (Amendment) Rules, 2022, the Commission has to determine CSS, where open access has been permitted under section 42, in accordance with section 86 (1) a. Under section 86 (4), the Commission shall be guided by the National Electricity Policy, National Electricity Plan, and Tariff policy published under section 3 of the Electricity Act 2003.

The Electricity (Amendment) Rules, 2022 are not binding on the Commission as the same were issued in purported residuary powers of the Central Government . The CSS determination under sections 42 (2) and 86 (1) a of the Electricity Act, 2003 is the exclusive domain of the SERCs. Therefore, the Commission is inclined to determine the CSS as per the formula and methodology specified in NTP and not as per Rules.

Determination of CSS

239. The formula specified for the computation of Cross Subsidy Charges in NTP is stated as follows.

S= T – [C/ (1-L/100) + D+ R]

Where **'S'** is the Cross-Subsidy Surcharge (Rs/unit),

'T' *is the tariff payable by the relevant category of consumers (Rs/unit), including reflecting the Renewable Purchase Obligation,*

'C' *is the per unit weighted average cost of power purchase by the Licensee (Rs/unit), including meeting the Renewable Purchase Obligation,*

'D' *is the aggregate of transmission, distribution and wheeling charge applicable to the relevant voltage level (Rs/unit),*

'L' *is the aggregate of transmission, distribution, and commercial losses, expressed as a percentage applicable to the relevant voltage level, and*

'R' *is the per unit cost of carrying regulatory assets (Rs/unit).*

Provided that the surcharge shall not exceed 20% of the tariff applicable to the category of the consumers seeking open access.

The values of 'T', 'C', 'L', 'D', and 'R' in the above formula have been computed by the Commission as follows.

(i) **Computation of 'T'** Tariff payable by the relevant category of consumers (Rs/unit), including reflecting the Renewable Purchase Obligation): The Tariff is two parts consisting of Demand and Energy Charges. The Tariff 'T' is arrived at by dividing the total estimated revenue (excluding other charges like Customer Charge, Minimum Charge, and NTI) from each category by the total sale of energy to that category as considered in this order. The applicable "T" for each category of consumer is shown in the table below for ready reference:

Consumer Categories			SALES, MU			Fixed + Energy Charges (Rs. Cr)			Average Realization (Excluding Customer Charges, Minimum Charges, NTI, DPS) (Rs./unit) (T)		
			SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL
		HT Category									
		11 Kv									
I	(B)	Townships, Colonies, Gated Communities and Villas	15.58	12.12	21.84	11.64	9.14	16.30	7.47	7.54	7.46
II	(A)	Commercial & Others	362.10	403.49	624.90	382.21	432.57	686.48	10.56	10.72	10.99
II	(A)	Function Halls/Auditoriums	5.36	10.17	14.94	6.57	12.46	18.30	12.25	12.25	12.25
II	(B)	Start up power	0.03	0.01	0.04	0.04	0.01	0.05	12.25	12.25	12.25
II	(C)	Electric Vehicles (Evs) / Charging stations	0.27	0.00	0.00	0.18	0.00	0.00	6.70	0.00	0.00
II	(D)	Green Power	0.31	0.04	0.00	0.38	0.05	0.00	12.25	12.25	0.00
III	(A)	Industrial General	888.37	941.60	1594.38	832.83	889.99	1363.62	9.37	9.45	8.55
III	(B)	Seasonal Industries	7.42	0.31	16.91	11.51	0.38	22.53	15.51	12.25	13.33
III	(C)	Energy Intensive Industries	1.53	1.16	0.00	1.20	0.82	0.00	7.85	7.13	0.00
IV	(A)	Utilities - Major(Composite Protected Water Supply Schemes/PWS)	102.45	82.51	110.94	97.99	78.44	107.32	9.57	9.51	9.67
IV	(B)	General Purpose	55.81	47.95	34.62	60.93	50.12	38.90	10.92	10.45	11.24
V	(E)	Government / Private Lift Irrigation	25.19	50.13	21.98	18.01	35.84	15.72	7.15	7.15	7.15
		33 kV									
I	(B)	Townships, Colonies, Gated	2.10	2.46	11.69	1.62	1.90	8.56	7.71	7.74	7.32

Consumer Categories			SALES, MU			Fixed + Energy Charges (Rs. Cr)			Average Realization (Excluding Customer Charges, Minimum Charges, NTI, DPS) (Rs./unit) (T)		
			SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL
		Communities and Villas									
II	(A)	Commercial & Others	50.02	96.50	243.96	47.29	95.23	232.93	9.45	9.87	9.55
II	(B)	Start up power	28.61	1.76	4.24	35.05	2.16	5.19	12.25	12.25	12.25
II	(D)	Green Power	0.03	0.00	0.00	0.04	0.00	0.00	12.25	0.00	0.00
III	(A)	Industrial General	2380.69	1494.28	2148.21	770.00	1150.67	1576.08	7.43	7.70	7.34
III	(B)	Seasonal Industries	0.65	0.00	11.41	0.92	0.00	10.52	14.15	0.00	9.22
III	(C)	Energy Intensive Industries	146.04	8.50	335.76	93.82	6.26	210.04	6.42	7.36	6.26
IV	(A)	Utilities - Major(Composite Protected Water Supply Schemes/PWS)	69.71	0.00	10.54	62.33	0.00	8.45	8.94	0.00	8.02
IV	(B)	General Purpose	3.11	22.28	0.00	3.58	23.41	0.00	11.52	10.51	0.00
V	(E)	Government / Private Lift Irrigation	137.24	25.17	65.30	98.12	17.99	46.69	7.15	7.15	7.15
		132 kV									
II	(A)	Commercial & Others	49.80	0.00	58.26	41.44	0.00	47.06	8.32	0.00	8.08
II	(B)	Start up power	4.64	0.24	4.42	5.68	0.29	5.41	12.25	12.25	12.24
II	(D)	Green Power	0.00	0.02	0.00	0.00	0.02	0.00	0.00	12.25	0.00
III	(A)	Industrial General	2881.60	580.43	1684.10	927.04	395.54	1153.12	6.69	6.81	6.85
III	(C)	Energy Intensive Industries	368.07	0.00	2387.44	227.05	0.00	1405.45	6.17	0.00	5.89
IV	(D)	Railway Traction	731.34	477.18	1007.95	515.10	323.40	671.55	7.04	6.78	6.66
V	(E)	Government / Private Lift Irrigation	501.08	0.64	0.00	358.27	0.46	0.00	7.15	7.15	0.00
		220 KV									
II	(A)	Commercial & Others	0.00	0.00	55.32	0.00	0.00	53.87	0.00	0.00	9.74
II	(B)	Start up power	1.29	0.00	2.60	1.58	0.00	3.19	12.25	0.00	12.25
III	(A)	Industrial General	443.35	0.00	1192.58	312.83	0.00	789.55	7.06	0.00	6.62
III	(C)	Energy Intensive Industries	0.00	0.00	1386.08	0.00	0.00	789.76	0.00	0.00	5.70
IV	(D)	Railway Traction	148.47	0.00	0.00	108.12	0.00	0.00	7.28	0.00	0.00
V	(E)	Government / Private Lift Irrigation	843.85	0.00	2.62	603.35	0.00	1.88	7.15	0.00	7.15

(ii) **Computation of 'C'** (per unit weighted average cost of power purchase by the Licensee (Rs/unit), including meeting the Renewable Purchase Obligation): The licensee wise power purchase cost for FY2023-24 has been calculated by the Commission in the chapter -IV of this order and the same has been adopted for computation of CSS. The summary is shown below for ready reference:

Licensee	Power Purchase (MU)	Total Cost (in Rs. Cr.)	Weighted Cost of Power Purchase (Rs. / Unit)
APSPDCL	28554.10	12327.55	4.32
APCPDCL	16,847.19	7,297.88	4.33
APEPDCL	29,546.16	12,695.73	4.30

(iii) **Computation of 'D'** (the aggregate of transmission, distribution and wheeling charge applicable to the relevant voltage level (Rs/unit)):

Step1: Applicable wheeling charges at various voltage levels & Transmission charges as approved in MYT tariff orders and PGCIL charges as approved for FY2023-24 in this order by the Commission have been adopted for computation of 'D' and the same are shown below for ready reference.

Transmission & Wheeling Charges:

Network	(132 kV and above) (Rs./kVA/month)	33kV (Rs./kVA/month)	11kV (Rs.kVA/month)
APSPDCL	188.38	79.48	536.83
APCPDCL	188.38	79.48	536.83
APEPDCL	188.38	61.92	489.07

PGCIL Charges:

Network	PGCIL charges (Rs. Crs.)	Total PPR for FY2023-24 (MU)
APSPDCL	606.6	28554.09
APCPDCL	350.1	16,847.18
APEPDCL	543.3	29,546.16

Step 2: The per unit value of Wheeling and/or Transmission and PGCIL charges are arrived at by using the formulae shown below:

(i) Wheeling or Transmission Charge (Rs/kW/month)/720 (30*24)

(ii) PGCIL Charges (Cr.)*10/PPR (MU)

Accordingly, the per unit values of Wheeling, Transmission, and PGCIL charges computed are shown below:

Network	PGCIL Charges (Rs./kWh)	220kV (Rs./kWh)	132kV (Rs./kWh)	33kV (Rs./kWh)	11kV (Rs./kWh)
APSPDCL	0.21	0.26	0.26	0.11	0.75
APCPDCL	0.21	0.26	0.26	0.11	0.75
APEPDCL	0.18	0.26	0.26	0.09	0.68

Step 3: The aggregate of transmission, distribution and wheeling charge applicable to the relevant voltage level (Rs/unit) computed for each licensee based on step 1 and step 2 is as shown below:

APSPDCL:

Sl. No.	**Voltage level**	**Rs./Unit**	**Aggregate of transmission, distribution and wheeling charge**	
1	**11kV**	0.75	(1+2+3+5)	1.33
2	**33kV**	0.11	(2+3+5)	0.58
3	**132kV**	0.26	(3+5)	0.47
4	**200 kV**	0.26	(4+5)	0.47
5	**PGCIL**	0.21		

APCPDCL:

Sl. No.	**Voltage level**	**Rs./Unit**	**Aggregate of transmission, distribution and wheeling charge**	
1	**11kV**	0.75	(1+2+3+5)	1.33
2	**33kV**	0.11	(2+3+5)	0.58
3	**132kV**	0.26	(3+5)	0.47
4	**200 kV**	0.26		0.47
5	**PGCIL**	0.21		

APEPDCL:

Sl. No.	Voltage level	Rs./Unit	Aggregate of transmission, distribution and wheeling charge	
1	**11kV**	0.68	(1+2+3+5)	1.21
2	**33kV**	0.09	(2+3+5)	0.53
3	**132kV**	0.26	(3+5)	0.45
4	**200 kV**	0.26		0.45
5	**PGCIL**	0.18		

(iv) Computation of "L" (Aggregate of transmission, distribution and commercial losses, expressed as a percentage applicable to the relevant voltage level): The losses as approved by the Commission in chapter III of this order are adopted for computation of L which are shown below licensee wise for ready reference:

APSPDCL:

Network	132 kV and 220 kV	33kV	11kV	Aggregate loss
	(a)	(b)	(c)	L={1-(1-a)*(1-b)*(1-c)}
For 11kV Consumer	3.00%	3.00%	3.07%	8.80%
For 33kV Consumer	3.00%	3.00%	0.00%	5.91%
For 132 kV and 220kV consumer	3.00%	0.00%	0.00%	3.00%

APCPDCL:

Network	132 kV and 220 kV	33kV	11kV	Aggregate loss
	(a)	(b)	(c)	L={1-(1-a)*(1-b)*(1-c)}
For 11kV Consumer	3.00%	3.00%	3.07%	8.80%
For 33kV Consumer	3.00%	3.00%	0.00%	5.91%
For 132 kV and 220 kV consumer	3.00%	0.00%	0.00%	3.00%

APEPDCL:

Network	132 kV and 220 kV	33kV	11kV	Aggregate loss
	(a)	(b)	(c)	L={1-(1-a)*(1-b)*(1-c)}
For 11kV Consumer	3.00%	2.75%	3.00%	8.50%
For 33kV Consumer	3.00%	2.75%	0.00%	5.67%
For 132 kV and 220 kV consumer	3.00%	0.00%	0.00%	3.00%

(v) **Computation of 'R' (**Unit cost of carrying regulatory assets (Rs/unit)): As there is no regulatory asset, its value is zero.

240. The Commission by adopting the values as computed above in the formula provided in NTP, 2016, has computed the CSS for different categories of consumers for FY2023-24 licensee-wise, duly limiting it to + 20 percent of tariff payable by respective category of consumers wherever CSS arrived by the formula is more than 20 percent of Tariff. Accordingly, the CSS applicable for different categories of consumers for FY2023-24 in each license area is shown in the tables below:

Table 86: Approved - APSPDCL - Cross Subsidy Surcharges for FY2023-24

Consumer Categories			Average Realization (Excluding Customer Charges, Minimum Charges, NTI) (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss%	Carrying Cost of Regulatory Asset (Rs./unit)	Cross Subsidy Surcharge (Rs./ unit)	20% of Average Realization	CSS as per APERC (Rs/unit)
			T	C	D	L	R	S=T-[C/(1-L/100)+D+R]	A=0.2*T	CSS=Lesser of S and A
		HT Category								
		11 kV								
I	(B)	Townships, Colonies, Gated Communities and Villas	7.47	4.32	1.33	8.80%	0.00	1.41	1.49	1.41
II	(A)	Commercial & Others	10.56	4.32	1.33	8.80%	0.00	4.49	2.11	2.11

Consumer Categories			Average Realization (Excluding Customer Charges, Minimum Charges, NTI) (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss%	Carrying Cost of Regulatory Asset (Rs./unit)	Cross Subsidy Surcharge (Rs./ unit)	20% of Average Realization	CSS as per APERC (Rs/unit)
			T	C	D	L	R	S=T-[C/(1-L/100)+D+R]	A=0.2*T	CSS=Lesser of S and A
II	(A)	Function Halls/Auditoriums	12.25	4.32	1.33	8.80%	0.00	6.19	2.45	2.45
II	(B)	Start up power	12.25	4.32	1.33	8.80%	0.00	6.19	2.45	2.45
II	(C)	Electric Vehicles (Evs) / Charging stations	6.70	4.32	1.33	8.80%	0.00	0.64	1.34	0.64
II	(D)	Green Power	12.25	4.32	1.33	8.80%	0.00	6.19	2.45	2.45
III	(A)	Industrial General	9.37	4.32	1.33	8.80%	0.00	3.31	1.87	1.87
III	(B)	Seasonal Industries	15.51	4.32	1.33	8.80%	0.00	9.45	3.10	3.10
III	(C)	Energy Intensive Industries	7.85	4.32	1.33	8.80%	0.00	1.79	1.57	1.57
IV	(A)	Utilities - Major(Composite Protected Water Supply Schemes/PWS)	9.57	4.32	1.33	8.80%	0.00	3.50	1.91	1.91
IV	(B)	General Purpose	10.92	4.32	1.33	8.80%	0.00	4.86	2.18	2.18
V	(E)	Government / Private Lift Irrigation	7.15	4.32	1.33	8.80%	0.00	1.09	1.43	1.09
		33 kV								
I	(B)	Townships, Colonies, Gated Communities and Villas	7.71	4.32	0.58	5.91%	0.00	2.54	1.54	1.54
II	(A)	Commercial & Others	9.45	4.32	0.58	5.91%	0.00	4.28	1.89	1.89
II	(B)	Start up power	12.25	4.32	0.58	5.91%	0.00	7.08	2.45	2.45
II	(D)	Green Power	12.25	4.32	0.58	5.91%	0.00	7.08	2.45	2.45
III	(A)	Industrial General	7.43	4.32	0.58	5.91%	0.00	2.26	1.49	1.49
III	(B)	Seasonal Industries	14.15	4.32	0.58	5.91%	0.00	8.98	2.83	2.83
III	(C)	Energy Intensive Industries	6.42	4.32	0.58	5.91%	0.00	1.25	1.28	1.25
IV	(A)	Utilities - Major(Composite Protected Water Supply Schemes/PWS)	8.94	4.32	0.58	5.91%	0.00	3.77	1.79	1.79
IV	(B)	General Purpose	11.52	4.32	0.58	5.91%	0.00	6.35	2.30	2.30

Consumer Categories			Average Realization (Excluding Customer Charges, Minimum Charges, NTI) (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss%	Carrying Cost of Regulatory Asset (Rs./unit)	Cross Subsidy Surcharge (Rs./ unit)	20% of Average Realization	CSS as per APERC (Rs/unit)
			T	C	D	L	R	S=T-[C/(1-L/100)+D+R]	A=0.2*T	CSS=Lesser of S and A
V	(E)	Government / Private Lift Irrigation	7.15	4.32	0.58	5.91%	0.00	1.98	1.43	1.43
		132 kV								
II	(A)	Commercial & Others	8.32	4.32	0.47	3.00%	0.00	3.40	1.66	1.66
II	(B)	Start up power	12.25	4.32	0.47	3.00%	0.00	7.33	2.45	2.45
III	(A)	Industrial General	6.69	4.32	0.47	3.00%	0.00	1.76	1.34	1.34
III	(C)	Energy Intensive Industries	6.17	4.32	0.47	3.00%	0.00	1.25	1.23	1.23
IV	(D)	Railway Traction	7.04	4.32	0.47	3.00%	0.00	2.12	1.41	1.41
V	(E)	Government / Private Lift Irrigation	7.15	4.32	0.47	3.00%	0.00	2.23	1.43	1.43
		220 KV								
II	(B)	Start up power	12.25	4.32	0.47	3.00%	0.00	7.33	2.45	2.45
III	(A)	Industrial General	7.06	4.32	0.47	3.00%	0.00	2.13	1.41	1.41
IV	(D)	Railway Traction	7.28	4.32	0.47	3.00%	0.00	2.36	1.46	1.46
V	(E)	Government / Private Lift Irrigation	7.15	4.32	0.47	3.00%	0.00	2.23	1.43	1.43

Table 87 : Approved - APCPDCL - Cross Subsidy Surcharges for FY2023-24

Consumer Categories			Average Realization (Excluding Customer Charges, Minimum Charges, NTI) (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss%	Carrying Cost of Regulatory Asset (Rs./unit)	Cross Subsidy Surcharge (Rs./unit)	20% of Average Realization	CSS as per APERC (Rs/unit)
			T	C	D	L	R	S=T-[C/(1-L/100)+D+R]	A=0.2*T	CSS=Lesser of S and A
		HT Category								
		11 kV								
I	(B)	Townships, Colonies, Gated Communities and Villas	7.54	4.33	1.33	8.80%	0.00	1.46	1.51	1.46
II	(A)	Commercial & Others	10.72	4.33	1.33	8.80%	0.00	4.64	2.14	2.14
II	(A)	Function Halls/Auditoriums	12.25	4.33	1.33	8.80%	0.00	6.17	2.45	2.45
II	(B)	Start up power	12.25	4.33	1.33	8.80%	0.00	6.17	2.45	2.45
II	(D)	Green Power	12.25	4.33	1.33	8.80%	0.00	6.17	2.45	2.45
III	(A)	Industrial General	9.45	4.33	1.33	8.80%	0.00	3.37	1.89	1.89
III	(B)	Seasonal Industries	12.25	4.33	1.33	8.80%	0.00	6.17	2.45	2.45
III	(C)	Energy Intensive Industries	7.13	4.33	1.33	8.80%	0.00	1.06	1.43	1.06
IV	(A)	Utilities - Major(Composite Protected Water Supply Schemes/PWS)	9.51	4.33	1.33	8.80%	0.00	3.43	1.90	1.90
IV	(B)	General Purpose	10.45	4.33	1.33	8.80%	0.00	4.38	2.09	2.09
V	(E)	Government / Private Lift Irrigation	7.15	4.33	1.33	8.80%	0.00	1.07	1.43	1.07
		33 kV					0.00	0.00	0.00	0.00
I	(B)	Townships, Colonies, Gated Communities and Villas	7.74	4.33	0.58	5.91%	0.00	2.56	1.55	1.55
II	(A)	Commercial & Others	9.87	4.33	0.58	5.91%	0.00	4.68	1.97	1.97

Consumer Categories			Average Realization (Excluding Customer Charges, Minimum Charges, NTI) (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss%	Carrying Cost of Regulatory Asset (Rs./unit)	Cross Subsidy Surcharge (Rs./unit)	20% of Average Realization	CSS as per APERC (Rs/unit)
			T	C	D	L	R	S=T-[C/(1-L/100)+D+R]	A=0.2*T	CSS=Lesser of S and A
II	(B)	Start up power	12.25	4.33	0.58	5.91%	0.00	7.06	2.45	2.45
III	(A)	Industrial General	7.70	4.33	0.58	5.91%	0.00	2.51	1.54	1.54
III	(C)	Energy Intensive Industries	7.36	4.33	0.58	5.91%	0.00	2.18	1.47	1.47
IV	(B)	General Purpose	10.51	4.33	0.58	5.91%	0.00	5.32	2.10	2.10
V	(E)	Government / Private Lift Irrigation	7.15	4.33	0.58	5.91%	0.00	1.96	1.43	1.43
		132 kV								
II	(B)	Start up power	12.25	4.33	0.47	3.00%	0.00	7.31	2.45	2.45
II	(D)	Green Power	12.25	4.33	0.47	3.00%	0.00	7.31	2.45	2.45
III	(A)	Industrial General	6.81	4.33	0.47	3.00%	0.00	1.88	1.36	1.36
IV	(D)	Railway Traction	6.78	4.33	0.47	3.00%	0.00	1.84	1.36	1.36
V	(E)	Government / Private Lift Irrigation	7.15	4.33	0.47	3.00%	0.00	2.21	1.43	1.43

Table 88 : Approved - APEPDCL - Cross Subsidy Surcharges for FY2023-24

Consumer Categories			Average Realization (Excluding Customer Charges, Minimum Charges, NTI) (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss%	Carrying Cost of Regulatory Asset (Rs./ unit)	Cross Subsidy Surcharge (Rs./unit)	20% of Average Realization	CSS as per APERC (Rs/unit)
			T	C	D	L	R	S=T-[C/(1-L/100)+D+R]	A=0.2*T	CSS=Lesser of S and A
		HT Category								
		11 kV								
I	(B)	Townships, Colonies, Gated Communities and Villas	7.46	4.30	1.21	8.50%	0.00	1.56	1.49	1.49
II	(A)	Commercial & Others	10.99	4.30	1.21	8.50%	0.00	5.08	2.20	2.20
II	(A)	Function Halls/Auditoriums	12.25	4.30	1.21	8.50%	0.00	6.34	2.45	2.45
II	(B)	Start up power	12.25	4.30	1.21	8.50%	0.00	6.34	2.45	2.45
III	(A)	Industrial General	8.55	4.30	1.21	8.50%	0.00	2.65	1.71	1.71
III	(B)	Seasonal Industries	13.33	4.30	1.21	8.50%	0.00	7.42	2.67	2.67
IV	(A)	Utilities - Major(Composite Protected Water Supply Schemes/PWS)	9.67	4.30	1.21	8.50%	0.00	3.77	1.93	1.93
IV	(B)	General Purpose	11.24	4.30	1.21	8.50%	0.00	5.33	2.25	2.25
V	(E)	Government / Private Lift Irrigation	7.15	4.30	1.21	8.50%	0.00	1.24	1.43	1.24
		33 kV								
I	(B)	Townships, Colonies, Gated Communities and Villas	7.32	4.30	0.53	5.67%	0.00	2.23	1.46	1.46
II	(A)	Commercial & Others	9.55	4.30	0.53	5.67%	0.00	4.46	1.91	1.91
II	(B)	Start up power	12.25	4.30	0.53	5.67%	0.00	7.16	2.45	2.45
III	(A)	Industrial General	7.34	4.30	0.53	5.67%	0.00	2.25	1.47	1.47
III	(B)	Seasonal Industries	9.22	4.30	0.53	5.67%	0.00	4.14	1.84	1.84

Consumer Categories			Average Realization (Excluding Customer Charges, Minimum Charges, NTI) (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss%	Carrying Cost of Regulatory Asset (Rs./ unit)	Cross Subsidy Surcharge (Rs./unit)	20% of Average Realization	CSS as per APERC (Rs/unit)
			T	C	D	L	R	S=T-[C/(1-L/100)+D+R]	A=0.2*T	CSS=Lesser of S and A
III	(C)	Energy Intensive Industries	6.26	4.30	0.53	5.67%	0.00	1.17	1.25	1.17
IV	(A)	Utilities - Major(Composite Protected Water Supply Schemes/PWS)	8.02	4.30	0.53	5.67%	0.00	2.93	1.60	1.60
V	(E)	Government / Private Lift Irrigation	7.15	4.30	0.53	5.67%	0.00	2.06	1.43	1.43
		132 kV								
II	(A)	Commercial & Others	8.08	4.30	0.45	3.00%	0.00	3.20	1.62	1.62
II	(B)	Start up power	12.25	4.30	0.45	3.00%	0.00	7.37	2.45	2.45
III	(A)	Industrial General	6.85	4.30	0.45	3.00%	0.00	1.97	1.37	1.37
III	(C)	Energy Intensive Industries	5.89	4.30	0.45	3.00%	0.00	1.01	1.18	1.01
IV	(D)	Railway Traction	6.66	4.30	0.45	3.00%	0.00	1.79	1.33	1.33
		220 KV								
II	(A)	Commercial & Others	9.74	4.30	0.45	3.00%	0.00	4.86	1.95	1.95
II	(B)	Start up power	12.25	4.30	0.45	3.00%	0.00	7.37	2.45	2.45
III	(A)	Industrial General	6.62	4.30	0.45	3.00%	0.00	1.75	1.32	1.32
III	(C)	Energy Intensive Industries	5.70	4.30	0.45	3.00%	0.00	0.82	1.14	0.82
V	(E)	Government / Private Lift Irrigation	7.15	4.30	0.45	3.00%	0.00	2.27	1.43	1.43

Determination of Additional Surcharge

241. APEPDCL has stated that it will file Additional Surcharge proposals in the supplementary filings. APCPDCL & APSPDCL have stated that they will attempt to make supplementary submissions for additional surcharge determination.

Commission's decision

242. One of the stakeholders has opposed the late filings on additional surcharge. The licensees are entitled to collect additional surcharges under section 42 (4) from open access consumers, and they can not be prevented from filing supplementary filings for the determination of Additional Surcharge for FY2023-24 through appropriate petitions or applications if they are entitled to the same. If Such petitions/applications, are filed, they will be determined on their merits in accordance with law as per the prescribed procedure.

CHAPTER - XII

VIEWS/OBJECTIONS/SUGGESTIONS (GENERAL)

243. The Commission, during the public consultation process on ARR and tariff determination for the Retail Sale of Electricity for FY2023-24, has received many general views/objections/suggestions in addition to those specifically related to the ARR and Tariff determination. The Commission, having discussed the specific views/objections/suggestions at relevant places in this order, would discuss the remaining views/objections/suggestions, which are general in nature, in this Chapter as detailed hereunder:

244. The objections, views, and suggestions of **Sri M. Venu Gopala Rao & several others**, and the responses of the DISCOMS on the same are referred to hereunder:

a. **The objectors wanted to know that based** on the supply of power for nine hours a day to agriculture, what has been the difference in consumption of power in Srikakulam circle under EPDCL earlier and after the installation of IrDA meters on an average under all those service connections? Did EPDCL make any cost-benefit analysis of providing IrDA meters to agricultural pump sets in Srikakulam circle? For purchasing, fixing, and maintaining a smart meter for agricultural motors, on average, what is the expenditure being incurred? What are the results of the implementation of the DBT scheme as a pilot project? What benefit is accruing to the farmers concerned, as well as the DISCOM, because of the implementation of the scheme?

b. **That** the DISCOMs continue to fail to file the petition with supporting material to amend the open access regulations appropriately to impose restrictions on bulk load consumers to access the real-time market under open access, which shows a lack of seriousness on the part of the DISCOMs.

c. **That** it is reported that the GoAP has decided to install pre-paid smart meters for **about** 1.89 crore power consumer services in the state in a phased manner and complete the process by March 2025, under revamped distribution sector scheme (RDSS). There is no explanation as to what benefit would accrue to the consumers on account of installing pre-paid meters. Moreover, the cost of smart meters would be collected from the consumers.

DISCOMS' Response: The Govt. of India has launched the "Revamped Distribution Sector Scheme (RDSS)" on 20-07-2021 under which deployment of Smart Prepaid meters for all Domestic, Commercial, Industrial & Govt. services have been envisaged till March 2025. Smart prepaid meters are already rolled out in various States across the Nation. Govt. of India is providing a grant of up to Rs.900 per consumer meter and an additional grant

of Rs. 50 per meter if the works are completed within target. The balance expenditure is proposed to be paid to the Contract Agency on OPEX mode in monthly instalments for a maximum period of up to 93 months. Prepaid metering technology helps identification of loss pockets and consumers can plan their electricity usage as per their own needs and resources. The installation of meters facilitates continuous monitoring of supply parameters thereby improving the quality of power (voltage, interruptions) supplied to consumers.

d. **That it is obvious** that the purpose of installing pre-paid meters is to force the consumers of power to pay in advance for power to be consumed by them, contrary to the standard practice over the decades of consumers paying power bills monthly/bi-monthly for the power consumed by them. What is wrong with the present post-paid arrangement and what is the benefit and to whom with a pre-paid arrangement under the proposed smart meters is left unexplained by its sponsors.

   DISCOMS' Response: In the present case it takes around 45 - 60 days for DISC0Ms to receive payment from consumers for the electricity supplied. Consumers also will be able to control their expenditure on power bills through smart prepaid meters. The other advantages of prepaid Smart Meters are online meter readings on scheduled dates, accurate billing, the facility to track usage and spending, future load forecasting, and an advanced power purchase plan, etc.

e. **That** the DISCOMs have a grace period of one month to pay bills to generators/suppliers of power for the power supplied by them and even have rebate if they pay before the grace period. Under the existing arrangement, consumers are given a period of 14 days from the date of issuing the bill for paying their bills for power consumed by them in a month. If payment of the monthly bill is delayed, exceeding the due date, the penalty is being collected by the DISCOMs, besides disconnecting the service. Moreover, all the permissible expenditure and return on equity for supplying power to consumers from the point of generation to the endpoint is being passed through in the form of tariffs to be paid by the consumers. When such is the case, why should the consumers be forced to pay in advance for power to be consumed by them under the arrangement of pre-paid meters?

   DISCOMS' Response: The change in billing pattern is inevitable with technological advancements like the introduction of IR Port Billing for the IRDA meters installed at the consumers. Similarly, the Prepaid billing will be on certain guidelines with the approval of the APERC.

f. **That** as per Regulation 6 of 2004 of APERC, the “security deposit amount shall be two months charges in case of monthly billing and 3 months charges for a

bi-monthly billing." In addition to collecting such a security deposit from the consumers, the DISCOMs also are collecting additional security deposits whenever the consumers exceed their contracted load. Then why should the consumers be forced to pay in advance for power to be consumed by them under the arrangement of pre-paid meters?

DISCOM's Response: As per Regulation No.6 of 2004 clause 4.3 (Amended vide Regulation No.3 of 2013 w.e.f 19.07.2013) security deposit will not be collected from the consumer who opts for supply through the pre-paid meter.

g. **The** Commission may direct the DISCOMs not to proceed with the implementation of the installation of pre-paid meters to service connections of consumers of power in the state.

APEPDCL's Response: The Commission has approved the Investment proposal for taking up the Revamped Distribution Sector Scheme (RDSS) in APEPDCL. Accordingly, in APEPDCL, it is proposed to provide 12,55,240 Nos. Smart Meters to Consumers, 77,244 Nos. Smart Meters to Distribution Transformers and 3,891 Nos. Smart Meters to 11 KV Feeders under the RDSS Scheme with an estimated cost of Rs.947. 15 Cr.

APSPDCL and APCPDCL's Response: The matter is under the purview of the Commission.

h. **That** allowing private operators to use the distribution network of the DISCOMs or rather, forcing the DISCOMs to allow private operators to use their network on a lease, with DISCOMs themselves maintaining the network, is nothing but forcing the latter to lose a considerable part of their business, especially cross-subsidising component, to private operators, who get the opportunity to cherry-pick. Will the GoI apply this approach to allow utilisation of such networks of private companies in this manner, for example, utilising the network of private telecom companies by others? **DISCOMS' Response:** The matter is under the purview of the Commission.

245. Sri K. Prabhakar Reddy & Others' objections and DISCOMS's replies:

a. The experience gained by EPDCL in fixing IRDA meters to agl. services need to be shared and accordingly, the proposal of smart meters for all agl. connections are to be examined.

APEPDCL's Response: IrDA meters were fixed to all Agricultural services in Srikakulam Circle under the DBT scheme as a pilot project. The Government of AP has appointed Prayas Energy Group to study the implementation of the pilot project. Accordingly, Prayas has conducted a field-level study and submitted the report directly to the Government. The Benefits due to the implementation of the DBT scheme for agricultural farmers are to record accurate consumption of services, detect interruptions, and take remote meter

readings. The above-said processes will increase transparency between consumers and Discoms and guide DISCOMS in estimating future demand and infrastructure requirements. Hence, Smart meters are proposed to be fixed to agriculture services.

b. **The** Commission may examine and seek clarifications from the DISCOMs on the problems associated with metering agricultural service connections and implementation of the proposed DBT scheme.

DISCOMS' Response: The matter is under the purview of the Commission.

246. **Sri T. Tarasingh, Sri Syed Parvez Karvetinagar, & Sri Kakarla Guruswamy Naidu** have requested the Commission to change clause 19(3) of the YSR free agriculture cash transfer scheme application which mandates the transfer of cash deposited in the account of farmers to APSPDCL, to express dissent on the scheme.

APSPDCL's Response: As part of the YSR free agriculture cash transfer scheme, meters will be fixed for all the agriculture services. The Government deposits a one-month subsidy amount in the account separately opened in favour of the farmer in advance. The deposited amount is transferred to the DISCOM account after intimation of meter readings to the Government. In this method, there is no burden on the consumer. Keeping in view the aim of the scheme, the request of the objector to change clause 19(3) of the YSR free agriculture cash transfer scheme application is not justifiable.

247. **Sri T. Tarasingh** has requested the Commission to extend the payment due date up to the month ending and avoid LPS/DPS, deleting the rule relating to the disconnection of services for delayed payment. The Reconnection charges are being shown in bills without actual disconnection of services. If DISCOM intends to levy such charges, they should give an uninterrupted power supply. The DISCOM and its consumers shall have cordial relations and work without loss to each other.

APSPDCL's Response: The DISCOMs are liable for penal charges if they are unable to pay the generators' and transmission licensees' bills within the stipulated time. If the consumers do not pay CC charges within the stipulated time, DISCOMs have to lose. Hence, the contention of the objector that it is atrocious to levy a fine on late payment of CC charges is not justified. Along similar lines, the request of the objector to allow for payment of bills up to the 30th of the month is not justifiable. Consumer Services are disconnected if the bills pertaining to the services are not realised within 30 days from the issuance of the bill. Such services are liable for payment of reconnection fees. If any specific complaint exists, the objector can approach the nearest section officer or AAO/ERO. The consumers are given 15 days time to pay the CC bills and another 15 days for payment with a surcharge. Therefore, the consumers are given 30 days before disconnection. Hence, the contention of the objector that

services are being disconnected for a one-day delay in payment is wrong. Supply interruptions are bound to happen because of various reasons. It is not correct to link the bill payment obligation with the supply interruptions. If the consumers delay payments, Discoms will face cash flow and payment problems. Hence, the Discoms have to act strictly in the collection of CC charges. DISCOM wishes that the consumers understand the same with open hearts and cooperate with Discom.

248. **Sri A. Punna Rao** has requested information on peak load demand, availability of wind, solar and hydel power, RE Power percentage in total power, expected installation of Hydro pumped storage capacity, expected date of receipt of power of 7000 MW solar power, percentage of theft of energy, theft of energy cases booked during FY 2021-22 and up to Dec 22 and penalty levied, Commissions' directions on the theft of energy, number of fishpond/prawn connections and theft cases booked on them, CC charges and Subsidy dues to be received from Govt., savings on account of energy conservation, reasons for not paying salaries to employees on 1st of every month, expected date of completion of meters installation to agl. services, power procurement growth percentages for FY 2023-24 to FY 2026-27, and the DISCOMS's views on proposed pumped hydel power installations, etc.

DISCOM's Response: Furnished the information as requested.

249. **Sri Kumkum Munaswamy Naidu** has stated that awareness campaigns shall be conducted for the farmers on "**Jagananna Jalakala**". The power supply shall commensurate with the increased demand for power. Energy wastage shall be avoided by conducting the survey. Spares and materials shall be made available to the staff working in rural areas to repair the defects. That the physical copy of the RST Order for FY 2023-24 shall be supplied to the objectors.

APSPDCL's Response: The awareness campaigns were already conducted by the Village Secretariat employees and APSPDCL staff. Jalakala registrations were completed and the services would be released after payment of necessary charges by GoAP. **The** continuous and uninterrupted power supply (9 Hrs supply for agriculture) is extended to consumers by effective utilization of resources. In order to identify energy wastage, an energy audit is being conducted on 1008 Nos. town and Mandal headquarters' feeders. In order to curtail theft, the DPE wing is working. Required tools and materials were provided to all field staff for conducting repairs and maintenance. The supply of a physical copy of the RST Order for FY 2023-24 to the objectors is under the purview of the APERC.

250. **Sri Kakarla Guruswamy Naidu & Sri D.Narasimhulu Naidu** have stated that Special vehicles with trained staff and required materials shall be made available at the sub-division level to repair the damaged lines during natural calamities.

He has further stated that the tariff burden imposed on consumers is high for the last

three years. The DISCOMs are collecting an additional security deposit to the extent of Rs.10,000 from each service. The pending agricultural connections shall be released immediately. Regulations 4 of 2013, 3 of 2016, and 2 of 2017 shall be amended after public opinion. The material required for the rectification of Lines and AB Switches shall be made available in rural areas as per the time schedule for better service to the consumers.

APSPDCL's Response: Necessary equipment and staff are available at the subdivision to restore normalcy in case of the occurrence of natural calamities. **That** small changes were made in the tariff in accordance with the increasing supply cost in the past 3 years. As per the RST Order for FY 2022-23, The applicable tariff in slabs 0-30, and 31-75 units is far lesser than LT CoS of Rs.7.40. Discoms are collecting additional consumption deposits as per Regulation 5 of 2004. Hence, the statement of the objector that Discoms are collecting Rs.10000 per household towards additional consumption deposits is far from the truth. The agricultural services will be released as per seniority and Government quota. The request of the objector to amend regulations is under the purview of the Commission. The inspections are being conducted on lines and AB switches to rectify any shortcomings.

251. **Sri D. Narasimhulu Naidu** has stated that AB switches shall be provided to all DTRs installed under HVDS in order to avoid accidents. The cables laid under HVDS are of poor quality and the damaged cables should be replaced.

APSPDCL's Response: AB switches are being fixed to mother DTRs under HVDS, AB switches will be fixed at required locations in a phased manner. The damaged cables will be changed upon registration of complaints at the call center.

252. **Sri N. Muni Rathnam Reddy** has requested to replace the damaged old conductors in order to avoid electrical accidents. The uninterrupted 9 hours of power supply shall be maintained for Agl. The failed Agricultural DTRs shall be replaced immediately when reported. The agriculture services are not being released despite payment of requisite charges and the same shall be released. An uninterrupted single-phase supply should be given.

APSPDCL's Response: The damaged conductors will be replaced in a phased manner. The 9 Hours daytime supply is extended to farmers and in some areas supply is given in 2 spells as per the demand of the farmers. The Agriculture transformers are replaced within stipulated norms specified in the SoP. With regard to the release of agriculture services, the consumer should visit the concerned section officer along with the required documents. The uninterrupted single-phase supply is extended to consumers except during emergencies.

253. **A. Chenchu Lakshmi** has requested the Commission to give necessary instructions to DISCOMs for the regularisation of outsourcing employees.

APSPDCL's Response: The issue of the Regularisation of outsourcing employees is not related to ARR and Tariff petitions of Discoms.

254. Sri M. Krishna Murty's objections, and DISCOMS' replies:

a. **The unit** of electricity billing shall be kWh, not kVAh. As per the International Bureau of Weights and Measures in SI units, KW is the unit of power and KWH is the billing unit for consumers for billing. The DISCOMs' power purchases and corresponding payments are made based on KWh units. Hence restore the unit of power as KWH.

   APEPDCL Response: Prior to the implementation of kVAh billing, the consumption and billing were being done for active power and the effect of reactive power was considered in the form of a power factor penalty. Duly dispensing with power factor penalty, the mode of billing procedure was changed from "kWh-based billing" to "kVAh-based billing". The objective of introducing this measure was to ensure a reduction in line losses that occur due to the low power factor. kVAh-based billing is for encouraging consumers to maintain a near-unity power factor. Also, this resulted in less consumer demand and lesser demand charges for the consumer and also in reducing demand on the system, reduction in technical losses, and improved system voltages.

b. **That the** Grid-connected solar pump sets have advantages and therefore they shall be promoted. The DISCOMs may install solar rooftop systems in their empty space in offices and substations.

   APEPDCL's Response: APEPDCL installed Solar Roof Top plants in its offices substations, and also at Collector's Offices. The Solar Roof Top plants were installed at 75 locations with a capacity of 1236 kWp at various locations under the IPDS Scheme in the Jurisdiction of APEPDCL. Further under MNRE sanctioned and subsidised scheme, 8MW SRT capacity for the residential sector, and 2.67 MW capacity were installed against the sanctioned capacity.

255. Sri. Gopalakrishna Tikkireddy's objections and the DISCOMS' replies:

a. The various reasons leading to electrical accidents are brought out**.**

   APEPDCL's Response: Furnished the reply point-wise.

b. A centralised Command Centre for handling complaints and monitoring Standard of performance (SOP) norms shall be in place.

   APEPDCL's Response: A **Centralised** Command Control Center (CCC) with a Toll-free number of 1912 has already been established for handling complaints/suggestions from the consumers.

c. Outsourcing staff working at the same place/seat for 10 to 15 years shall be transferred to prevent rampant corruption

APEPDCL's Response: The suggestion is noted.

d. O & M technical staff should get a fitness certificate every year from a third party like the Deputy Electrical Inspector cadre in government.

APEPDCL's Response: The competency and working of O & M staff is being followed as per regulations of APEPDCL.

e. Work costing even Rs.5000 should be taken up under the turnkey system.

APEPDCL's Response: The execution of electrical works should be carried out by following the REC standards. In this regard, the suggestion to execute the work by the applicant with a meager estimated cost of Rs. 5000 may not be possible.

f. Traditional RCC poles shall be replaced with spun poles in coastal areas where it is prone to cyclones and heavy wind.

APEPDCL's Response: APEPDCL is already implementing the erection of spun poles in coastal areas.

g. MRT testers working at the same places for a long time caused huge losses to the company by misusing their power, getting bribes, and noting the burnt meters as struck meters. They also sell meter covers each at Rs.40. The MRT staff who work at the same places for a long time shall be transferred to prevent corruption.

APEPDCL's Response: As per the general transfer Guidelines issued from time to time, the O & M staff are being transferred within the TRE & M&P division level. There is a specifically designated officer to verify the meters received from the field & declare **them** as Stuck/Burnt meters as the case may be. Issue of Seals/Sealing of meters are being strictly monitored through computerised data and there is no scope for alleged objection.

h. P&MM is purchasing low-quality material (for Substations and lines), leading to fatal electrical accidents. If we compare APEPDCL material with nearby Union territory Yanam electrical department material with respect to quality and price, the facts will emerge.

APEPDCL's Response: The materials are being procured through an e-procurement portal as per the applicable technical specification of the organisation, Indian **Standards**, and REC drawings. Further after placing the Purchase Order, before delivery, 5 to 10 percent of the material being tested by third-party agencies (Electrical research and development association ERDA and Dr. Amin controllers Pvt Ltd) at the factory premises, and after satisfactory reports received from them, dispatch instructions will be issued to the supplier. The delivered materials are inspected by the quality control team (in the cadre of Executive Engineers) in the respective stores after receipt.

i. RAPDRP is a SCAM Scheme. The LTTVR meters were erected at every DTR under the Scheme, no meter is now working including software. The AE/ADEs sanction DTRs at apartments free of cost by getting huge bribes from the consumers. It can be seen that there are 2 Nos 63 KVA DTRs existing at apartments where 1No.100

KVA DTR is required.

APEPDCL's Response: No specific complaints are received on mis - utilisation of **transformers** sanctioned under the RAPDRP Scheme.

j. The charges paid by rural consumers and urban consumers remain the same. Power cuts are mostly imposed in rural areas, and treating rural consumers as 4th class citizens is not appropriate for power companies.

APEPDCL's Response: There is no discrimination between urban and rural consumers. Load reliefs are being given only when there is a shortage of power mostly due to **shortages** in the wind and solar power generation. On average 23.29 Hrs of Supply per day is being extended to Rural areas in APEPDCL.

256. **Digital Infrastructure Providers Association (DIPA)** has stated that in other states, telecom infrastructure providers are allowed to use their own capital expenditure to electrify telecom towers, a process that is less expensive than having it done by the state power department. Therefore, allow telecom infrastructure providers in AP to electrify towers using their own capital expenditure to save costs. That facilitates priority connections with smart meters for the telecom industry and provides 24/7 power supply to telecom sites. A consolidated invoice is to be generated against multiple connections of one Telecom Infrastructure provider over the billing cycle, bills may be sent via email, enabling online bill payment.

APCPDCL Response: The Power is being supplied 24/7 to all the consumers (except Agl) in APCPDCL. Implementation of consolidated billing for multiple connections is not feasible. The rolling out of smart meters for consumers is underway. HT services bills are being sent through e-mail also and online bill payment is being provided.

257. **Sri CH. Venugopal Rao has s**tated that the Central Government issued 50,000 Nos pump sets on 17.03.2021 and wanted to know whether the same are given to Agriculture consumers. Further, he sought for providing information on the number of solar pump sets provided to farmers sanctioned by GoI, power issues to lift irrigation schemes, and meter fixing to agl. connections and DTRs.

DISCOMS' Response: No pump sets have been received from the GOI. There is no problem supplying power to lift irrigation schemes. It is proposed to fix meters to all agriculture services under the YSR Direct Benefit Transfer scheme. The meters are also being fixed for all the transformers**.**

258. **Sri A. G. Rajmohan** has requested not to proceed with the program of switching over to Smart Meters for domestic consumers at their cost. The move to privatise Discom should be dropped and the Public Sector Units should be strengthened for the public to reap the benefits. The substantial subsidies should be extended for captive and nonconventional energy production.

APEPDCL's Response: The Smart meters are proposed to be installed to Government,

Industrial, and Commercial & HT Services under Phase- I of RDSS. At present, there is no activity of privatisation and it is not under the purview of APEPDCL. MNRE & NREDCAP are extending subsidies and the same also is not under the purview of APEPDCL

259. **Sri Yallapu Suryanarayana & Others** have stated that out of the 506 connections released under category V (B) aquaculture and animal husbandry category, DTR costs had been collected from 45 farmers against regulations 4 of 2013 and the proceeding dated 29.05.2015 and 08.01.2021. The extra costs collected from 45 Nos farmers shall be returned. That Failed DTRs in respect of agl. services in Rajahmundry circle were not replaced within 48 hours as per regulations and because of this, some farmers have lost their crops. Therefore, compensation shall be arranged for such farmers. Compliance with the directions issued by the Commission shall be reviewed regularly. The SoP norms for urban and rural areas shall also be reviewed. The physical copy of the RST order for FY 2023-24 shall be sent to the objectors who participated in public hearings as per the earlier practice of the Commission.

APEPDCL's Response: The 49 Nos. Aquaculture applicants have registered for dedicated Distribution Transformers and hence the charges are collected for the same. As per the APERC SOP Regulation No 07/2004, the replacement time for failed DTR in rural areas is 48 hours. Accordingly, the said failed distribution transformer of SC.No:1424560322000708, Siripuram Village, Eleswaram Mandal, Kakinada District is reported on 25-11-2022 and replaced on the same day. The SOP norms given by the Commission are implemented according to the conditions at the field level. APEPDCL regularly monitors and issues instructions to the field officers to follow the directions issued by the Commission from time to time. With regard to the supply of the Tariff Order physical copy, the matter is under the purview of the Commission. However, the Tariff order will be placed on APERC and DISCOMs websites.

260. **Sri Yallapu Suryanarayana, Sri Mutyala Sreerama Nagendra Prasad, Sri Yalla Venkatanandam, Sri Kouluru Pathiraju, Sri Akula Hari Babu, Dhadisetti Janaki Pavani Lakshmi, Sri Jajimoggala EswaraRao, Sri RasamSetty Raja Babu, Sri A. G. Rajmohan, Sri Kumkum Munaswamy Naidu, Sri N.Muni Rathnam Reddy, Sri Madala Venkateswarlu, Sri P. Gopi Rayudu, Sri Kakarla Guruswamy Naidu, Sri D.Narasimhulu Naidu, N.Muni Rathnam Reddy, Sri Gadagottu Rambabu, and Sri A. Satish Kumar** have strongly opposed the fixing of meters to Agriculture services for implementing the DBT scheme. They have stated that smart meters installation for farm connections to implement DBT shall be withdrawn considering the background in which the free power policy was introduced. The other reasons for objecting to fixing smart meters to Agriculture connections are who should be held responsible for the safety of smart meters, excess power consumption, replacement in case of theft, damage, repair of the meters, the excess cost of smart meters in comparison with

neighbouring states, and other operational issues with smart meters.

DISCOMS' Response: As per G.O.M.S.No.22, dt 01.09.2020 of Andhra Pradesh, the installation of meters for agricultural connections will be implemented. By installing meters, the power supply data in the meter will enable Discoms to ensure the quality and timely supply to the Agricultural Pump sets. The Farmers will have the right to demand quality power supply as per the time schedule. It increases transparency between the Farmers and DISCOMs. The DISCOMs can arrive at the actual % of energy losses. Voltage profiles can be viewed online so that corrective action can be taken up with no lapse of time either with regard to the low voltage pockets or overloading pockets. The government will know how much money is spent on each farmer.

261. **Sri Gurajala Malyadri** stated during the public hearing that the installation of smart meters is postponed in Assam. The majority of the states in India also did not take up the installation of smart meters. In this scenario, it is not correct to move forward with the installation of smart meters for Agricultural consumers with a huge cost in our state. Moreover, there is a huge cost difference in the rates of smart meters compared to other states. Hence, the proposed smart meters installation for farm connections shall be withdrawn and the Commission shall not permit the installation of smart meters as there are alternative methods for computation of agricultural sales with less expenditure. He also stated that in Southern India, smart meters have not been installed for domestic consumers, hence, the Commission should not permit the burden of smart meters on the crisis-hit people of Andhra Pradesh. And it is as such that to benefit the contractors under the pressure of the Government, the DISCOMs are moving ahead in installing smart meters. Therefore, APERC should not permit smart meters.

He further stated that there is news that the DISCOMs are procuring Distribution Transformers costing Rs. 61000 each at Rs.1.30 lakhs in huge quantities without the utilisation of the same. The Commission may conduct an enquiry on the enormous increase in the purchase price of DTRs, payments made to M/s Shirdi Sai Electricals, and other irregularities in procurement.

DISCOMS' RESPONSE: As part of the reforms initiated by the GoI, the GoAP vide GO Ms. No.22, Dt:01.09.2022 has issued orders for the installation of smart energy meters to all agricultural consumers in the entire state. Further, the Ministry of Power has issued guidelines on the "Reform based and Result linked, Revamped Distribution Sector Scheme **(RDSS)** "to improve operational efficiencies and financial sustainability, by providing financial assistance to DISCOMs thereby improving the quality, reliability, and affordability of power supply to consumers. As part of the implementation of the Central Government's RDSS scheme in the first phase, commercial, industrial, and government institutions, transformers, and 11 KV feeders

have been chosen to install smart meters with the approval of APERC.

262. **Sri Medasani Vijaya Bhaskar** has stated that the electricity poles installed between Benz circle and the auto nagar bus terminal were obstructing the traffic movement and there is no action despite it being brought to the notice of the APCPDCL earlier. The apartment's DTR installed in Yanamalakuduru is blocking the road. Meters shall be installed in every substation and at every DTR. There is no necessity to install meters for every borewell. The KUSUM scheme shall be extended to all farmers. Permission shall be given for the installation of SRT systems at every house. DTRs shall be installed free of cost. Transfer of officers shall be effected once in three years.

APCPDCL Response: These issues are not relevant to the ARR proposals. The objector can submit a representation to SE/Operation or DE/Operation on the above issues and they will examine case-wise and take appropriate action.

263. **Sri Y. Kondaiah** has stated that ex-gratia given by the DISCOMs to victims of electrical accidents is not sufficient. Further, he stated that measures need to be taken by the DISCOMs to control accidents and that victims need to be compensated based on the extent of the accident.

DISCOMS' Response: To minimise the accidents, remedial measures such as rectification of loose spans, leaned poles, cut jumpers, damaged insulators, and reconductoring of damaged conductors are being taken up by the licensee. Safety awareness programs are also conducted for the benefit of the consumers.

264. **Sri Sayed Parvez** has stated that there are frequent power interruptions in Karvetinagar and the same shall be rectified.

APSPDCL's Response: The objector may approach the section officer concerned to get the issue resolved.

265. **Sri Sayed Parvez, Sri Kakarla Guruswamy Naidu, & Sri K. Chandra Babu** has stated that the alignment of the line items of the bill is not proper, causing difficulty for the consumers in understanding the bill.

APSPDCL's Response: The instructions were already issued to the contractors for taking care of the alignment of items in the bill.

266. **Sri Meesala Basavapunnaia** has stated that the DISCOMs have replaced the energy meters with China Meters in the name of new Technology, and these meters were also changed 3 times which causes a heavy burden and loss to Vidyut consumers. The consumption recorded in these meters is also abnormally high.

APCPDCL's Response: The Old or defective energy meters are replaced with high-accuracy energy meters (IRDA) for accurate recording of the energy consumption. Any energy meter with abnormal reading is tested on the complaint and if found defective

is replaced with a healthy one and the CC bills are revised accordingly.

267. **Sri K. Prabhakar Reddy & Others** have stated that as per the GOI, the true-up charges should be adjusted monthly and there is no need for a public hearing. That the True-up system shall be dispensed with as these regulatory procedures are against the spirit of the Act.

APSPDCL's Response: The Power Purchase true-up is being done as per the Commission's regulations**.**

268. **Andhra Pradesh United Citizens Forum has** requested to stop collecting True Up charges from consumers. The cause of a loss should be identified and addressed accordingly. If any loss is still incurred the same shall be borne by the government.

APEPDCL's Response: The true-up petitions were filed in accordance with Regulation 4 of 2005. The Commission determines the tariffs based on the ARRs and Revenues estimates filed by the Licensees. The differences between the estimates and the actuals are bound to happen and the true ups for the past periods are inevitable.

269. **Sri. CH. Babu Rao** in addition to his written submissions has stated during the public hearing that there are many pending agriculture applications for 2 years. The DISCOMs should publish a white paper on pending agricultural applications, services released, and reasons for pendency. That DTRs and poles are being procured by making advance payments but keeping them idle at section offices and not releasing the services on the grounds that material is not available. The APEPDCL has not furnished the details of the subsidy dues pending and the data furnished by APSPDCL and APCPDCL is not correct on subsidy dues. It is learnt that there are Rs.25000 Cr subsidy dues pending to be received from the Government by the DISCOMs, which should be released immediately. If any delay in payment of subsidy dues in advance occurs, for such delay the Government should bear the interest cost on loans obtained by the DISCOMs and that cost should not be passed on to the consumers. The DISCOMs should furnish the details of the payments made in advance for the infrastructure provided in Jagananna Colonies. That the DISCOMs have been collecting the True-up charges of Rs.2900 Cr for FY 2014-19 in instalments, and there is another True up burden on the consumers expected for FY 2021-22 & FY 2022-23. This type of true-up claim is not there in any sector to claim the differential charges pertaining to the periods way back to 5 years, hence opposing the true-up system and the same should be cancelled. Also, there is an additional burden on the consumers due to the levy of many other charges like Customer charges, Fixed charges, ED, and True-up charges. The CMDs say in their presentations that the T&D losses have decreased and the internal efficiency has increased, but the tariffs and deficits are increasing. The policies of the central and state government are the main reasons for tariff hikes. The GoAP should announce during the public hearing that they would pay

the deficit of Rs.13000 Cr and should provide a written commitment to that extent. That he opposes the GOI monthly True up proposal and the state government should also oppose the same. That fixing prepaid smart meters under the RDSS scheme by incurring an expenditure of Rs 13000 Cr is a wasteful expenditure and is only to benefit the contractors. It is better to spend that amount on the strengthening of the distribution system like the erection of Transformers, poles, laying of lines, etc under the RDSS scheme to minimise accidents. The accidents are increasing day by day due to poor distribution networks. The DISCOMs did not furnish the details of the accidents that occurred during the year and the compensation paid. The DISCOMs should pay a compensation of Rs.25 Lakhs for each fatal accident. There shall be only one slab of up to 50 units. The linking of the electricity consumption to "navaratnalu schemes" is not correct. He also stated that the denial of free power to SC & ST consumers on the pretext of them not living in dalithwads is not correct. He also raised the procurement of material at comparably high rates by the DISCOMS quoting DTR costs and requested an enquiry. The Genco, Transco, and DISCOMs should be continued as PSUs under the control of the government only.

270. **Sri. Kandarapu Murali in addition to his written submission** has raised certain objections similar to that of Sri Ch. Babu Rao during the public hearing, Further, he has stated that electricity connections are denied to the houses constructed in Matham lands in Tirupthi on the ground of land disputes. Since the people are living there for 25 to 30 years, the service connections to the above houses as per the procedure followed earlier may be released. The benefit of free power of up to 100 units for MBC consumers is not implemented in many places.

271. **Sri. B. Tulasidas,** has stated during the public hearing that his objections are the same as those raised by Sri M. Venugopala Rao and Sri Ch. Babu Rao. The three DISCOMs have furnished different replies to his written submissions on providing smart meters. The study related to smart meters has been conducted by the Prayas group in the Srikakulam district but the report is not disclosed. The Prayas stated that there are problems with smart meters and danger in fixing the same. The state governments of Telangana, Kerala, Tamilnadu, and some other states have not agreed to fix smart meters in their states. When the existing IrDA meters are working perfectly, it is not necessary to replace them with smart meters. There will be a huge financial burden on the consumers for fixing smart meters. hence, the Commission should not permit fixing smart meters. In case the Commission desires to grant approval for smart meter installation, the same may be given after public consultation.

272. **Sri B. Balaram** has requested to rectify the defects in the network and recruit sufficient staff and also shifting of the Commission's office from Hyderabad to AP. That the cost of the prepaid smart meter proposed to be collected from the consumer is different from the market price, hence approval should not be given for fixing prepaid smart meters. That earlier subsidy was given to the aqua farmers, again the tariff is

being collected. The Government should continue the subsidy to the aqua farmers.

273. **Sri Y. Ramana Reddy** has expressed gratitude for providing 9 hours of regular uninterrupted supply to farmers and releasing farm connections in Lingala (M) in Kadapa District on request. He has requested not to fix meters to Agl services as Rayalaseema is a drought-prone area. He wanted filling up of the vacant energy Assistants & AE posts in his constituency, and bifurcate the section as the jurisdiction of the section is a large area.

274. **Sri N Santhi Kumar** has stated that delays in the conversion of the category from Cat II or Cat III to the Cottage industry category shall be avoided. The supply shall be released without any delay to 10 S.C applicants in Chinna Irlapadu (V), Kanigiri (M), Prakasam District as they are pending since July 2022

275. **Sri B. Hume Sastri** has stated that guarding be provided for 11 kV and 33 kV lines to prevent accidents. Out of 8 MW targeted for installation of solar panels only 2363 kW installation has taken place so far, indicating enough advertisement is not done to popularise the solar rooftop scheme. Suggested that the subsidy amount given may be enhanced to give more incentives to consumers. Analysis may be done so that many diesel cars may be dispensed with and more electric cars are used in their place for savings. AP government proposed to provide 2 ceiling fans to 14 lakh houses being built. There will be a difference of 40 Watts excess consumption per hour if conventional fans are used which consume 75/80 Watts and this will reflect in 28 lakh fans consuming several crores of rupees of excess power. As verified in the market, the energy-efficient BLD fans are sold at a minimum price of Rs 3500 as against Rs 1500 for a conventional 80 W fan. If the energy efficient fans are procured for these houses at the above price, the extra expenditure of Rs 2000 per fan for 28 lakhs fans will have to be studied vis a vis energy savings and accordingly appropriate action in the matter.

276. **Sri Anand Kumar Dasi** has stated that the internal efficiency of DISCOMS needs to be improved by avoiding wasteful expenditure and following financial discipline. Prepaid meter installation is more important for revenue improvement. That power wastage in farming shall be controlled. The subsidy provided to income tax-paying aqua consumers is to be re-examined. The Solar RT installation shall be made mandatory in Aprtments's terrace to reduce generation cost and demand. DPE wings shall be created in new districts wise to control the theft of energy.

277. **Sri Ennam Venkata Ramana** welcomes the fixing of proposed smart meters to domestic and commercial services but is opposed to fixing meters to agriculture service connections. He suggested solar rooftops for inaccessible areas like Sleru etc.

278. **Sri G. Mahanandi, Sri R Srinivasulu, and Sri G. Siva Bharath Kumar** have stated that the Complaint of category change of multiple connections from domestic to commercial in Nandyal Town to be resolved.

279. **Sri Kovvuri Trinatha Reddy** has stated that the Solar pump sets provided to the

farmers were not working and the repairing agencies are not responding, and therefore new connections shall be given in the place of solar pump sets. That abnormal penalties are being imposed by DPE wings and the same need to be corrected.

280. **Sri Sairami Reddy & S.Tarakesh** have stated that Memo No.CGM/O&M/GM/Comml./F.293682 D.No. 98/22, dt.01/02/2022 issued by Southern Power Distribution Company of A.P. Ltd is highly unjust and unilateral in respect of collection of development charges from the real estate layout developers.

281. **AP Chambers Federation** has requested for replacement of HT Meters by the Discom as and when required without cost implications on the consumers. Make the synchronisation process simple for small-capacity solar plants with Grid. 100 percent metering to Agl. services are to be approved. In RSTO FY 2022-23, the Commission directed to share the dedicated feeders with the other nearby industries by paying 5O% of the actual cost incurred. But Some Discoms without any consent of the developer shared the service by collecting usual development charges. Also, domestic services are also being shared along with industrial consumers. The Commission may give suitable guidelines to eliminate the practices.

282. **Sri Aadapa Chandra Sekhar** has opposed smart meters fixing to agl. connections and raised complaints on DTRs & HVDS line maintenance

283. **Sri D. Govindaiah, G.L, Narasimhulu, and Sri J Satyanarayana** have requested that the proposed smart meter installation for farmers and domestic & commercial consumers shall be withdrawn

284. **Sri J Satyanarayana** has requested to provide 25 lakhs compensation to the victim's families of fatal electrical accidents in time. Electricity infrastructure shall be provided in Jagananna colonies and remote villages. All the issues of electricity employees and workers shall be resolved.

285. **Grasim Industries Limited** has requested to facilitate the acceptance of the bank guarantee option for security/consumption deposits, to maintain sustainable working capital to survive in the competitive environment.

286. **Sri Gadagottu Sri Rambabu and Sri A. Satish Kumar** have stated that the Commission shall regularly monitor its directions and regulations for compliance by the DISCOMS. A physical copy of the Tariff Order shall be sent to the participants of public hearings on tariffs similar to earlier years.

287. **Sri Rajan Dorababu** has requested not to show dereliction in releasing supply to farmers. Direct the DISCOMS to ensure 9 hours of three-phase supply to farmers as they are not providing the same.

288. **Sri Kondapalli Vasudeva Rao** has stated that reconnection charges are being collected without physical disconnection which is against the terms and conditions of supply.

289. **Sri G.S.Rajeswara Rao** has stated that there is discrimination in the wages of outsourcing employees.

290. **Sri G. Siva Prasad** has stated that the solar rooftop policy is not being implemented in APSPDCL.

291. **K.Sriram Kishore** has stated that Transformers and Electrical lines are erected in Jalakala Scheme but service is not being released in Tekkali Division stating that the scheme is not applicable since the estimated amount exceeds Rs. 2 Lakhs, but the same is not intimated earlier.

292. **Sri Raja Babu** has stated during public hearings that there are frequent supply interruptions and trippings due to improper tree clearance. The poles are erected in the middle of the agricultural land and the loose spans pose danger. Agriculture supply should be extended from 08 Hrs to 17.00 Hrs. He opposed fixing meters to Agriculture connections.

293. **Sri M.V Anjaneyulu,** has stated that the levy of True up charges for past periods creates disputes in the case of rental premises. He is requested not to approve the Govt. of India monthly True up proposals. Fixing smart meters is for benefiting the meter manufacturers but leading to an additional burden to DISCOMs, it failed in many countries.

294. **Sri. M. Balakasi** has stated that 25000 outsourcing Employees of 3 categories skilled, semi-skilled & unskilled are working in Genco, Transco, and DISCOMs on par with Department staff. He has requested to implement the Telangana state policy for the regularisation of the outsourcing employees. 39 Nos contract labour was regularised in SDSTPS, on the same lines, the land losers who are working as contract labour should be regularised. That Old shift operators working in Substations are getting remuneration of Rs 20000 per month whereas the new shift operators getting Rs 15000 per month which is unjust and the anomaly should be rectified. Insisting of ITI qualifications for the deceased employees of shift operators is unjust. The fixing of smart meters to consumer services affects the livelihood of meter readers.

295. **J.T. Rama Rao has stated** that DISCOMS should give wide publicity and create awareness among consumers before the installation of smart meters. The Free power policy extended to nurseries is to be reviewed since they are selling the plants for lakhs of rupees. There is a need to promote Municipal Waste to Energy Projects. The uniforms shall be designed for Electricity Employees and Toll-free No 1912 is to be displayed on the department vehicles for wider publicity. The Wage revision and enhancement of the retirement age shall be implemented for Electricity employees. Underground power cabling to be laid in towns. Solar rooftops shall be encouraged. Wages to drivers, security staff, and housekeeping staff are to be increased.

296. **Sri Krishna Prasad & Smt. Lakshmi Prasad:** There is no discussion on fixing smart meters to the Agricultural pump sets

297. **Sri. Ch. Narasinga Rao** has stated that there is no necessity to fix smart meters to agricultural pump sets incurring the unnecessary expenditure. Also, the DISCOMs

should take safety measures, and provide safety devices like gloves, etc to the workers to ensure zero fatal accidents.

298. **Sri L. Krishna Prasad** has stated that as the employees of SDSTPS have been agitating against the move to privatize the plant, the plant should not be privatized, and be continued under the control of APGENCO. He also stated that fixing meters to agricultural connections are not necessary, and free power to farmers shall be continued.

Commission's views

299. The Commission has been giving utmost priority to consumer-centric services such as Standards of Performance (SoP) of the DISCOMs, compensation to the victims of electrical accidents, payment of compensation under the works of licensees rules, and the release of agriculture services strictly as per seniority, etc. In this regard, the Commission has taken several measures to improve the licensees' performance in the said service areas such as amending the SoP Regulation to provide for automatic compensation by the DISCOMS to the consumers for failure to meet standards in respect of certain services, issuing guidelines for the release of agriculture services, obtaining the quarterly reports from the licensees to monitor their performance in the said service areas, posting of the SoP data and the details of agriculture services released on the websites of the Commission and the DISCOMs. It is heartening to note that the above measures have started yielding results as seen from the marked improvement in the said services over time and a drastic reduction of complaints on DISCOMS' services in the last two public hearings on ARR as compared to the earlier public hearings. Apart from the above measures, the Commission is providing assistance to the consumers whenever they are bringing their genuine grievances to the notice of the Commission, by calling for reports from the licensees, and issuing appropriate directions to the licensees to take action on genuine grievances instead of straight away relegating the consumers to avail the statutory remedies of approaching the fora such as CGRF and Vidyut Ombudsman for redressal of their grievances through adjudication.

300. As regards the pending subsidy dues from the GoAP, Government departments, at the cost of repetition it may be noted that apart from addressing letters to the GoAP to release the pending dues, it has been issuing stern directions to the DISCOMS to realize the subsidy dues from the government and CC arrears from the government departments and local bodies and to disconnect the services if the CC dues are not paid. The DPS is being imposed by the DSICOMS on other dues relating to Current consumption from various government bodies.

301. As regards the metering of the agricultural services, the Commission reiterates that it is the policy of the GoAP to channel the agriculture subsidy through Direct Benefit

Transfer (DBT) mode by metering all the agriculture services. In this regard, the government has committed to bear all the costs associated with the metering. The GoAP is the main stakeholder in the Scheme as it is bearing the total cost of the free power. Some stakeholders, have on the one hand, raised objections to the estimation of agl. consumption and on the other hand been questioning the fixing of meters to farm connections. Under Sec.55 of the Electricity Act, every unit of energy shall be supplied through correct meters. As per the regulations in vogue, the consumer is responsible for his meter safety once the meter is installed. Thus, installation of meters is in consonance with the statutory mandate which also helps better management of both agl. load and total system load.

302. As regards the installation of smart prepaid meters, the DISCOMS in their written replies have stated that they are taking action to install these meters in government offices, public sector undertakings, street lights, urban and rural water supply, etc., and for commercial and industrial services under RDSS scheme. The prepaid or postpaid meters do not make much difference, except that under the post-paid system, the consumer deposits one or two months of consumption amount with DISCOMS and pays the CC bill within a certain time frame as stipulated by the regulations. Whereas under the prepaid system, in place of security deposit, advance payment of cc charges need to be made. Thus, the consumers are spared from payment of security deposit and if already paid, the same has to be adjusted against his CC bills once the prepaid meter is installed. Therefore, in the prepaid system, there will not be any additional burden on any consumer. Instead, there will be an additional advantage to the small and marginal consumers as they can better manage their consumption based on the requirement. Further, it is relevant to mention the provisions of the Electricity Act,2003, the CEA's Regulations, and GoI's notification on the smart pre-payment meters.

"Section 55. (Use, etc., of meters): --- (1) No licensee shall supply electricity, after the expiry of two years from the appointed date, except through installation of a correct meter in accordance with the regulations to be made in this behalf by the Authority: Provided that the licensee may require the consumer to give him security for the price of a meter and enter into an agreement for the hire thereof, unless the consumer elects to purchase a meter:

Provided further that the State Commission may, by notification, extend the said period of two years for a class or classes of persons or for such area as may be specified in that notification."

Exercising the above powers, the Authority ie; CEA, has notified the Central Electricity Authority (Installation and Operation of Meters) (Amendment) Regulations, 2022 in on 28 Feb 2022.

As per regulation 4 (1) (b) of the said regulations, ***"All consumers in areas with communication network, shall be supplied electricity with Smart Meters working in prepayment mode, conforming to relevant IS, within the timelines as specified by the Central Government:***

Provided that all consumer connections having current carrying capacity beyond that specified in relevant IS, shall be provided with meters having automatic remote meter reading facility or Smart Meters as per relevant IS.

Provided further that in areas which do not have communication network, installation of prepayment meters, conforming to relevant IS, shall be allowed by the respective State Electricity Regulatory Commission."

In accordance with the above regulations, the Ministry of Power, GoI issued a notification on 23.05.22 stipulating the following timelines for the installation of smart meters.

*"**2.1 All consumers (other than agricultural consumers) in areas with communication network, shall be supplied electricity with Smart Meters working in prepayment mode,** conforming to relevant IS, within the timelines specified below:*

(i) All Union Territories, all electrical divisions with high AT&C Loss (Urban Areas with AT&C loss >15% and rural areas with AT&C loss >25%), Industrial and Commercial consumers, all Government offices at Block level and above, shall be metered with smart meters, with prepayment mode, by 31st December, 2023:

Provided that these areas shall also be covered for smart Distribution Transformer (DT) metering by the Advanced Metering Infrastructure Service Provider (AMISP), on a priority basis, by 31st March, 2023; Provided also that the State Regulatory Commission may, by notification, extend the said period of implementation, giving reasons to do so, only twice but not more than six months at a time, for a class or classes of consumers or for such areas as may be specified in that notification;

(ii) All other areas shall be metered with smart meters, with prepayment mode, by 31st March, 2025:

Provided that in these areas smart Distribution Transformer (DT) metering shall be completed by 31st December, 2023;

(iii) All feeders shall be metered by 31st December, 2022;

(iv) All the feeder meters shall be made communicable under National Feeder Monitoring System (NFMS) by 31st December, 2022 and shall have Automatic Meter Reading (AMR) facility or shall be covered under Advanced Metering Infrastructure (AMI).

2.2 In areas which do not have communication network, installation of prepayment meters, conforming to relevant IS, may be allowed by the respective

State Electricity Regulatory Commission.

2.3 All consumer connections, having current carrying capacity beyond that specified in relevant IS, may be provided with meters with smart meters having AMR facility.

2.4 Distribution Transformers (DTs) and High Voltage Distribution System (HVDS) transformers having a capacity of less than 25 kVA and DTs feeding only agricultural consumers may be excluded from the above timelines.

As can be seen from the above, all the present meters shall be replaced with smart prepayment meters by 31st March 2025 and the Commission can only direct the installation of normal prepayment where the communication network coverage is not available. Hence, proposed installation of smart meters is in compliance of and conformity with the statutory scheme and no exception could be taken to this measure.

303. Regarding the improper alignment of the items in the electricity bills and their visibility, etc., the Commission has already directed DISCOMS to rectify these problems. The DISCOMS are directed to submit the Commission compliance report within 30 days of the release of this Order.

304. Regarding the objections raised on the collection of DTR and development charges, the Commission notified the 2nd amendment to Regulation 4 of 2013 which specifies that the DTR and development charges be collected by the DISOMS from the consumers. The above amendment is available at the website of the Commission for reference. If the DISCOMS collect DTR and development charges in contravention of the above amendment, the aggrieved persons can approach CGRF concerned for redressal of their grievances in this regard.

305. Regarding the request of one of the objectors to send copies of the tariff order to all the objectors who submitted their views on the tariff proposals, the Commission has dispensed with sending the physical copy of the RST Order since FY 2022-23. The soft copy of the same is available on APERC, DISCOMS, and Transco websites. If any stakeholder desires to have a copy, the same can be downloaded from the above websites.

306. As regards the safety aspects, the Commission reiterates its earlier statement that it is regularly reviewing the safety audit reports submitted by the DISCOMS periodically and is issuing appropriate directions to them in this regard. Regarding the enhancement of compensation to the victims of fatal accidents, the compensation is intended to provide an immediate relief to the victims' families and the main aim is to reduce the accidents to nil. The DISCOMS have furnished the data regarding accidents and status of payments to victims, in their filings.

307. With regard to the promotion of EC & EE measures, the Commission has approved a pilot project for the sale of energy-efficient appliances such as LED tube lights, BLDC

ceiling fans, and super-efficient ACs to domestic consumers to be implemented by APSEEDCO by proceedings dated 09.11.2022. Based on the response to the pilot project, the Commission would direct initiation of further steps.

308. Regarding the Prayas report on the study of the Srikakulam pilot project, the same was initiated by the government as informed by DISCOMS. The Commission is not inclined to offer its comments on the same as the report was not placed before the Commission either by the government or by the DISCOMS.

309. The reconnection charges from the consumers shall be collected only after effecting the physical disconnection of service due to non-payment of CC charges as per the orders in vogue. If collection is made contrary to the above by the DSICOMS, the aggrieved consumers may approach the CGRF or Viduth Ombudsman.

310. Regarding the release of the agricultural connections, the Commission has issued the practice directions by proceedings dated 23.03.2021, and the same is placed on the website of the Commission. If the services are not released in accordance with the above directions, the aggrieved consumer may bring the same to the notice of the Commission for taking appropriate action against the concerned.

311. Regarding compliance with the directions of the Commission by the DISCOMS, the Commission is monitoring the same periodically and taking appropriate action if compliance on any aspect is not made by the licensees.

312. Regarding the kVAh billing unit, the Commission initiated this measure with a view to discourage wastage of energy long back and this is yielding the desired results.

313. Regarding the material procurement at comparatively higher rates, the DISCOMS are directed to apprise the Commission of the price at which they procured the important items such as DTRs, Power Transformers, conductors, poles, etc during the last year with the comparison of the rates at which the utilities in neighbouring states procured the same during the same period (last year) within 45 days from the release of this Order for passing appropriate directions in this regard.

314. As respects liability of True ups, it is the responsibility of the registered consumers of the licensee to pay the same. As opined by one of the objectors, the true-up of charges may not be in practice in any sector except in the electricity sector. Since the electricity tariffs are designed based on estimates, the same has to be adjusted once the actuals have arrived at as a true up/down and the same is inevitable. The true-up background has been discussed elaborately in the RST order dated 30.03.2022 and the FPPCA order dated 01.03.2023 which are self-explanatory. The Commission proposed to put in place the monthly FPPCA dispensing with the quarterly FPPCA, and accordingly, the draft regulation was issued calling for objections/views from the public. It is under consideration. The reasons for the introduction of monthly FPPCA were given in draft regulation 2 of 2023.

315. Regarding ensuring the 9 hours supply to agricultural consumers, as per section 166 (5) of the Electricity Act, 2003, there shall be a committee in each district to be

constituted by the Appropriate Government to review the quality of power supply and consumer satisfaction. The DISCOMS shall place the reports or minutes of the said committee on their websites and submit the same to the Commission. If the committees are not in place, the DISCOMS shall approach the Govt to appoint such committees immediately.

316. Regarding concessions extended to various sections by the government, as the same was included in the subsidy to be provided for FY 2023-24 by the government, they shall be implemented strictly as per the Government Orders.

317. Regarding the free power to be extended to the eligible farmers who are provided with solar pump sets either off-grid or grid-connected, they shall be provided free power as per the Govt. policy if there is any issue with solar power.

318. Regarding HT or LT meter replacement, the licensees shall strictly comply with the Commission's directions /terms and conditions of supply/GTCS. The dedicated lines of HT consumers also shall be shared with other consumers as per the terms and conditions specified in the RST Orders. If any consumer is aggrieved on this issue, he may approach CGRF or Vidytu ombudsman. Regarding the synchronisation of small solar plants with the grid, the procedure stipulated in solar rooftop guidelines as approved by the Commission shall be complied with.

319. Regarding strengthening of the distribution network, the Commission gave necessary investment approvals to the DISCOMS to be taken up under RDSS.

320. Regarding shifting of the Commission's office from Hyderabad to Andhra Pradesh, the Commission has been making efforts to locate its headquarters at an appropriate place in AP, with the consent of the State Government. However, continuing the office for the last nine years at Hyderabad, a common capital till June 2024, is not causing any inconvenience to the stakeholders as the Commission is presently holding all public hearings online, thereby obviating the need for the public to travel to Hyderabad.

321. Regarding grievances unrelated to ARR, raised by some individuals, they may seek their redressal before the Fora i.e., CGRF/Vidyut Ombudsman.

Sd/-	**Sd/-**	**Sd/-**
Thakur Rama Singh	**Justice C.V. Nagarjuna Reddy**	**P. Rajagopal Reddy**
Member	**Chairman**	**Member**

ANNEXURE – 01 (A)

Public Notice of ARR & FPT and Hearing Schedule for FY2023-24 in English

BEFORE THE HONOURABLE ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION (APERC)

D.No. 11-4-660, 4th Floor, Singareni Bhavan, Red Hills, Hyderabad- 500 004.

EASTERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED (APEPDCL)

PUBLIC NOTICE

1. Notice is hereby given to all that the Distribution Licensee **Eastern Power Distribution Company of A.P. Limited (APEPDCL)** holding a Distribution and Retail Supply License No. **12/2000**, has on **30-11-2022**, filed before the Hon'ble Andhra Pradesh Electricity Regulatory Commission (APERC), the Aggregate Revenue Requirement (ARR), Tariff and Cross Subsidy (CSS) proposals for its Retail Supply Business for the FY 2023-24. These filings have been taken on the record by the Hon'ble Commission in **O.P. No.67 of 2022**.
2. Copies of the filings are available in the Office of the **Chief General Manager (PPA, RAC & Solar Energy), Eastern Power Distribution Company with head quarters at P&T Colony, Seethammadhara, Visakhapatnam - 530013 and the Superintending Engineer, Operation Circle of the Distribution Company at Srikakulam, Vizianagaram, Visakhapatnam, Rajamahendravaram and Eluru.** Interested persons may inspect/peruse the said filings and take note thereof during office hours at any of the said offices free of charge. These proposals are also available on **www.apeasternpower.com** and the same may also be accessed at **www.aperc.gov.in**. A copy of these filings can be obtained from the above offices from the date of publication of this notice on payment of Rs. 100/- (by way of cash in person/D.D. drawn in favour of the **Pay Officer/APEPDCL/Visakhapatnam**). Also a summary of the filings in English or Telugu languages can be separately obtained on payment of Rs. 10/- per copy (by way of cash in person/D.D. drawn in favour of the **Pay Officer/APEPDCL/Visakhapatnam**).
3. The views/objections/suggestions if any, on the ARR, Tariff and CSS filings proposed by the Distribution Company, together with supporting material may be sent to the **Chief General Manager (PPA, RAC & Solar Energy) of the Eastern Power Distribution Company's head quarters at P&T Colony, Seethammadhara, Visakhapatnam -530013** in person or through Registered Post to reach the above office on or before 5 PM of 05-01-2023. A copy of the same must also be filed with the Commission Secretary, APERC at the address mentioned above. The views/objections/suggestions should be duly signed and should carry the full name and postal address of the person (s) sending the views/objections/suggestions. If the views/objections/suggestions are filed on behalf of any organisation or any category of consumers, it should be accordingly mentioned. If the objector also wants to be heard orally through video conference, it shall also be specifically mentioned. The views/objections/ suggestion should accompany the following statement as an overleaf.

Name & full address of the Objector with contact number (whatsapp No. & email id)	Brief details of View(s) / Objection(s) / Suggestion(s)	Objections against Proposals of APEPDCL	Whether a copy of objections & proof of delivery at the Licensee's office enclosed (Yes/No)	Whether the Objector wants to be heard in person through video conference (Yes/No). If Yes, mention the DE/EE Office from where he would like to make the oral submission.

Note: The Commission may not consider the objections received after the due date.

4. The ARR, Proposed Tariffs and CSS schedule for FY 2023-24 is given below:

ARR SCHEDULE OF APEPDCL

S. No.	Particulars	Proposal for 2023-24 (Rs.Cr)	S. No.	Particulars	Proposal for 2023-24 (Rs.Cr)
1	Transmission Cost	1163.96	10	Other Costs, if any	50.06
2	SLDC Cost	15.51	11	Additional Interest on pension bonds of APGENCO order	369.48
3	Distribution Cost	3351.66	12	**Supply Cost (7+8+9+10+11)**	**14481.70**
4	PGCIL Expenses	565.03	13	**Aggregate Revenue Requirement (6+12)**	**19579.01**
5	ULDC Charges	1.15	14	**Total Revenue (15+16+17)**	**19579.01**
6	**Network and SLDC Cost (1+2+3+4+5)**	**5097.31**	15	Revenue through proposed full cost recovery	19087.17
7	Power Purchase / Procurement Cost	13892.31	16	Non - Tariff Income	456.67
8	Interest on Consumer Security Deposits	143.36	17	Revenue from cross subsidy surcharge	35.18
9	Supply Margin in Retail Supply Business	26.48	18	**Net Gap (14-13)**	**0.00**

SOUTHERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED (APSPDCL)

PUBLIC NOTICE

1. Notice is hereby given to all that the Distribution Licensee **Southern Power Distribution Company Of Andhra Pradesh Limited (APSPDCL)** holding a Distribution and Retail Supply License No. **15/2000**, has on **30.11.2022**, filed before the Hon'ble Andhra Pradesh Electricity Regulatory Commission (APERC), the Aggregate Revenue Requirement (ARR), Tariff and Cross subsidy (CSS) proposals for its Retail Supply Business for the FY 2023-24. These filings have been taken on the record by the Hon'ble Commission in **O.P. No.65 of 2022**.
2. Copies of the filings are available in the **Office of the Chief General Manager (RAC&IPC), Southern Power Distribution Company with head quarters at 19-13-65/A, Vidyut Nilayam, Srinivasapuram, Tirupathi - 517503 and the Superintending Engineer, Operation Circle of the Distribution Company at Nellore, Tirupathi, Kadapa, Ananthapur and Kurnool.** Interested persons may inspect/peruse the said filings and take note thereof during office hours at any of the said offices free of charge. These proposals are also available on **www.apspdcl.in** and the same may also be accessed at **www.aperc.gov.in.** A copy of these filings can be obtained from the above offices from the date of publication of this notice on payment of Rs. 100/- (by way of cash in person/ D.D. drawn in favour of the **Accounts Officer/CPR/APSPDCL/Tirupati**). Also a summary of the filings in English or Telugu languages can be separately obtained on payment of Rs. 10/- per copy (by way of cash in person/D.D. drawn in favour of the **Accounts Officer/CPR/APSPDCL/Tirupati**).
3. The views/objections/suggestions if any, on the ARR, Tariff and CSS filings proposed by the Distribution Company, together with supporting material may be sent to the **Chief General Manager (RAC&IPC) of the Southern Power Distribution Company's head quarters at 19-13-65/A, Vidyut Nilayam, Srinivasapuram, Tirupathi - 517503** in person or through Registered Post to reach the above office on or before 5 PM of 05-01-2023. A copy of the same must also be filed with the Commission Secretary, APERC at the address mentioned above. The views /objections/suggestions should be duly signed and should carry the full name and postal address of the person(s) sending the views/objections/suggestions. If the views/objections/suggestions are filed on behalf of any organisation or any category of consumers, it should be accordingly mentioned. If the objector also wants to be heard orally through video conference, it shall also be specifically mentioned. The views/objections/suggestions should accompany the following statement as an overleaf.

Name & full address of the Objector with contact number (whatsapp No. & email id)	Brief details of View(s) / Objection(s) / Suggestion(s)	Objections against Proposals of APSPDCL	Whether a copy of objections & proof of delivery at the Licensee's office enclosed (Yes/No)	Whether the Objector wants to be heard in person through video conference (Yes/No). If Yes, mention the DE/EE Office from where he would like to make the oral submission.

Note: The Commission may not consider the objections received after the due date.

4. The ARR, Proposed Tariffs and CSS schedule for FY 2023-24 is given below:

ARR SCHEDULE OF APSPDCL

S. No.	Particulars	Proposal for 2023-24 (Rs.Cr)	S. No.	Particulars	Proposal for 2023-24 (Rs.Cr)
1	Transmission Cost	1415.79	10	Other Costs, if any	**68.43**
2	SLDC Cost	50.81	11	Additional Interest on pension bonds of APGENCO order	**412.53**
3	Distribution Cost	4414.29	12	**Supply Cost (7+8+9+10+11)**	**14219.20**
4	PGCIL Expenses	769.41	13	**Aggregate Revenue Requirement (6+12)**	**20870.78**
5	ULDC Charges	1.28	14	**Total Revenue (15+16+17)**	**20870.78**
6	**Network and SLDC Cost (1+2+3+4+5)**	**6651.58**	15	Revenue through proposed full cost recovery	19452.50
7	Power Purchase / Procurement Cost	13555.63	16	Non - Tariff Income	1312.10
8	Interest on Consumer Security Deposits	137.57	17	Revenue from cross subsidy surcharge and grid support charges	106.18
9	Supply Margin in Retail Supply Business	45.04	18	**Net Gap (14-13)**	**0.00**

ANDHRA PRADESH CENTRAL POWER DISTRIBUTION CORPORATION LIMITED (APCPDCL)

PUBLIC NOTICE

1. Notice is hereby given to all that the Distribution Licensee **Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL)** holding a Distribution License No. **1/2020**, has on **30.11.2022**, filed before the Hon'ble Andhra Pradesh Electricity Regulatory Commission (APERC), the Aggregate Revenue Requirement (ARR), Tariff and Cross subsidy (CSS) proposals for its Retail Supply Business for the FY 2023-24. These filings have been taken on the record by the Hon'ble Commission in **O.P. No. 66 of 2022**.
2. Copies of the filings are available in the **Office of the Chief General Manger (Projects), Andhra Pradesh Central Power Distribution Corporation Limited with headquarters at Beside Govt. Polytechnic college, ITI Road, Vijayawada-520 008 and the Superintending Engineer, Operation Circle of the Distribution Company at Vijayawada, CRDA, Guntur and Ongole** . Interested persons may inspect/peruse the said filings and take note thereof during office hours at any of the said offices at free of charge. These proposals are also available on **www.apcpdcl.in** and the same may also be accessed at **www.aperc.gov.in**. A copy of these filings can be obtained from the above offices from the date of publication of this notice on payment of Rs.100/- (by way of cash in person/D.D. drawn in favour of the **Accounts Officer/CPR/APCPDCL/Vijayawada)** . Also a summary of the filings in English or Telugu languages can be separately obtained on payment of Rs.10/- per copy(by way of cash in person/D.D. drawn in favour of the **Accounts Officer/CPR/APCPDCL/Vijayawada)**.
3. The views/objections/suggestions if any, on the ARR, Tariff and CSS filings proposed by the Distribution Company, together with supporting material may be sent to the **Chief General Manager (Projects) of the Andhra Pradesh Central Power Distribution Corporation Limited having its headquarters at Beside Govt. Polytechnic college, ITI Road, Vijayawada - 520 008** in person or through Registered Post to reach the above office on or before 5 PM of 05-01-2023. A copy of the same must also be filed with the Commission Secretary, APERC at the address mentioned above. The views/objections/suggestions should be duly signed and should carry the full name and postal address of the person (s) sending the views/ objections/ suggestions. If the views/objections/suggestions are filed on behalf of any organization or any category of consumers, it should be accordingly mentioned. If the objector also wants to be heard orally through video conference, it shall also be specifically mentioned. The views/objections/suggestions should accompany the following statement as an overleaf.

Name & full address of the Objector with contact number (whatsapp No. & email id)	Brief details of View(s) / Objection(s) / Suggestion(s)	Objections against Proposals of APCPDCL	Whether a copy of objections & proof of delivery at the Licensee's office enclosed (Yes/No)	Whether the Objector wants to be heard in person through video conference (Yes/No). If Yes, mention the DE/EE Office from where he would like to make the oral submission.

Note: The Commission may not consider the objections received after the due date.

4. The ARR, Proposed Tariffs and CSS schedule for FY 2023-24 is given below:

ARR SCHEDULE OF APCPDCL

S. No.	Particulars	Proposal for 2023-24 (Rs.Cr)	S. No.	Particulars	Proposal for 2023-24 (Rs.Cr)
1	Transmission Cost	817.08	10	Other Costs, if any	**5.39**
2	SLDC Cost	10.07	11	Additional Interest on pension bonds of APGENCO order	**238.09**
3	Distribution Cost	2578.15	12	**Supply Cost (7+8+9+10+11)**	**8370.78**
4	PGCIL Expenses	364.10	13	**Aggregate Revenue Requirement (6+12)**	**12140.92**
5	ULDC Charges	0.74	14	**Total Revenue (15+16+17)**	**12140.92**
6	**Network and SLDC Cost (1+2+3+4+5)**	**3770.14**	15	Revenue through proposed full cost recovery	11668.12
7	Power Purchase / Procurement Cost	8013.31	16	Non - Tariff Income	440.23
8	Interest on Consumer Security Deposits	88.00	17	Revenue from cross subsidy surcharge and grid support charges	32.57
9	Supply Margin in Retail Supply Business	25.99	18	**Net Gap (14-13)**	**0.00**

Proposed Tariff Schedule for FY2023-24

Category	Consumer Category	LT SUPPLY: Fixed / Demand Charges per month (Rs/HP or kW)	LT SUPPLY: Energy Charges (Rs./Unit)	Proposed Full Cost Recovery Charges (Rs./Unit) in pursuant to GO.Rt. 161, Dt 15-11-2021: APEPDCL	APSPDCL	APCPDCL	Billing Unit	HT SUPPLY: Fixed / Demand Charges per month (Rs./kVA)	HT SUPPLY: Energy Charges (Rs./Unit): 11 kV	33 kV	132 kV	220 kV	Full Cost Recovery Charges (Rs./ Unit)
	DOMESTIC												
	(A) : Domestic (Telescopic)												
I	0-30	10	1.90	3.91	4.60	4.14	kWh	-	-	-	-	-	
I	31-75		3.00	4.59	5.60	4.66	kWh	-	-	-	-	-	
I	76-125		4.50	4.69	6.60	6.10	kWh	-	-	-	-	-	
I	126-225		6.00	6.00	7.57	7.84	kWh	-	-	-	-	-	
I	226-400		8.75	8.75	8.75	8.75	kWh	-	-	-	-	-	
I	>400		9.75	9.75	9.75	9.75	kWh	-	-	-	-	-	
	Consumers whose consumption is more than 500 units per month can opt for smart meters and ToD rebate of Rs. 1 per unit is applicable for such consumers for consumption between 10 AM to 12 Noon.												
	(B) : Townships, Colonies, Gated Communities and Villas	-	-	-	-	-	kVAh	75	7.00	7.00	7.00	7.00	
	COMMERCIAL & OTHERS												
	A (i) : Commercial												
II	0-50	75	5.40	5.40	5.40	5.40	kWh/kVAh	475	7.65	6.95	6.70	6.65	
II	51-100		7.65	7.65	7.65	7.65	kWh/kVAh						
II	101-300		9.05	9.05	9.05	9.05	kWh/kVAh						
II	301-500		9.60	9.60	9.60	9.60	kWh/kVAh						
II	Above 500 units		10.15	10.15	10.15	10.15	kWh/kVAh						
II	Time of Day tariff (TOD)-Peak (6 PM to 10 PM)	-	-	-	-	-	kWh/kVAh		8.65	7.95	7.70	7.65	
II	(ii) Advertising Hoardings	100	12.25	12.25	12.25	12.25	kWh/kVAh	-	-	-	-	-	
II	(iii) Function halls / Auditoriums	-	12.25	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25	
II	(B):Startup power	-	12.25	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25	
II	(C):Electric Vehicles/Charging Stations	-	6.70	6.70	6.70	6.70	kWh/kVAh	-	6.70	6.70	6.70	6.70	
II	(D) : Green Power	-	12.25	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25	
	INDUSTRY												
III	(A) : Industry (General)	75	6.70	6.70	6.70	6.70	kWh/kVAh	475	-	-	-	-	
III	Time of Day tariff (TOD) (High Grid Demand) (Feb'24, Mar'24), (Apr'23- May'23) & (Sep'23-Oct'23)												
III	Peak (06-10) & (18-22)	-	-	-	-	-			7.80	7.35	6.90	6.85	
III	Off-Peak (10 -15) & (00-06)	-	-	-	-	-			5.55	5.10	4.65	4.60	
III	Normal (15-18) & (22-24)	-	-	-	-	-			6.30	5.85	5.40	5.35	
III	Time of Day tariff (TOD) (Low Grid Demand) (Jun'23-Aug'23) & (Nov'23-Jan'24)												
III	Peak (06-10) & (18-22)	-	-	-	-	-			7.30	6.85	6.40	6.35	
III	Off-Peak (10 -15) & (00-06)	-	-	-	-	-			5.55	5.10	4.65	4.60	
III	Normal (15-18) & (22-24)	-	-	-	-	-			6.30	5.85	5.40	5.35	
III	Industrial Colonies	-	-	-	-	-	kWh/kVAh	-	7.00	7.00	7.00	7.00	
III	(B) : Seasonal Industries (off-season)	75	7.45	7.45	7.45	7.45	kWh/kVAh	475	7.65	6.95	6.70	6.65	
III	(C) : Energy Intensive Industries						kWh/kVAh	475	-	-	-	-	
III	Time of Day tariff (TOD) (High Grid Demand) (Feb'24, Mar'24), (Apr'23- May'23) & (Sep'23-Oct'23)												
III	Peak (06-10) & (18-22)	-	-	-	-	-			7.30	6.85	6.45	6.40	
III	Off-Peak (10 -15) & (00-06)	-	-	-	-	-			5.05	4.60	4.20	4.15	
III	Normal (15-18) & (22-24)	-	-	-	-	-			5.80	5.35	4.95	4.90	
III	Time of Day tariff (TOD)- (Low Grid Demand) (Jun'23- Aug'23) & (Nov'23 - Jan'24)												
III	Peak (06-10) & (18-22)	-	-	-	-	-			6.80	6.35	5.95	5.90	
III	Off-Peak (10 -15) & (00-06)	-	-	-	-	-			5.05	4.60	4.20	4.15	
III	Normal (15-18) & (22-24)	-	-	-	-	-			5.80	5.35	4.95	4.90	
III	(D) : Cottage Industries up to 10HP *	20	3.75	3.75	3.75	3.75	kWh/kVAh	-	-	-	-	-	
	* - Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018												
	INSTITUTIONAL												
IV	(A) : Utilities (Street Lighting, NTR Sujala Pathakam, CPWS and PWS)	75	7.00	7.00	7.00	7.00	kWh/kVAh	475	7.65	6.95	6.70	6.65	
IV	(B) : General Purpose	75	7.00	7.00	7.00	7.00	kWh/kVAh	475	7.95	7.25	7.00	6.95	
IV	(C) : Religious Places	30	5.00	5.00	5.00	5.00	kWh/kVAh	30	5.00	5.00	5.00	5.00	
IV	(D) : Railway Traction	-	-	-	-	-	kVAh	350	5.50	5.50	5.50	5.50	
	AGRICULTURE & RELATED (A) : Agriculture												
V	(i) Corporate farmers	-	3.50	7.41	3.50	7.57	kWh	-	-	-	-	-	
V	(ii) Non-Corporate farmers	-	-	7.52	8.19	8.03	-	-	-	-	-	-	
V	(iii) Salt farming units up to 15 HP	-	2.50	7.48	2.50	7.62	kWh/kVAh	-	-	-	-	-	
V	(iv) Sugarcane crushing	-	-	7.39	8.19	6.66	-	-	-	-	-	-	
V	(v) Rural Horticulture Nurseries	-	-	7.52	8.19	7.76	-	-	-	-	-	-	
V	(vi) Floriculture in Green House	75	4.50	4.50	4.50	4.50	kWh/kVAh	-	-	-	-	-	
V	(B) : Aquaculture and Animal Husbandry	30	3.85	7.22	3.85	7.50	kWh/kVAh	30	3.85	3.85	3.85	3.85	
V	(D) : Agro Based Cottage Industries up to 10 HP	20	3.75	6.91	3.75	7.45	kWh/kVAh	-	-	-	-	-	
V	(E) : Government / Private Lift Irrigation Schemes	-	6.40	6.40	6.40	7.75	kVAh	-	7.15	7.15	7.15	7.15	

Full Cost Recovery Tariff for all HT Categories are same as Energy Charges for EPDCL, SPDCL & CPDCL

Note:
(i) HT Energy Intensive Industries the Consumer has to Guarantee off-take of energy at 6701 kVAh per kVA per annum on Average Contracted MaximumDemand or Average Actual Demand whichever is higher. The energy falling short of 6701 kVAh per kVA per annum will be billed as deemed consumption
(ii) All other conditions are as per the Chapter - X of Retail Supply Tariff Schedule for FY 2022-23

Proposed Cross Subsidy Surcharges for FY 2023-24

Category		HT Supply	CSS (Rs. / Unit) APEPDCL	APSPDCL	APCPDCL
11 kV					
I	B	Townships, Colonies, Gated Communities and Villas	1.12	1.01	1.06
II	A(i)	Commercial	2.20	2.11	2.14
II	A(iii)	Function Halls/Auditoriums	2.45	2.45	2.45
II	B	Startup Power	2.45	2.45	2.45
II	D	Green Power	-	2.45	2.45
III	A	Industrial General	1.73	1.88	1.89
III	B	Seasonal Industries	2.67	3.10	2.45
III	C	Energy Intensive Industries	-	1.58	0.72
IV	A	Utilities	1.93	1.91	1.90
IV	B	General Purpose	2.25	2.18	2.09
V	E	Government /Private Lift Irrigation Schemes	0.80	0.69	0.67
33 kV					
I	B	Townships, Colonies, Gated Communities and Villas	1.46	1.54	1.55
II	A (i)	Commercial	1.91	1.89	1.97
II	A(iii)	Function Halls/Auditoriums	-	2.45	-
II	B	Startup Power	2.45	2.45	2.45
II	D	Green Power	-	2.45	-
III	A	Industrial General	1.47	1.49	1.54
III	B	Seasonal Industries	1.84	2.83	-
III	C	Energy Intensive Industries	1.01	0.88	0.86
IV	A	Utilities	1.60	1.79	-
IV	B	General Purpose	-	2.30	2.10
V	E	Government /Private Lift Irrigation Schemes	1.43	1.43	1.43
132 kV					
II	A (i)	Commercial	1.62	1.66	-
II	A(iii)	Function Halls/Auditoriums	-	2.45	-
II	B	Startup Power	2.45	2.45	-
II	D	Green Power	-	2.45	-
III	A	Industrial General	1.37	1.34	1.36
III	C	Energy Intensive Industries	0.89	1.00	-
IV	D	Railway Traction	1.33	1.41	1.36
V	E	Government /Private Lift Irrigation Schemes	-	1.43	1.43
220 kV					
II	A (i)	Commercial	1.95	-	-
II	B	Startup Power	2.45	-	-
III	A	Industrial General	1.32	1.41	-
III	C	Energy Intensive Industries	0.67	-	-
IV	D	Railway Traction	-	1.46	-
V	E	Government /Private Lift Irrigation Schemes	1.43	1.43	-

5. The Commission has decided to conduct public hearings through video conference to provide an opportunity to all the stakeholders from the nook and corner of the State. The hearings will be held in respect of all the three DISCOMs together on 19-01-2023, 20-01-2023 & 21-01-2023 from 10.30 AM to 1.00 PM and from 2.00 PM to 4.30 PM.

The schedule for each day of the hearing is as given below:

19.01.2023 (Thursday)

10:30 AM to 10:35 AM	Opening Remarks by the Commission Secretary
10:35 AM to 10:40 AM	Remarks by the Hon'ble Chairman, APERC
10:40 AM to 11:30 AM	Presentation by the DISCOMs
11:30 AM to 01:00 PM	Views/objections/suggestions by the public
01:00 PM to 02:00 PM	Lunch Break
02:00 PM to 04:30 PM	Views/objections/suggestions by the public

20.01.2023 (Friday)

10:30 AM to 01.00 PM	Views/objections/suggestions by the Public
01:00 PM to 02:00 PM	Lunch Break
02:00 PM to 04:30 PM	Views/objections/suggestions by the Public

21.01.2023 (Saturday)

10:30 AM to 1.00 PM	Views/objections/suggestions by the Public
01:00 PM to 02:00 PM	Lunch Break
2.00 PM to 3.00 PM	Views/objections/suggestions by the Public
03:00 PM to 04:30 PM	Responses by the DISCOMs

6. Members of the public who are desirous of being heard through video conference in the public hearings shall have to inform in advance to the DISCOM their intent to be heard with a copy to the Commission. The intent should mention the nearest Executive Engineer / Divisional Engineer Office through which the member of the public likes to present his/her views. The date on which he/she likes to be heard shall also be mentioned in the intent.
7. The Commission will host on its website the list of the names of the objectors who are scheduled to present their views day-wise.
8. If any DE/EE office receives requests from persons who have not communicated earlier their intent to make their oral submissions, on any hearing day, the DE/EE concerned will communicate the same to the Commission through video conference on that date of hearing after all the scheduled persons are heard. If permitted by the Commission, such persons can make their submissions. The DISCOMs will provide a meeting link and publish it in newspapers separately to enable the general public to present their objections through Video-Conference mode from their personal gadgets without the necessity of going to the DE's office.
9. The Commission will sit in the Conference Hall of the APEPDCL at Visakhapatnam on all three days.
10. The public hearings are streamed live. The method and manner of viewing the live stream will be separately published through print/electronic media.

Place : Visakhapatnam Date : 15.12.2022	CHAIRMAN & MANAGING DIRECTOR EASTERN POWER DISTRIBUTION COMPANY OF A.P. LTD	Place : Tirupathi Date : 15.12.2022	CHAIRMAN & MANAGING DIRECTOR SOUTHERN POWER DISTRIBUTION COMPANY OF A.P. LTD
Place : Vijayawada Date : 15.12.2022	CHAIRMAN & MANAGING DIRECTOR A.P. CENTRAL POWER DISTRIBUTION CORPORATION LTD		

ANNEXURE – 01 (B)

Public Notice of ARR & FPT and Hearing Schedule for FY2023-24 in TELUGU

గౌరవనీయ ఆంధ్రప్రదేశ్ ఎలక్ట్రిసిటి రెగ్యులేటరీ కమీషన్ (APERC) వారి సమక్షములో

డోర్ నెం.11-4-660, 4వ అంతస్థు, సింగరేణి భవన్, రెడ్‌హిల్స్, హైదరాబాద్-500 004.

ఆంధ్రప్రదేశ్ సెంట్రల్ పవర్ డిస్ట్రిబ్యూషన్ కార్పొరేషన్ లిమిటెడ్

డాక్టర్ వై.ఎస్.ఆర్. విద్యుత్ సౌధ, ప్రభుత్వ పాలిటెక్నిక్ కళాశాల ప్రక్కన, బీఆర్ రహదారి, విజయవాడ-520 008

బహిరంగ ప్రకటన

1. ఇందుమూలంగా ఏపిసిపిడిసియల్ పరిధిలోని యావన్మందికి తెలియజేయునది ఏమనగా ప్రభుత్వ యాజమాన్యంలోని డిస్ట్రిబ్యూషన్ మరియు లైటల్ సరఫరా లైసెన్స్ నెం.1/2020 కలిగి ఉన్న పంబికీ సంస్థ "ఆంధ్రప్రదేశ్ సెంట్రల్ పవర్ డిస్ట్రిబ్యూషన్ కార్పొరేషన్ లిమిటెడ్ (ఏపిసిపిడిసియల్)", 2023-24 ఆర్థిక సంగాణికి లైటల్ సరఫరా వ్యాపారమునకు గాను సమగ్ర ఆదాయ అవశ్యకత, టారిఫ్ మరియు క్రాస్ సబ్సిడీ సర్‌ఛార్జీల ప్రతిపాదనలను తేదీ:30-11-2022న ఆంధ్రప్రదేశ్ ఎలక్ట్రిసిటీ రెగ్యులేటరీ కమీషన్ (ఏపిజఆర్‌సి) వారికి సమర్పించడమైనది. ఈ ప్రతిపాదనలను గౌరవ కమీషను వారిచే ఓ.పి. నెం.66/2022 గా నమోదు చేయబడినది.
2. పైన 1ఎ పేరాలో పేర్కొన్న ప్రతిపాదనల ప్రతులు చీఫ్ జనరల్ మేనేజర్ (ప్రాజెక్ట్స్) "ఆంధ్రప్రదేశ్ సెంట్రల్ పవర్ డిస్ట్రిబ్యూషన్ కార్పొరేషన్ లిమిటెడ్ (ఏపిసిపిడిసియల్)", కార్పొరేట్ కార్యాలయం, గవర్నమెంట్ పాలిటెక్నిక్ కాలేజ ప్రక్కన, బీఆర్ రోడ్, విజయవాడ-**520008** మరియు విజయవాడ, సిఇడిఏ, గుంటూరు మరియు ఒంగోలు సర్కిల్‌లలో ఉన్న సూపరింటెండింగ్ ఇంజనీర్ వారి కార్యాలయముల వద్ద లభ్యమగును. ఆసక్తి గల వారు ఈ ప్రతిపాదనలను కార్యాలయం పనివేళలలో ఉచితంగా పరిశీలించవచ్చు. ఈ ప్రతిపాదనలు డిస్ట్రిబ్యూషన్ కంపెనీ వారి వెబ్‌సైట్ **www.apcpdcl.in** లో లభించును మరియు వీటిని **www.aperc.gov.in** వెబ్‌సైట్‌లో కూడా పొందవచ్చును. ప్రచురించిన తేది నుండి కాపీ ఒక్కింటికి రూ.100/- (వ్యక్తిగతంగా నగదు రూపేణా లేదా అకౌంట్స్ ఆఫీసర్/సిపిఆర్, ఏపిసిపిడిసియల్, విజయవాడ వారి పేరున డిడి రూపేణా) చెల్లింపు మీదట ఈ ప్రతిపాదనలను పైన తెలిపిన కార్యాలయాల నుండి పొందవచ్చును. ఈ ప్రతిపాదనల యొక్క సంక్షిప్త సమాచార ప్రతులను ఇంగ్లీష్ లేదా తెలుగులో కాపీ ఒక్కింటికీ రూ.10/- (వ్యక్తిగతంగా నగదు రూపేణా లేదా అకౌంట్స్ ఆఫీసర్/సిపిఆర్, ఏపిసిపిడిసియల్, విజయవాడ వారి పేరున డిడి రూపేణా) బొమ్మన చెల్లింప పైన తెలిపిన కార్యాలయాలలో పొందవచ్చును.
3. డిస్ట్రిబ్యూషన్ కంపెనీ ప్రతిపాదించిన సమగ్ర ఆదాయ అవశ్యకత, టారిఫ్ మరియు క్రాస్ సబ్సిడీ సర్‌ఛార్జీల ప్రతిపాదనలు (ఎ.ఆర్.ఆర్, టారిఫ్ & సిఎస్ఎస్) పై సూచనలు/అభ్యంతరాలు/సలహాలు ఏవైనా ఉన్నయెడల వాటిని సంబంధిత ఆధారాలతో జతపరచి **తేదీ:05-01-2023** సా॥ **5.00** గం॥లోపు అందే విధంగా రిజిస్టర్ పోస్ట్ ద్వారా లేదా వ్యక్తిగతంగా గాని సదరు అభ్యంతరాల ప్రతులను ఏపిసిపిడిసియల్, కార్పొరేట్ కార్యాలయంలోని చీఫ్ జనరల్ మేనేజర్ (ప్రాజెక్ట్స్) "ఆంధ్రప్రదేశ్ సెంట్రల్ పవర్ డిస్ట్రిబ్యూషన్ కార్పొరేషన్ లిమిటెడ్ (ఏపిసిపిడిసియల్)", కార్పొరేట్ కార్యాలయం, గవర్నమెంట్ పాలిటెక్నిక్ కాలేజ ప్రక్కన, బీఆర్ రోడ్, విజయవాడ-**520008** గారికి పంపుటగా అట్లు పంపిన వాటి నకలును మరియు ప్రతిని పంపిన బుజువును కమీషన్ సెక్రటరి, ఏపిజఆర్‌సికి పైన తెలిపిన చిరునామాకు పంపగలరు. సదరు సూచనలు/అభ్యంతరాలు/సలహాలు తప్పనిసరిగా సంతకం చేయబడవలెను మరియు పూర్తి పేరు(లు), పోస్టల్ చిరునామా(లు) కలిగి ఉండవలెను. ఏదైనా సంస్థ లేదా ఏదైనా వినియోగదారుల కేటగిరీ తరుపున సూచనలు/అభ్యంతరాలు/సలహాలు ఇవ్వదలిచినచో ఆ విషయం కూడా నివేదికలో స్పష్టీకరించవలెను. తమ వాదనలు గాని / అభ్యంతరాలను గాని వీడియో కాన్ఫరెన్స్ ద్వారా మౌఖికంగా విన్నవించుకోదలచుకుంటే ప్రత్యేకంగా పేర్కొనవలెను. సూచనలు/అభ్యంతరాలు/సలహాల వివరాలను ఈ క్రింద తెలుపబడిన పట్టికలో పొందుపరచి జతపరచవలెను.

అభ్యంతర దారుని పేరు, పూర్తి చిరునామా & ఫోన్ నెంబరు (ఫ్రాట్‌ఫ్ నెం. & ఇమెయిల్ ఐడి)	సూచనలు/ అభ్యంతరాలు/ సలహాలు సంక్షిప్త వివరాలు	ఏపిజఆర్‌సిపిడిసియల్ ప్రతిపాదనల మీద అభ్యంతరాలు	ఏపిజఆర్‌సిపిడిసియల్ కార్పొరేట్ కార్యాలయంనకు అభ్యంతర ప్రతిని & పంపిన బుజువును జతపరచవలసినది (అవును/కాదు)	అభ్యంతర దారు వీడియో సమావేశం ద్వారా స్వయం విచారణ కోరుచున్నారా (అవును/కాదు) ఆవును అయిన ఆపు ఏ DEIEE ఆఫీసు నుండి హాజరుకావలసినదీ తెలపండి

గమనిక: నిర్ణీత గడువు తరువాత సమర్పించిన అభ్యంతరములను గౌరవ కమీషను వారిచే పరిగణించబడవు.

4. ఆర్థిక సంవత్సరం 2023-24 కొరకు రైస్‌సెట్ ప్రతిపాదించ రిటైల్ సరఫరా వ్యాపారం కొరకు ఎఆర్ఆర్, టారిఫ్ మరియు సిఎస్ఎస్ సమ్మేళన సారాంశం

ఏపిసిపిడిసిఎల్ యొక్క ఎఆర్ఆర్ షెడూల్స

క్రమ సంఖ్య	వివరాలు	2023-24 అంచనాలు (రూ.కోట్లు)	క్రమ సంఖ్య	వివరాలు	2023-24 అంచనాలు (రూ.కోట్లు)
1	ట్రాన్స్ మిషన్ ఖర్చు	817.08	10	ఇతర ఖర్చులు, ఏమైనా ఉన్నట్లయితే	5.39
2	ఎస్.ఎల్.డి.సి ఖర్చు	10.07	11	పింఛన్ బాధ్యు పైన అదనపు వడ్డీ.	238.09
3	పంబికీ ఖర్చు	2578.15		(APGENCO ఉత్పత్తు)	
4	పి.జి.సి.ఐ.యల్ ఖర్చు	364.10	12	సవరణ వ్యయం (7+8+9+10+11)	8370.78
5	యు.ఎల్.డి.సి. ఛార్జీలు	0.74	13	సమగ్ర ఆదాయ అవశ్యకత (6+12)	12140.92
6	నెట్‌వర్క్ మరియు ఎస్.ఎల్.డి.సి వ్యయం (1 + 2 + 3 + 4 + 5)	3770.14	14	మొత్తం రాబడి (15 + 16 + 17)	12140.92
			15	ప్రతిపాదిత ఫుల్ కాస్ట్ రికవరీ టారిఫ్ నుండి రాబడి	11668.12
7	విద్యుత్ కొనుగోలు / పీకరణ ఖర్చు	8013.31	16	టారిఫేతర రాబడి	440.23
8	వినియోగదారుల ధరావతు మీద వడ్డీ	88.00	17	క్రాస్ సబ్సిడి సర్ ఛార్జీ మరియు గ్రిడ్ సపోర్ట్ ఛార్జీలు	32.57
9	లిక్విడ్ సరఫరాలో వ్యాపారంలో సరఫరా మార్జిన్	25.99	18	నికర ఆదాయ లోటు (14-13)	0.00

ఈస్టర్న్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్

పీఏటీ కాలని, సీతమ్మధార, గురుద్వారా కూడలి ప్రక్కన, విశాఖపట్నం-530 013

బహిరంగ ప్రకటన

1. ఇందుమూలంగా ఏపిజఆర్‌సిపిడిసియల్ పరిధిలోని యావన్మందికి తెలియజేయునది ఏమనగా ప్రభుత్వ యాజమాన్యంలోని డిస్ట్రిబ్యూషన్ మరియు లైటల్ సరఫరా లైసెన్స్ నెం.12/2000 కలిగి ఉన్న పంబికీ సంస్థ "ఈస్టర్న్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్ (ఏపిజఆర్‌సిపిడిసియల్)" 2023-24 ఆర్థిక సంగాణికి లైటల్ సరఫరా వ్యాపారమునకు గాను సమగ్ర ఆదాయ అవశ్యకత, టారిఫ్ మరియు క్రాస్ సబ్సిడీ సర్‌ఛార్జీల ప్రతిపాదనలను తేదీ:30-11-2022న ఆంధ్రప్రదేశ్ ఎలక్ట్రిసిటీ రెగ్యులేటరీ కమీషన్ (ఏపిజఆర్‌సి) వారికి సమర్పించడమైనది. ఈ ప్రతిపాదనలను గౌరవ కమీషను వారిచే ఓ.పి.నెం.67/2022 గా నమోదు చేయబడినది.
2. పైన 1ఎ పేరాలో పేర్కొన్న ప్రతిపాదనల ప్రతులు చీఫ్ జనరల్ మేనేజర్ (పి.పి.ఎ, ఆర్.ఎ.సి. & సోలార్ ఎనర్జ) "ఈస్టర్న్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్ (ఏపిజఆర్‌సిపిడిసియల్)", కార్పొరేట్ కార్యాలయం, పి & టి కాలని, సీతమ్మధార, విశాఖపట్నం-**530013** మరియు శ్రీకాకుళం, విజయనగరం, విశాఖపట్నం, రాజమహేంద్రవరం మరియు ఏలూరు సర్కిల్‌లలో ఉన్న సూపరింటెండింగ్ ఇంజనీర్ వారి కార్యాలయముల వద్ద లభ్యమగును. ఆసక్తి గల వారు ఈ ప్రతిపాదనలను కార్యాలయం పనివేళలలో ఉచితంగా పరిశీలించవచ్చు. ఈ ప్రతిపాదనలు డిస్ట్రిబ్యూషన్ కంపెనీ వారి వెబ్‌సైట్ **www.apeasternpower.com** లో లభించును మరియు వీటిని **www.aperc.gov.in** వెబ్‌సైట్‌లో కూడా పొందవచ్చును. ప్రచురించిన తేది నుండి కాపీ ఒక్కింటికి రూ.100/- (వ్యక్తిగతంగా నగదు రూపేణా లేదా పీ ఆఫీసర్, ఏపిజఆర్‌సిపిడిసియల్, విశాఖపట్నం వారి పేరున డిడి రూపేణా) చెల్లింపు మీదట ఈ ప్రతిపాదనలను పైన తెలిపిన కార్యాలయాల నుండి పొందవచ్చును. ఈ ప్రతిపాదనల యొక్క సంక్షిప్త సమాచార ప్రతులను ఇంగ్లీష్ లేదా తెలుగులో కాపీ ఒక్కింటికీ రూ.10/- (వ్యక్తిగతంగా నగదు రూపేణా లేదా పీ ఆఫీసర్, ఏపిజఆర్‌సిపిడిసియల్, విశాఖపట్నం వారి పేరున డిడి రూపేణా) బొమ్మన చెల్లింప పైన తెలిపిన కార్యాలయాలలో పొందవచ్చును.
3. డిస్ట్రిబ్యూషన్ కంపెనీ ప్రతిపాదించిన సమగ్ర ఆదాయ అవశ్యకత, టారిఫ్ మరియు క్రాస్ సబ్సిడీ సర్‌ఛార్జీల ప్రతిపాదనలు (ఎ.ఆర్.ఆర్, టారిఫ్ & సిఎస్ఎస్) పై సూచనలు/అభ్యంతరాలు/సలహాలు ఏవైనా ఉన్నయెడల వాటిని సంబంధిత ఆధారాలతో జతపరచి **తేదీ:05-01-2023** సా॥ **5.00** గం॥లోపు అందే విధంగా రిజిస్టర్ పోస్ట్ ద్వారా లేదా వ్యక్తిగతంగా గాని సదరు అభ్యంతరాల ప్రతులను ఏపిజఆర్‌సిపిడిసియల్, కార్పొరేట్ కార్యాలయంలోని చీఫ్ జనరల్ మేనేజర్ (పి.పి.ఎ, ఆర్.ఎ.సి & సోలార్ ఎనర్జి), "ఈస్టర్న్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్ (ఏపిజఆర్‌సిపిడిసియల్)", కార్పొరేట్ కార్యాలయం, పి & టి కాలని, సీతమ్మధార, విశాఖపట్నం-**530013** గారికి పంపుటగా అట్లు పంపిన వాటి నకలును మరియు ప్రతిని పంపిన బుజువును కమీషన్ సెక్రటరి, ఏపిజఆర్‌సికి పైన తెలిపిన చిరునామాకు పంపగలరు. సదరు సూచనలు/అభ్యంతరాలు/సలహాలు తప్పనిసరిగా సంతకం చేయబడవలెను మరియు పూర్తి పేరు(లు), పోస్టల్ చిరునామా(లు) కలిగి ఉండవలెను. ఏదైనా సంస్థ లేదా ఏదైనా వినియోగదారుల కేటగిరీ తరుపున సూచనలు/అభ్యంతరాలు/సలహాలు ఇవ్వదలిచినచో ఆ విషయం కూడా నివేదికలో స్పష్టీకరించవలెను. తమ వాదనలు గాని / అభ్యంతరాలను గాని వీడియో కాన్ఫరెన్స్ ద్వారా మౌఖికంగా విన్నవించుకోదలచుకుంటే ప్రత్యేకంగా పేర్కొనవలెను. సూచనలు/అభ్యంతరాలు/సలహాల వివరాలను ఈ క్రింద తెలుపబడిన పట్టికలో పొందుపరచి జతపరచవలెను.

అభ్యంతర దారుని పేరు, పూర్తి చిరునామా & ఫోన్ నెంబరు (ఫ్రాట్‌ఫ్ నెం. & ఇమెయిల్ ఐడి)	సూచనలు/ అభ్యంతరాలు/ సలహాలు సంక్షిప్త వివరాలు	ఏపిజఆర్‌సిపిడిసియల్ ప్రతిపాదనల మీద అభ్యంతరాలు	ఏపిజఆర్‌సిపిడిసియల్ కార్పొరేట్ కార్యాలయంనకు అభ్యంతర ప్రతిని & పంపిన బుజువును జతపరచవలసినది (అవును/కాదు)	అభ్యంతర దారు వీడియో సమావేశం ద్వారా స్వయంగా విచారణ కోరుచున్నారా (అవును/కాదు) ఆవును అయిన ఆపు ఏ DEIEE ఆఫీసు నుండి హాజరుకావలసినదీ తెలపండి

గమనిక: నిర్ణీత గడువు తరువాత సమర్పించిన అభ్యంతరములను గౌరవ కమీషను వారిచే పరిగణించబడవు.

4. ఆర్థిక సంవత్సరం 2023-24 కొరకు రైస్‌సెట్ ప్రతిపాదించ రిటైల్ సరఫరా వ్యాపారం కొరకు ఎఆర్ఆర్, టారిఫ్ మరియు సిఎస్ఎస్ సమ్మేళన సారాంశం

ఏపిజఆర్‌సిపిడిసిఎల్ యొక్క ఎఆర్ఆర్ షెడూల్స

క్రమ సంఖ్య	వివరాలు	2023-24 అంచనాలు (రూ.కోట్లు)	క్రమ సంఖ్య	వివరాలు	2023-24 అంచనాలు (రూ.కోట్లు)
1	ట్రాన్స్ మిషన్ ఖర్చు	1163.96	10	ఇతర ఖర్చులు, ఏమైనా ఉన్నట్లయితే	50.06
2	ఎస్.ఎల్.డి.సి ఖర్చు	15.51	11	పింఛన్ బాధ్యు పైన అదనపు వడ్డీ.	369.48
3	పంబికీ ఖర్చు	3351.66		(APGENCO ఉత్పత్తు)	
4	పి.జి.సి.ఐ.యల్ ఖర్చు	565.03	12	సవరణ వ్యయం (7+8+9+10+11)	14481.70
5	యు.ఎల్.డి.సి. ఛార్జీలు	1.15	13	సమగ్ర ఆదాయ అవశ్యకత (6+12)	19579.01
6	నెట్‌వర్క్ మరియు ఎస్.ఎల్.డి.సి వ్యయం (1 + 2 + 3 + 4 + 5)	5097.31	14	మొత్తం రాబడి (15 + 16 + 17)	19579.01
			15	ప్రతిపాదిత ఫుల్ కాస్ట్ రికవరీ టారిఫ్ నుండి రాబడి	19087.17
7	విద్యుత్ కొనుగోలు / పీకరణ ఖర్చు	13892.31	16	టారిఫేతర రాబడి	456.67
8	వినియోగదారుల ధరావతు మీద వడ్డీ	143.36	17	క్రాస్ సబ్సిడి సర్ ఛార్జీల నుండి రాబడి	35.18
9	లిక్విడ్ సరఫరాలో వ్యాపారంలో సరఫరా మార్జిన్	26.48	18	నికర ఆదాయ లోటు (14-13)	0.00

సదరన్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్

19-13-65/ఎ, విద్యుత్ నిలయం, శ్రీనివాసపురం, తిరుపతి-517 503

బహిరంగ ప్రకటన

1. ఇందుమూలంగా ఏపిఎస్‌పిడిసియల్ పరిధిలోని యావన్మందికి తెలియజేయునది ఏమనగా ప్రభుత్వ యాజమాన్యంలోని డిస్ట్రిబ్యూషన్ మరియు లైటల్ సరఫరా లైసెన్స్ నెం.15/2000 కలిగి ఉన్న పంబికీ సంస్థ "సదరన్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్ (ఏపిఎస్‌పిడిసియల్)" 2023-24 ఆర్థిక సంగాణికి లైటల్ సరఫరా వ్యాపారమునకు గాను సమగ్ర ఆదాయ అవశ్యకత, టారిఫ్ మరియు క్రాస్ సబ్సిడీ సర్‌ఛార్జీల ప్రతిపాదనలను తేదీ:30-11-2022 న ఆంధ్రప్రదేశ్ ఎలక్ట్రిసిటీ రెగ్యులేటరీ కమీషన్ (ఏపిజఆర్‌సి) వారికి సమర్పించడమైనది. ఈ ప్రతిపాదనలను గౌరవ కమీషను వారిచే ఓ.పి.నెం.65/2022 గా నమోదు చేయబడినది.
2. పైన 1ఎ పేరాలో పేర్కొన్న ప్రతిపాదనల ప్రతులు చీఫ్ జనరల్ మేనేజర్, (ఆర్ఎసి & ఐపిసి), "సదరన్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్ (ఏపిఎస్‌పిడిసియల్)", కార్పొరేట్ కార్యాలయం, డోర్ నెం. **19-13-65**/ఎ, విద్యుత్ నిలయం, శ్రీనివాసపురం, తిరుపతి-**517503** మరియు నెల్లూరు, తిరుపతి, కడప, అనంతపురం మరియు కర్నూలు సర్కిల్‌లలో ఉన్న సూపరింటెండింగ్ ఇంజనీర్ వారి కార్యాలయముల వద్ద లభ్యమగును. ఆసక్తి గల వారు ఈ ప్రతిపాదనలను కార్యాలయం పనివేళలలో ఉచితంగా పరిశీలించవచ్చు. ఈ ప్రతిపాదనలు డిస్ట్రిబ్యూషన్ కంపెనీ వారి వెబ్‌సైట్ **www.apspdcl.in** లో లభించును మరియు వీటిని **www.aperc.gov.in** వెబ్‌సైట్‌లో కూడా పొందవచ్చును. ప్రచురించిన తేది నుండి కాపీ ఒక్కింటికి రూ.100/- (వ్యక్తిగతంగా నగదు రూపేణా లేదా అకౌంట్స్ ఆఫీసర్/సిపిఆర్, ఏపిఎస్‌పిడిసియల్, తిరుపతి వారి పేరున డిడి రూపేణా) చెల్లింపు మీదట ఈ ప్రతిపాదనలను పైన తెలిపిన కార్యాలయాల నుండి పొందవచ్చును. ఈ ప్రతిపాదనల యొక్క సంక్షిప్త సమాచార ప్రతులను ఇంగ్లీష్ లేదా తెలుగులో కాపీ ఒక్కింటికీ రూ.10/- (వ్యక్తిగతంగా నగదు రూపేణా లేదా అకౌంట్స్ ఆఫీసర్/సిపిఆర్, ఏపిఎస్‌పిడిసియల్, తిరుపతి వారి పేరున డిడి రూపేణా) బొమ్మన చెల్లింప పైన తెలిపిన కార్యాలయాలలో పొందవచ్చును.
3. డిస్ట్రిబ్యూషన్ కంపెనీ ప్రతిపాదించిన సమగ్ర ఆదాయ అవశ్యకత, టారిఫ్ మరియు క్రాస్ సబ్సిడీ సర్‌ఛార్జీల ప్రతిపాదనలు (ఎ.ఆర్.ఆర్, టారిఫ్ & సిఎస్ఎస్) పై సూచనలు/అభ్యంతరాలు/సలహాలు ఏవైనా ఉన్నయెడల వాటిని సంబంధిత ఆధారాలతో జతపరచి **తేదీ:05-01-2023** సా॥ **5.00** గం॥లోపు అందే విధంగా రిజిస్టర్ పోస్ట్ ద్వారా లేదా వ్యక్తిగతంగా గాని సదరు అభ్యంతరాల ప్రతులను ఏపిఎస్‌పిడిసియల్, కార్పొరేట్ కార్యాలయంలోని చీఫ్ జనరల్ మేనేజర్, (ఆర్ఎసి & ఐపిసి),"సదరన్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్ (ఏపిఎస్‌పిడిసియల్)", కార్పొరేట్ కార్యాలయము, డోర్ నెం. **19-13-65**/ఎ, విద్యుత్ నిలయం, శ్రీనివాసపురం, తిరుపతి-**517503** గారికి పంపుటగా అట్లు పంపిన వాటి నకలును మరియు ప్రతిని పంపిన బుజువును కమీషన్ సెక్రటరి, ఏపిజఆర్‌సికి పైన తెలిపిన చిరునామాకు పంపగలరు. సదరు సూచనలు/అభ్యంతరాలు/సలహాలు తప్పనిసరిగా సంతకం చేయబడవలెను మరియు పూర్తి పేరు(లు), పోస్టల్ చిరునామా(లు) కలిగి ఉండవలెను. ఏదైనా సంస్థ లేదా ఏదైనా వినియోగదారుల కేటగిరీ తరుపున సూచనలు/అభ్యంతరాలు/సలహాలు ఇవ్వదలిచినచో ఆ విషయం కూడా నివేదికలో స్పష్టీకరించవలెను. తమ వాదనలు గాని / అభ్యంతరాలను గాని వీడియో కాన్ఫరెన్స్ ద్వారా మౌఖికంగా విన్నవించుకోదలచుకుంటే ప్రత్యేకంగా పేర్కొనవలెను. సూచనలు/అభ్యంతరాలు/సలహాల వివరాలను ఈ క్రింద తెలుపబడిన పట్టికలో పొందుపరచి జతపరచవలెను.

అభ్యంతర దారుని పేరు, పూర్తి చిరునామా & ఫోన్ నెంబరు (ఫ్రాట్‌ఫ్ నెం. & ఇమెయిల్ ఐడి)	సూచనలు/ అభ్యంతరాలు/ సలహాలు సంక్షిప్త వివరాలు	ఏపిఎస్‌పిడిసియల్ ప్రతిపాదనల మీద అభ్యంతరాలు	ఏపిఎస్‌పిడిసియల్ కార్పొరేట్ కార్యాలయంనకు అభ్యంతర ప్రతిని & పంపిన బుజువును జతపరచవలసినది (అవును/కాదు)	అభ్యంతర దారు వీడియో సమావేశం ద్వారా స్వయంగా విచారణ కోరుచున్నారా (అవును/కాదు) ఆవును అయిన ఆపు ఏ DEIEE ఆఫీసు నుండి హాజరుకావలసినదీ తెలపండి

గమనిక: నిర్ణీత గడువు తరువాత సమర్పించిన అభ్యంతరములను గౌరవ కమీషను వారిచే పరిగణించబడవు.

4. ఆర్థిక సంవత్సరం 2023-24 కొరకు రైస్‌సెట్ ప్రతిపాదించ రిటైల్ సరఫరా వ్యాపారం కొరకు ఎఆర్ఆర్, టారిఫ్ మరియు సిఎస్ఎస్ సమ్మేళన సారాంశం

ఏపిఎస్‌పిడిసిఎల్ యొక్క ఎఆర్ఆర్ షెడూల్స

క్రమ సంఖ్య	వివరాలు	2023-24 అంచనాలు (రూ.కోట్లు)	క్రమ సంఖ్య	వివరాలు	2023-24 అంచనాలు (రూ.కోట్లు)
1	ట్రాన్స్ మిషన్ ఖర్చు	1415.79	10	ఇతర ఖర్చులు, ఏమైనా ఉన్నట్లయితే	66.43
2	ఎస్.ఎల్.డి.సి ఖర్చు	50.81	11	పింఛన్ బాధ్యు పైన అదనపు వడ్డీ.	412.53
3	పంబికీ ఖర్చు	4414.29		(APGENCO ఉత్పత్తు)	
4	పి.జి.సి.ఐ.యల్ ఖర్చు	769.41	12	సవరణ వ్యయం (7+8+9+10+11)	14219.20
5	యు.ఎల్.డి.సి. ఛార్జీలు	1.28	13	సమగ్ర ఆదాయ అవశ్యకత (6+12)	20870.78
6	నెట్‌వర్క్ మరియు ఎస్.ఎల్.డి.సి వ్యయం (1 + 2 + 3 + 4 + 5)	6651.58	14	మొత్తం రాబడి (15 + 16 + 17)	20870.78
			15	ప్రతిపాదిత ఫుల్ కాస్ట్ రికవరీ టారిఫ్ నుండి రాబడి	19452.50
7	విద్యుత్ కొనుగోలు / పీకరణ ఖర్చు	13555.63	16	టారిఫేతర రాబడి	1312.10
8	వినియోగదారుల ధరావతు మీద వడ్డీ	137.57	17	క్రాస్ సబ్సిడి సర్ ఛార్జీ మరియు గ్రిడ్ సపోర్ట్ ఛార్జీలు	106.18
9	లిక్విడ్ సరఫరాలో వ్యాపారంలో సరఫరా మార్జిన్	45.04	18	నికర ఆదాయ లోటు (14-13)	0.00

ఆర్థిక సంవత్సరం 2023-24 నకు రిటైల్ సరఫరా వ్యాపారం కొరకు ప్రతిపాదించిన టారిఫ్ షెడ్యూలు దిగువ తెలుపబడినది

కేటగిరి	వినియోగదారుని కేటగిరి	ఎల్ టి సరఫరా						హెచ్.టి సరఫరా					ఫిక్స్డ్ / డిమాండ్ ఛార్జీలు
		స్థిర/డిమాండ్ ఛార్జీలు నెలకు (రూ./హెచ్ పి లేక కిలో వాటు)	ఎనర్జీ ఛార్జీలు (రూ./ యూనిట్)	ఎ.పి.ఈ.ఆర్.సి.నెం.161, తేదీ:15-11-2021 ప్రకారం ప్రతిపాదించిన ఫుల్ కాస్ట్ రికవరీ ఛార్జీలు రూ./యూనిట్			విద్యుదీంగ్ యూనిట్	స్థిర/డిమాండ్ ఛార్జీలు నెలకు (రూ./కెవిఏ)	ఎనర్జీ ఛార్జీలు (రూ./ యూనిట్)				
				ఏపీఎస్ఈపిడిసిఎల్	ఏపీఈపిడిసిఎల్	ఏపీసిపిడిసిఎల్			11కెవి	33కెవి	132కెవి	220కెవి	
I	గృహ వినియోగం												
	ఎ) గృహోపకరణము (టెలిస్కోపిక్)												
	0-30	10	1.90	4.14	3.91	4.60	kWh	-	-	-	-	-	
	31-75		3.00	4.66	4.59	5.60	kWh	-	-	-	-	-	
	76-125		4.50	6.10	4.69	6.60	kWh	-	-	-	-	-	
	126-225		6.00	7.84	6.00	7.57	kWh	-	-	-	-	-	
	226-400		8.75	8.75	8.75	8.75	kWh	-	-	-	-	-	
	>400		9.75	9.75	9.75	9.75	kWh	-	-	-	-	-	
	నెల ఒక్కింటికి 500 యూనిట్లు పైబడి వినియోగిస్తున్న వినియోగదారులు స్మార్ట్ మీటర్లు ఎంపిక చేసుకోవచ్చును మరియు అట్టి వినియోగదారులకు ఉ.గం. 10.00 నుండి మ.గం. 12.00 మధ్య వినియోగమునకు యూనిట్ ఒక్కింటికి రూ.1/- చొప్పున టి.ఓ.డి తగ్గింపు వర్తిస్తుంది.												
	బి) టౌన్ షిప్‌లు, కాలనీలు, గేటెడ్ కమ్యూనిటీలు మరియు విల్లాలు		-	-	-	-	kVAh	75	7.00	7.00	7.00	7.00	
II	వాణిజ్యము మరియు ఇతరములు												
	ఎ (i) : వాణిజ్యము												
	0-50	75	5.40	5.40	5.40	5.40	kWh/kVAh	475	7.65	6.95	6.70	6.65	
	51-100		7.65	7.65	7.65	7.65	kWh/kVAh						
	101-300		9.05	9.05	9.05	9.05	kWh/kVAh						
	301-500		9.60	9.60	9.60	9.60	kWh/kVAh						
	500 యూనిట్లు పైబడి		10.15	10.15	10.15	10.15	kWh/kVAh						
	టైమ్ ఆఫ్ డే టారిఫ్ (టీఓడి)-పీక్ (రాత్రి 6.00 నుండి రాత్రి 10.00 వరకు)	-	-	-	-	-	kWh/kVAh		8.65	7.95	7.70	7.65	
	(ii) ప్రకటనల హోర్డింగులు	100	12.25	12.25	12.25	12.25	kWh/kVAh	-	-	-	-	-	
	(iii) ఫంక్షన్ హాల్‌లు / ఆడిటోరియంలు	-	12.25	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25	
	బి) స్టాటిస్ పవర్	-	12.25	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25	
	సి) విద్యుత్ బాహనాలు (బసులు) / చార్జింగ్ స్టేషన్‌లు	-	6.70	6.70	6.70	6.70	kWh/kVAh	-	6.70	6.70	6.70	6.70	
	డి) గ్రీన్ పవర్	-	12.25	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25	
III	పరిశ్రమలు												
	(ఎ) : పరిశ్రమలు (సాధారణ)	75	6.70	6.70	6.70	6.70	kWh/kVAh	475	-	-	-	-	
	టైమ్ ఆఫ్ డే టారిఫ్ (టీఓడి) (అధిక గ్రిడ్ డిమాండ్) (ఫిబ్రవరి '24, మార్చి '24), (ఏప్రిల్ '23 - మే '23) & (సెప్టెంబర్ '23 - అక్టోబర్ - '23)												
	పీక్ (06-10) & (18-22)	-	-	-	-	-	kWh/kVAh		7.80	7.35	6.90	6.85	
	ఆఫ్-పీక్ (10-15) & (00-06)	-	-	-	-	-	kWh/kVAh		5.55	5.10	4.65	4.60	
	సాధారణం (15-18) & (22-24)	-	-	-	-	-	kWh/kVAh		6.30	5.85	5.40	5.35	
	టైమ్ ఆఫ్ డే టారిఫ్ (టీఓడి) (తక్కువ గ్రిడ్ డిమాండ్) (జూన్ '23-ఆగస్ట్-'23) & (నవంబర్ '23 - జనవరి '24)												
	పీక్ (06-10) & (18-22)	-	-	-	-	-	kWh/kVAh		7.30	6.85	6.40	6.35	
	ఆఫ్-పీక్ (10-15) & (00-06)	-	-	-	-	-	kWh/kVAh		5.55	5.10	4.65	4.60	
	సాధారణం (15-18) & (22-24)	-	-	-	-	-	kWh/kVAh		6.30	5.85	5.40	5.35	
	పరిశ్రమలు కాటన్‌లు	-	-	-	-	-	kWh/kVAh	-	7.00	7.00	7.00	7.00	
	(బి) : కేజువల్ పరిశ్రమలు (ఆఫ్ సీజన్)	75	7.45	7.45	7.45	7.45	kWh/kVAh	475	7.65	6.95	6.70	6.65	
	(సి) : ఎనర్జీ ఇంటెన్సివ్ పరిశ్రమలు												
	టైమ్ ఆఫ్ డే టారిఫ్ (టీఓడి) (అధిక గ్రిడ్ డిమాండ్) (ఫిబ్రవరి '24, మార్చి '24), (ఏప్రిల్ '23 - మే '23) & (సెప్టెంబర్ '23 - అక్టోబర్ - '23)												
	పీక్ (06-10) & (18-22)	-	-	-	-	-	kWh/kVAh		7.30	6.85	6.45	6.40	
	ఆఫ్-పీక్ (10-15) & (00-06)	-	-	-	-	-	kWh/kVAh		5.05	4.60	4.20	4.15	
	సాధారణం (15-18) & (22-24)	-	-	-	-	-	kWh/kVAh	475	5.80	5.35	4.95	4.90	
	టైమ్ ఆఫ్ డే టారిఫ్ (టీఓడి) (తక్కువ గ్రిడ్ డిమాండ్) (జూన్ '23-ఆగస్ట్-'23) & (నవంబర్ '23 - జనవరి '24)												
	పీక్ (06-10) & (18-22)	-	-	-	-	-	kWh/kVAh		6.80	6.35	5.95	5.90	
	ఆఫ్-పీక్ (10-15) & (00-06)	-	-	-	-	-	kWh/kVAh		5.05	4.60	4.20	4.15	
	సాధారణం (15-18) & (22-24)	-	-	-	-	-	kWh/kVAh		5.80	5.35	4.95	4.90	
	(డి) : కుటీర పరిశ్రమలు 10 హెచ్ పి' వరకు	20	3.75	3.75	3.75	3.75	kWh/kVAh	-	-	-	-	-	
	*-గవర్నమెంట్ ఆర్డర్ చేసిన ఉత్తర్వులు సూచిక జ.ఓ. ఆర్.టి.నెం. 75, తేది. 27-06-2018 ప్రకారం ధోబి ఘాట్లకు ఉచిత విద్యుత్ సరఫరాను విస్తరించాలి												
IV	ఇన్‌స్టిట్యూషనల్												
	(ఎ) : యుటిలిటీలు (వీధి దీపాలు, యస్.టి.ఆర్ సుజల పథకం, సివిలబ్యూషన్ మరియు విద్యుచ్ఛక్తి	75	7.00	7.00	7.00	7.00	kWh/kVAh	475	7.65	6.95	6.70	6.65	
	(బి) : సాధారణ ప్రయోజనాలు	75	7.00	7.00	7.00	7.00	kWh/kVAh	475	7.95	7.25	7.00	6.95	
	(సి) : మత సంబంధమైన ప్రదేశాలు	30	5.00	5.00	5.00	5.00	kWh/kVAh	30	5.00	5.00	5.00	5.00	
	(డి) : రైల్వే ట్రాక్షన్	-	-	-	-	-	kVAh	350	5.50	5.50	5.50	5.50	
V	వ్యవసాయం మరియు సంబంధిత												
	(ఎ) : వ్యవసాయం												
	(i) కార్బోరేటెడ్ రైతులు	-	3.50	7.57	7.41	3.50	kWh	-	-	-	-	-	
	(ii) కార్బోరేటెడ్ రైతులు కానివారు	-	-	8.03	7.52	8.19	-	-	-	-	-	-	
	(iii) ఉమ్మ, తయారీ లేదా 15 హెచ్ పి. వరకు	-	2.50	7.62	7.48	2.50	kWh/kVAh	-	-	-	-	-	
	(iv) చెఱకు గానుగ	-	-	6.66	7.39	8.19	-	-	-	-	-	-	
	(v) గ్రామీణ ఉద్యానవన నర్సరీలు	-	-	7.76	7.52	8.19	-	-	-	-	-	-	
	(vi) పౌరీ కల్చర్ బ్లాక్ గ్రీస్ హౌస్	75	4.50	4.50	4.50	4.50	kWh/kVAh	-	-	-	-	-	
	(బి) : ఆక్వా కల్చర్ మరియు పశు సంవర్ధక	30	3.85	7.50	7.22	3.85	kWh/kVAh	30	3.85	3.85	3.85	3.85	
	(డి) : వ్యవసాయ ఆధారిత కుటీర పరిశ్రమలు 10 హెచ్ పి' వరకు	20	3.75	7.45	6.91	3.75	kWh/kVAh	-	-	-	-	-	
	(ఇ) : ప్రభుత్వ మరియు ప్రైవేటు ఎత్తిపోతల స్కీములు	-	6.40	7.75	6.40	6.40	kVAh	-	7.15	7.15	7.15	7.15	

గమనిక: i. హెచ్‌టి ఎనర్జీ ఇన్‌టెన్సివ్ పరిశ్రమల వినియోగదారులు తప్పనిసరిగా సంవత్సరమునకు 6701 KVAh/KVA (రసగము రించుండి మీద లేదా సగము బాస్తుల డిమాండ్ మీద ఏది అధికంగా వుంటే దాని మీద) చొప్పున వినియోగించవలెను. బాస్తుల బాట్టిక వినియోగము 6701 KVAh/KVA కన్నా తగ్గినచో ఆ వినియోగమును దీన్ని వినియోగము క్రింద లెక్కించి చేయడం జరుగుతుంది. ii. అన్ని ఇతర సరఫరాలు అట్టిక సంవత్సరం 2022-23 నందలి రిటైల్ టారిఫ్ షెడ్యూలు యొక్క చాప్టర్-X ప్రకారం ఉంటాయి.

ఫుల్ ఫిక్స్డ్ రికవరీ ఛార్జీలు

ఎనర్జీ ఛార్జీలు సమానంగా ఫుల్ ఫిక్స్డ్ రికవరీ ఛార్జీలు

ఎనర్జీ ఛార్జీలు సంబంధించి ఎల్ టి మరియు హెచ్ టి వినియోగదారులకు ఎల్ టి మరియు హెచ్ టి వినియోగదారులకు వర్తించే ఫిక్స్డ్ / డిమాండ్ ఛార్జీలు

ఆర్థిక సంవత్సరం 2023-24 కొరకు ప్రతిపాదించిన క్రాస్ సబ్సిడీ సర్‌చార్జి ధరలు క్రింద తెలుపబడినవి

కేటగిరి		హెచ్‌టి సరఫరా	వర్తించే సర్‌చార్జీలు (రూ./యూనిట్)		
			ఏపీఎస్ఈపిడిసిఎల్	ఏపీఈపిడిసిఎల్	ఏపీసిపిడిసిఎల్
11 కెవి వద్ద					
I	B	టౌన్ షిప్‌లు, కాలనీలు, గేటెడ్ కమ్యూనిటీలు మరియు విల్లాలు	1.06	1.12	1.01
II	A (i)	వాణిజ్యము	2.14	2.20	2.11
II	A(iii)	ఫంక్షన్ హాలులు / ఆడిటోరియంలు	2.45	2.45	2.45
II	B	స్టాటిస్ పవర్	2.45	2.45	2.45
II	D	గ్రీన్ పవర్	2.45	-	2.45
III	A	పరిశ్రమలు సాధారణ	1.89	1.73	1.88
III	B	సీజనల్ పరిశ్రమలు	2.45	2.67	3.10
III	C	ఎనర్జీ ఇంటెన్సివ్ పరిశ్రమలు	0.72	-	1.58
IV	A	యుటిలిటీలు	1.90	1.93	1.91
IV	B	సాధారణ ప్రయోజనము	2.09	2.25	2.18
V	E	ప్రభుత్వ / ప్రైవేట్ లిఫ్ట్ ఇరిగేషన్	0.67	0.80	0.69
33 కె.వి. వద్ద					
I	B	టౌన్ షిప్‌లు, కాలనీలు, గేటెడ్ కమ్యూనిటీలు మరియు విల్లాలు	1.55	1.46	1.54
II	A (i)	వాణిజ్యము	1.97	1.91	1.89
II	A(iii)	ఫంక్షన్ హాలులు / ఆడిటోరియంలు	-	-	2.45
II	B	స్టాటిస్ పవర్	2.45	2.45	2.45
II	D	గ్రీన్ పవర్	-	-	2.45
III	A	పరిశ్రమలు సాధారణ	1.54	1.47	1.49
III	B	సీజనల్ పరిశ్రమలు	-	1.84	2.83
III	C	ఎనర్జీ ఇంటెన్సివ్ పరిశ్రమలు	0.86	1.01	0.88
IV	A	యుటిలిటీలు	-	1.60	1.79
IV	B	సాధారణ ప్రయోజనము	2.10	-	2.30
V	E	ప్రభుత్వ / ప్రైవేట్ లిఫ్ట్ ఇరిగేషన్	1.43	1.43	1.43
132 కె.వి. వద్ద					
II	A (i)	వాణిజ్యము	-	1.62	1.66
II	A (iii)	ఫంక్షన్ హాలులు / ఆడిటోరియంలు	-	-	2.45
II	B	స్టాటిస్ పవర్	-	2.45	2.45
II	D	గ్రీన్‌పవర్	-	-	2.45
III	A	పరిశ్రమలు సాధారణ	1.36	1.37	1.34
III	C	ఎనర్జీ ఇంటెన్సివ్ పరిశ్రమలు	-	0.89	1.00
IV	D	రైల్వే ట్రాక్షన్	1.36	1.33	1.41
V	E	ప్రభుత్వ / ప్రైవేట్ లిఫ్ట్ ఇరిగేషన్	1.43	-	1.43
220 కె.వి. వద్ద					
II	A(i)	వాణిజ్యము	-	1.95	-
II	B	స్టాటిస్ పవర్	-	2.45	-
III	A	పరిశ్రమలు సాధారణ	-	1.32	1.41
III	C	ఎనర్జీ ఇంటెన్సివ్ పరిశ్రమలు	-	0.67	-
IV	D	రైల్వే ట్రాక్షన్	-	-	1.46
V	E	ప్రభుత్వ / ప్రైవేట్ లిఫ్ట్ ఇరిగేషన్	-	1.43	1.43

బ్రైన్స్‌లు ఎలక్ట్రిసిటీ, టారిఫ్ & సి.యస్.యస్ విచారణ షెడ్యూలు

5. రాష్ట్రంలోని వివిధ ప్రాంతాలలోని అందరు భాగస్వామ్యులకు అవకాశం కల్పించుట కొరకు టీడీయో సమావేశం ద్వారా విచారణ నిర్వహించుటకు కమీషన్ నిర్ణయం తీసుకోవడం జరిగినది. 3 దినములకు సంబంధించిన ఈ విచారణలు 19-01-2023, 20-01-2023 మరియు 21-01-2023 తేదీలలో ఉగం.10:30 నుండి మగం.1:00 వరకు మరియు మగం.2:00 నుండి సాగం.4:30 వీలు వరకు నిర్వహించారు.

తేదీ: **19-01-2023** (గురువారం) షెడ్యూలు

ఉ.గం.10:30 నుండి ఉ.గం.10:35	కమీషన్ సెక్రటరీ ప్రారంభ వ్యాఖ్యలు
ఉ.గం.10:35 నుండి ఉ.గం.10:40	గొంపర్ల ప్రొద్దుకే APERC వారి వ్యాఖ్యలు
ఉ.గం.10:40 నుండి ఉ.గం.11:30	దీన్యులు సమర్పణలు
ఉ.గం.11:30 నుండి మ.గం.1:00	ప్రజా యొక్క సాధారణప్రత్యుత్తరములుస్వీకారం
మ.గం.1:00 నుండి మ.గం.2:00	భద్రాపాత్ర భోజన విరామం
మ.గం.2:00 నుండి సా.గం.4:30	ప్రజా యొక్క సాధారణప్రత్యుత్తరములుస్వీకారం

తేదీ: **20-01-2023** (శుక్రవారం) షెడ్యూలు

ఉ.గం.10:30 నుండి మ.గం.1:00	ప్రజా యొక్క సాధారణప్రత్యుత్తరములుస్వీకారం
మ.గం.1:00 నుండి మ.గం.2:00	భద్రాపాత్ర భోజన విరామం
మ.గం.2:00 నుండి సా.గం.4:30	ప్రజా యొక్క సాధారణప్రత్యుత్తరములుస్వీకారం

తేదీ: **21-01-2023** (శనివారం) షెడ్యూలు

ఉ.గం.10:30 నుండి మ.గం.1:00	ప్రజా యొక్క సాధారణప్రత్యుత్తరములుస్వీకారం
మ.గం.1:00 నుండి మ.గం.2:00	భద్రాపాత్ర భోజన విరామం
మ.గం.2:00 నుండి మ.గం.3:00	ప్రజా యొక్క సాధారణప్రత్యుత్తరములుస్వీకారం
మ.గం.3:00 నుండి సా.గం.4:30	దీన్యుల స్పందన

6. బహిరంగ విచారణలో వీడియో సమావేశం ద్వారా పాల్గొనేగోరు ఆసక్తి కల పక్షములు తమ ఉద్దేశాన్ని ముందస్తుగా దీన్యంకు తెలియజేస్తూ కమీషన్‌కు వకలు సమర్పించవలెను. ఆ ఉద్దేశంలో పక్షపు సమీపములోని ఏ కార్యనిర్వాహక ఇంజనీరు/డివిజనల్ ఇంజనీరు కార్యాలయము నుండి తన అభ్యర్థనములను సమర్పించాలనుకుంటున్నారో ఆ కార్యాలయమును తెలియజేయాలి.

7. రోజువారీగా తమ దృక్పథం (అభిప్రాయం) వెలిబుచ్చే అభ్యంతర దారుల పేర్ల జాబితాను కమీషను తమ వెబ్‌సైట్ నందు ఉంచుతుంది. 8. తమ మౌఖిక సమర్పణలు చేయుటకు ఇంతకుపూర్వం తెలియజేయని వ్యక్తుల నుండి ఏదైనా దీఘ్రతర అభ్యర్థనలు అందితే వాటిని పెద్దాలులోని అభ్యంతరములు విన్న తరువాత విచారణ సంబంధిత దీఘ్రతర వీడియో సమావేశం ద్వారా కమీషన్‌కు తెలియపరుస్తారు. కమీషన్ అనుమతించినటో అట్టి వ్యక్తులు సమర్పణలు చేయవచ్చును. దీన్యులు సమావేశపు లింకును పొందటానికి, ప్రజలు దీని కార్యాలయమునకు వెళ్ళవసరము లేకుండా తమ వ్యక్తిగత ఉపకరణముల ద్వారా అభ్యంతరములను వీడియో సమావేశం పద్ధతిలో సమర్పించుటకు పత్రికలలో వేరుగా ఆలింకును ప్రచురించవను. 9. పైన తెలిపిన మూడు రోజులు విశాఖపట్నంలో వున్న APEPDCL సమావేశమందిరము నందు కమీషను వారు సమావేశమగుదురు. 10. బహిరంగ విచారణలు ప్రత్యక్ష ప్రసారం చేయబడతాయి. ప్రత్యక్ష ప్రసారాన్ని వీక్షించే పద్ధతి మరియు విధానం బిగిగా ప్రింట్/ఎలక్ట్రానిక్ వీడియో ద్వారా ప్రచురించబడుతుంది.

తేదీ: 15-12-2022 ప్రదేశం: విజయవాడ	ఛైర్మన్ & మేనేజింగ్ డైరెక్టర్ ఆంధ్రప్రదేశ్ సెంట్రల్ పవర్ డిస్ట్రిబ్యూషన్ కార్పొరేషన్ లిమిటెడ్	తేదీ: 15-12-2022 ప్రదేశం: విశాఖపట్నం	ఛైర్మన్ & మేనేజింగ్ డైరెక్టర్ తూర్పు పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్	తేదీ: 15-12-2022 ప్రదేశం: తిరుపతి	ఛైర్మన్ & మేనేజింగ్ డైరెక్టర్ సదరన్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్

ANNEXURE – 02
LIST OF OBJECTORS

S. No.	Name of the Objector & Address	
1	Sri Mummareddi Venugopala Rao Senior Journalist & Convener, Centre For Power Studies, H.No.1-100/Mp/101, Monarch Prestige, Journalists' Colony, Serilingampally Mandal , Hyderabad	These Objectors have submitted separate but identical views. They are referred to as Sri M.Venugopala Rao & several others"
2	Sri Ch. Baburao, State Secretariat Member, Cpi(M), 27-28-12, Yamalavari Street, Governorpeta, Vijayawada – 2	
3	Sri Kandharapu Murali Secretariat Member, Communist Party Of India (Marxist), Tirupati District Committee, H.No:18-1-90/12/H-12, M.B.Bhavan, Yasoda Nagar, Tirupati - 517501	
4	Dr B Gangarao M.A Phd Floor Leader, Cpi(M) 78th Ward Corporator Gvmc, Visakhapatnam.	
5	Sri R.K.S.V. Kumar General Secretary, Centre Of Indian Trade Unions (CITU) D.No. 28-6-8, Yellamma Thota, Jagadamba Jn, Visakhapatnam- 20	
6	Sri M Jaggunaidu Visakha Dist Secretary Cpi Address 9-33- 4,Pitapuram Colony, Near Kalabharathi, Maddilapalem, Visakhapatnam 530 013	
7	Sri A. Aja Sarma General Secretary, Forum For Development Of North Andhra (Fdna), B-25, LIC Apartments, Hb Colony, Visakhapatnam- 530 020	
8	Sri K M Kumar Mangalam Flat No 407, Tsr Apartment Sivajipalem, Visakhapatnam. Pin: 530 017	
9	Smt. P. Vydhehi, Secretary, The Federation Of Andhra Pradesh Chambers Of Commerce And Industry (FAPCCI) 54-16-1/2-A, 3rd Floor, Central Excise Colony, Road No.1, Gunadala, Vijayawada - 520008	These Objectors have submitted separate but identical views. They are referred to as FAPCCI & Others
10	Sri R. Shivkumar Andhra Pradesh Textile Mills Association (APTMA), Guntur	
11	Sri I.Gopinath CEO, South Indian Cement Manufacturers' Association (SICMA), 3rd Floor, 36th Square, Plot No. 481, Road No. 36, Jubilee Hills, Hyderabad - 500034	
12	Sri U.M. Kumar Secretary, A P Textile Mills Association, 2nd Floor,	

S. No.	Name of the Objector & Address	
	Manoharam Skin Clinic, 4/2, Lakshmipuram, Guntur-522007	
13	Sri K. Prabhakar Reddy, Ap Rythu Samgha Committee K.B.Bhawan, 3/4b, Vaddeswaram Bypass Road, Tadepalli Mandalam, Guntur Dist-9490098750	These Objectors have submitted separate but identical views. They are referred to as Sri K. Prabhakar Reddy & Others
14	Sri B. Tulasi Das, C-406, Amaravathi Icon, Tadepalli, Guntur Dist.	
15	Sri G. Koteswara Rao, Centre Of Indian Trading Unions (Citu), Door No. 12-04-15, Opp. Rtc Complex, Anakapalli.	
16	Sri G Koteswara Rao, Eluru Nagara Abhivrudhi Committee, Eluru District	
17	Sri K.Appa Rao Andhra Pradesh Rythu Sangam (Aiks) Door.No 12-4-15, Dodhi Ramunaidu Bhavan, Karmika Karshaka Nilayam, Opp-Rtc Complex, Anakapalli	
18	Sri M.Appalaraju, Secretary Andhra Pradesh Rythu Sangham (Aiks) Anakapalli District Committee, D No. 12-4-15, Doddi Ramunaidu Bhavan, Karmika, Karshaka Nilayam, Anakapalli	
19	Sri K. Lokanadham Secretary, Cpi (M), Anakapalli District Committee, D.No.12-4-15, Karmika Karshaka Doddi Ramunaidu Bhavan, Opposite Rtc Complex, Anakapalli	
20	Sri M.V.Anjaneyulu, Besides Bellapu Sobhanadri Library, Near Red Circle, Pushpa Hotel Road, Kasturibaipet, Vijayawada-520 002	
21	Sri Pasupuleti Penchalaiah, Kavali, Nellore	
22	Sri Yallapu Suryanarayana, State Organizing Member, Bharatiya Kisan Sangh, Chinnampeta, Po Sripuram, So Prathipadu, Kakinada(D), Pin- 533432	These Objectors have submitted separate but identical views. They are referred to as Sri Yallapu Suryanarayana & Others
23	Sri Rasamsetty Raja Babu, General Secretary, Bharatiya Kisan Sangh, D.No-3-121, Yallavaari Veedi, O/P Union Bank Street, Prathipadu(M), Kakinada (D)	
24	Sri Jajimoggala Eswararao, Secretary, Bharatiya Kisan Sangh,S/O. Satyanarayana,D.No- 2-110, Kolanka, Pithapuram(M), Kakinada (D)	
25	Dhadi Setti Janaki Pavani Lakshmi, Bharatiya Kisan Sangh, D/O Chantibabu, D.No-8-46/1, Vinayaka Gudi Veddi, Eluru, Prathipadu(M) Pin -533432, Kakinada(D)	
26	Sri Akula Hari Babu, District Secretary, Bharatiya Kisan Sangh,S/O. Venkata Swami, D No. 3-39/2, Lingamparthi,Yeleswaram (M), Pin -533429, Kakinada (D), Andhra Pradesh	
27	Sri Kouluru Pathiraja Kethavaram Post, Jangareddy Gudem, West Godavari District	

S. No.	Name of the Objector & Address	
28	Sri Yalla Venkatanandam, Allavaram, Konaseema District	
29	Sri Mutyala Sreerama Nagendra Prasad (Jameel) Ambajipeta	
30	Sri G. Mahanandi, Nandyala	
31	Sri R Srinivasulu, Nandyala	
32	Sri G. Siva Bharath Kumar, Nandyal	
33	Sri P V Panduranga Rao, Abhijeet Ferrotech Limited, Visakhapatnam	
34	Sri B.Srinivas, Abhijeet Ferrotech Limited	
35	Sri Gadagottu Sri Rambabu, Bapatla	
36	Sri A. Satish Kumar, Bapatla	
37	Sri D. Govindaiah, Bharatiya Communist Party (M), Srikakulam District	
38	Sri G L Narasimhulu Cpi (M), Kadiri Division	
39	Sri Sairami Reddy CREDAI Kurnool Chapter	
40	Sri. S.Tarakesh kurnool	
41	Sri Rajana Dora Babu CPI Dist. Asst. Secretary, Anakapalli District. Andhra Pradesh	
42	Sri T. Tarasingh, 5-71A, Thoorupu Veedhi, Karvetinagar, Chitoor Dist	
43	Sri A.Punna Rao, #59-2-1, 1st lane, Ashok Nagar, Vijayawada	
44	Sri Meesala Basavapunnaiah, Repalle Consumer's Council & Rice Millers Association, 10-13-11/10, Uppudi Road, Repalle - 522 265	
45	Sri K. Munaswamy Naidu, S/O K. Venkatappa Naidu, Kundeti Vari Pall Pakala Post & Mandal, Tirupati	
46	Sri Kakarla Guruswamy Naidu, S/O K. Ramaiah Naidu, Surineni Vari Palli, Pakala-517 112, Tirupati	
47	Sri D.Narasimhulu Naidu, Surineni Vari Palli, Pakala-517 112, Tirupati	
48	Sri N.Muni Rathnam Reddy, S/O Anna Reddy, Ganugapenta, Pakala Mandal Tirupati - 517 112	
49	Sri Syed Parvez, 5-39/2, Bhazaru Veedhi,	

S. No.	Name of the Objector & Address	
	Karveti Nagar Post - 517 582 Chittoor Dist	
50	Sri A. Chenchu Lakshmi, KarvetiNagaram, Sivalayam Street, 1/63, Chittoor Dist	
51	Sri M.Krishna Murty Chief Engineer (Retd.)Apepdcl Secretary Vidyut Pensioners Association Branch Vizianagaram Door 20-23-6 Padmavati Nagar Plot-72 Vizianagaram-535 002	
52	Sri P. Narendranath Chowdary Chairman & Managing Director M/S. The Andhra Sugars Limited, Kovvur - 534 350, E G District,	
53	Sri V.Krishnaiah President, Ap Raitu Sangam, Kb Bhavan, 3/4 B, Vaddeswaram Bypass, Tadepalli Mandal, Guntur (Dt)	
54	Sri Tikkireddy Gopalakrishna, Convener, Plot No.8, Konaseema Gardens, Batlapalem, Amalapuram – 533 221. Bharatiya Agro Economic Research Center, Andhra Pradesh	
55	Sri P. Vijay Gopal Reddy (Chairman) Manishreni Ferroalloys Pvt. Ltd., Sy.No.L302 To 1305, Thurupu Palli Village, Anantharajupet (P), Railway Koduru(M), Kadapa District - 516105.	
56	Sri Jogendra Behera, Cro, Vice President (Regulatory & Market Economics) Iex India Energy Exchange, 9th Floor, Max Towers, Sector 16b, Noida, Up- 201301	
57	M/S. A.P.Ferro Alloys Producers' Association (APFAPA), Flat No:Ff6, Gitanjali Apartments, Tikkle Road, Mogalrajpuram, Vijayawada - 520010, Ap	
58	Sri Dilip Kumar Ganta, Indus Towers Limited, Survey No. 133, 4-51, 8'" Fioor, Sln Terminus, Beside Botanical Gardens, Gachibowli, Hyderabad, Telangana - 500032	
59	Sri B. Ravinatha Reddy State Coordination Officer, Reliance Jio Infocomm Limited, 2nd Floor, Kbr Heights, 40-1.116 & 117, M.G. Road, Vijayawada-520 010, Andhra Pradesh.	
60	Sri Tilak Raj Dua Director General, Digital Infrastructure Providers Association (DIPA)	
61	Sri Lt. Gen. Dr. S P Kochhar Director General, COAI (Cellular Operators Association of India), 14, Bhai Veer Singh Marg, New Delhi 110 001	

S. No.	Name of the Objector & Address	
62	Sri B. Raja Sekhar General Secretary, Andhra Pradesh Chambers Of Commerce And Industry Federation (APCCIF), 40-1-144, 3rd Floor, Corporate Centre, Beside Chandana Grand, Brindavan Colony, M.G. Road, Vijayawada-520010	
63	Sri M. Nethan Reddy, M/S Bharti Airtel Ltd., Splendid Towers, Begumpet, Hyderabad- 500016.	
64	Sri Ch. Venugopal Rao, Federation Of Farmers Associations, H.No.1-191, Railway Wagon WorkShop Road,Guntupalli-521241. Ibrahimpatnam Mandal, Krishna Dist	
65	Sri P.Jeevan Kumar Sri Viswanadha Mushroom Farm Pvt Ltd, Mallu Kunta, T. Narsapuram, West Godavari District	
66	Sri Sidhartha Das, Vice President Commercial, M/S. Hinduja National Power Corporation Ltd, Palavalasa Village, T.Devada Post, Steel Plant (Sub Office), Pedaganiyada Mandel, Visakhapatnam.	
67	Sri Gurajala Malyadri, TDP Party	
68	Si Medasani Vijaya Bhaskar, Bharatiya Kisan Sangh, Viyyur Jamindar Veedi, Beside Raj Yuvaraj Theatre, Gandhi Nagar, Vijayawada	
69	Sri Y. Kondaiah, Visakhapatnam Town Secretary, Cpi (Ml), 9-32-24, Pitapuram Colony, Maddilapalem, Visakhapatnam.	
70	Sri Suresh Khandelwal, Chief Operating Officer, Electro Steel Castings Ltd., Rachagunneri, Srikalahasti (M), Tirupati (Dt.),	
71	Sri A. G. Rajmohan, Gen. Secretary, Andhra Pradesh United Citizens Forum, 1-4-407, H L C. Colony Extn, Anantapur 515004.	
Objections Received During & After Public Hearing		
72	Sri K Suryanarayana, Dy Chief Electrical Engineer, South Central Railway, Secunderabad	
73	Sri B. Balaram Cpi(M) Secretary, W,G.District	
74	Sri Y. Ramana Reddy, Kadapa District	
75	Sri N Santhi, KumarKavali Nellore District	
76	Sri Perumal, Chittoor District Powerloom Weaving Workers Union, Pudupet, Chittoor District	
77	Sri B. Hume Sastri, Visakhapatnam	
78	Sri Anand Kumar Dasi, Eastern Discom Power Engineer's Association, Visakhapatnam	
79	Sri Ennam Venkata Ramana, Akhila Bharata Rytu Kuli	

S. No.	Name of the Objector & Address	
	Sangam, Rampachodavaram.	
80	Sri N. Nagendra Prasad, Padamata, Vijayawada	
81	Sri Kovvuri Trinatha Reddy, Ramachandrapuram	
82	Sri J Suresh Kumar, Pamidi, Anantapur District	
83	Sri Krishna Prasad & Smt Lakshmi Prasad, Nellore District	
84	Sri P. Kotirao, Executive Director, AP Chambers Federation	
85	Sri K Srirama Kishore, Tekkali	
86	Sri J T Rama Rao, Vizag	
87	Sri Aadapa Chandra Sekhar Veera Valli Palem, E G District	
88	Sri J Satyanarayana, Andhra Pradesh Vyavasaya Karmika Sangham, Bhimavaram, W G District	
89	Sri R.G. Krishnan, Joint President, Grasim Industries Limited, Balabhadrapuram	
90	Sri S. Pratap, Apseb Assistant Executive Engineers Association, Vijayawada	
91	Sri Uppuganti Bhaskar Rao, Bandaru Lanka, East Godavari District	
92	Sri P.S.Ellappan, Nagari, Chittoor District	
93	M/S. Anrak Aluminium Limited, Visakhapatnam	
94	Sri H. Venkataram Reddy, Adoni	
95	Sri Laxmipathi, Atmakur, Nellore	
96	Sri P. Gopi Rayudu, Puttur	
97	Sri Madala Venkateswarlu, Nellore	
98	Sri Kondapalli Vasudeva Rao, Visakhapatnam	
99	Sri K. Chandra Babu, Tirupati	
100	Sri G. Siva Prasad, Anantapur	
101	Sri G.S.Rajeswara Rao, Visakhapatnam	
102	Sri Vijaya Bhaskar Reddy, Nellore	
103	Sri,Ch.Narasinga Rao, CITU, Visakhapatnam	
104	M. Balakasi, General Secretary, united Electricity Contract workers Union,Vijayawada	
105	Sri L.Krishna Prasad, Nellore	

ANNEXURE – 03

GOVERNMENT STATEMENT FOR THE FY2023-24

గౌరవ ఆంధ్రప్రదేశ్ రాష్ట్ర విద్యుత్ నియంత్రణ మండలి నిర్వహించుచున్న బహిరంగ విచారణ సందర్భముగా ఆంధ్ర ప్రదేశ్ రాష్ట్ర ప్రభుత్వ ప్రకటన

పారిశ్రామిక రంగం వేగంగా అభివృద్ధి చెందడానికి విద్యుత్ రంగం అత్యంత కీలకం అని రాష్ట్ర ప్రభుత్వం గుర్తించి గృహ, వాణిజ్య, పారిశ్రామిక రంగాలకు 24x7 నిరంతరాయంగా సరసమైన ధరలకు విద్యుత్ ను అందించడానికి మరియు వ్యవసాయ రంగానికి పగటి పూట 9 గంటల నాణ్యమైన ఉచిత విద్యుత్ ను అందించడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.

దేశంలోనే అతి తక్కువ సరఫరా మరియు పంపిణీ నష్టాలు గల విద్యుత్ సంస్థలలో రాష్ట్ర విద్యుత్ సంస్థలు కూడా వున్నాయి. అయినప్పటికీ రూ.84,183 కోట్ల పైబడి అధిక స్థిర చార్జీ అప్పులు, రూ.29,928 కోట్ల పైబడి నష్టాలు మరియు ఇతర సవాళ్లతోనూ రాష్ట్ర విద్యుత్ సంస్థలు సతమతమవుతున్నాయి. ఈ ఆర్థిక దుస్థితి లో నుంచి విద్యుత్ సంస్థలను గట్టెక్కించడానికి రాష్ట్ర ప్రభుత్వం అన్ని చర్యలు తీసుకుంటుంది.

వివిధ ప్రభుత్వ ఉత్తర్వులలో ప్రకటించిన విధంగా వివిధ రంగాలకు సబ్సిడీ పై విద్యుత్ ను అందించడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.

విద్యుత్ కొనుగోలు వ్యయాన్ని తగ్గించడానికి, తక్కువ ఖరీదు పునరుత్పాదక విద్యుత్ ఉత్పత్తి సామర్థ్యం పెంచడానికి, విద్యుత్ ఎపిసీయన్సీ చర్యలు, వినియోగదారుడే కేంద్రంగా సేవలు అందించే విధంగా చర్యలు చేపట్టడానికి, మొత్తం సాంకేతిక, వాణిజ్య నష్టాలు తగ్గించడానికి, సరాసరి సరఫరా వ్యయానికి మరియు సరాసరి రెవెన్యూ రియలైజేషన్ కు గల అంతరాయాన్ని తగ్గించడానికి మరియు కేంద్ర రాష్ట్ర ప్రభుత్వ పథకాల అమలులో గుడ్ గవర్నెన్స్ సాధన చర్యలు చేపట్టడానికి రాష్ట్ర ప్రభుత్వం తగు చర్యలు తీసుకొంటోంది.

విద్యుత్ నియంత్రణ మండలి పారదర్శకంగా మరియు సరియైన విద్యుత్ కొనుగోలు వ్యయాన్ని నిర్ధారించే చర్యలకు, విద్యుత్ సంస్థల ఆర్థిక స్థిరత్వాన్ని మరియు వినియోగ దారుల సౌలభ్యాన్ని దృష్టి లో ఉంచుకొని, రాష్ట్ర ప్రభుత్వం మద్దతు తెలుపుతుంది.

వ్యవసాయ వినియోగదారులకు అందిచవలసిన విద్యుత్ లోడ్ సరిగా తెలుసుకోడానికి, 9 గంటల విద్యుత్ అందించడానికి అవసరమైన మౌలిక సదుపాయాలు కలుగచేయడానికి, వ్యవసాయదారులకు నాణ్యమైన విద్యుత్ అందించడానికి, రైతులకు విద్యుత్ పంపిణీ సంస్థలను నాణ్యమైన విద్యుత్ సరఫరా కోసం అడిగే హక్కు కలిగించడానికి, విద్యుత్ పంపిణీ సంస్థలు రైతులు జవాబుదారీగా నిలవడానికి రాష్ట్ర ప్రభుత్వం **యస్ . ఆర్ . ఉచిత వ్యవసాయ విద్యుత్ పథకాన్ని** ప్రారంభించి అందులో భాగంగా 2021/22 సంవత్సరం మొదలు వ్యవసాయ విద్యుత్ కనెక్షన్లన్నింటికీ విద్యుత్ మీటర్లు బిగించాలని నిర్ణయం తీసుకొంది . ఈ పథకాన్ని మొదటగా శ్రీకాకుళం జిల్లాలో ప్రారంభించి పూర్తి చేయడం జరిగింది. మిగిలిన జిల్లాలలో ఈ ప్రక్రియ ప్రారంభించడం జరుగుతుంది. దీనికయ్యే ఖర్చును మొత్తం ప్రభుత్వమే భరిస్తుంది.

అంతే కాకుండా విద్యుత్ నష్టాలను తగ్గించడానికి, విద్యుత్ వ్యవస్థను ఆధునీకరించడానికి ప్రీ పైడ్ మీటర్లను బిగించడానికి మరియు ఉద్యోగులకు అవసరమైన శిక్షణ, సామర్థ్య పెంపుదలకు కేంద్ర ప్రభుత్వం ప్రకటించిన డిస్ట్రిబ్యూషన్ సెక్టారు స్కీమ్ సుమారుగా **రూ 13404.53**

కోట్లతో అనుమతించారు. ఈ స్కీము ద్వారా స్మార్ట్ మీటరింగు మరియు మౌలిక సదుపాయాలను అభివృద్ధి పరచుట ద్వారా నష్టాలు తగ్గించుటకు ఉద్దేశించినారు.అనుమతుల కనుగుణంగా టెండర్ల ప్రక్రియ ప్రారంభించబడినది.

విద్యుత్ చట్టం, 2003 కు లోబడి వివిధ ప్రభుత్వ ఉత్తర్వులలో ప్రకటించిన విధముగా ఆయా రంగాల వినియోగదారులకు సబ్సిడీ పై విద్యుత్ అందించడానికి అవసరమైన నిధులు అందించడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.

ANNEXURE – 04 (A)

FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2023-24 – APSPDCL

S. No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	Apgenco-Thermal													
1	Dr. NTTPS	282.66	292.08	258.46	292.08	267.88	282.66	268.34	258.46	267.88	269.83	263.82	292.08	**3296.24**
2	Dr. NTTPS-IV	121.20	125.24	121.20	64.64	125.24	121.20	125.24	121.20	125.24	125.24	113.12	125.24	**1413.98**
3	Dr. NTTPS-V	186.61	192.83	186.62	192.83	192.83	186.61	192.83	186.61	192.83	192.83	174.17	192.83	**2270.42**
4	RTPP Stage-I	100.16	103.49	100.16	78.46	103.49	100.16	103.49	75.12	103.49	103.49	93.48	103.49	**1168.49**
5	RTPP Stage-II	100.16	103.49	100.16	103.49	103.49	100.16	103.49	100.16	78.46	78.46	93.48	103.49	**1168.49**
6	RTPP Stage-III	50.08	51.75	50.08	51.75	51.75	50.08	51.75	25.04	51.75	51.75	46.74	51.75	**584.24**
7	RTPP Stage-IV	148.19	153.13	148.19	153.13	54.34	148.19	153.13	148.19	153.13	153.13	143.25	153.13	**1709.12**
	AP Genco-Thermal Total	**989.05**	**1022.02**	**964.85**	**936.38**	**899.02**	**989.05**	**998.28**	**914.77**	**972.78**	**974.72**	**928.05**	**1022.02**	**11610.99**
	AP GENCO - Hydel													
8	Srisailam RCPH	13.36	3.54	1.57	12.75	101.02	77.21	74.49	23.40	9.33	17.34	24.52	18.73	**377.26**
9	NSRCPH	0.43	0.19	0.14	0.12	5.51	9.00	8.46	8.61	6.71	4.83	2.47	1.52	**47.98**
10	NSTPDC PH	0.40	0.40	0.40	1.60	3.20	5.20	5.20	6.41	6.41	3.60	1.60	1.60	**36.03**
11	Upper Sileru	19.84	11.82	9.76	12.04	12.89	13.10	15.90	14.79	13.46	18.22	19.49	24.96	**186.28**
12	Lower Sileru	38.51	27.42	24.18	36.94	38.23	35.82	36.40	33.56	37.02	37.27	39.93	44.28	**429.56**
13	Donkarayi	2.97	2.71	2.08	3.18	2.76	3.78	4.27	3.61	3.86	3.20	3.49	3.49	**39.40**
14	PABM	0.00	0.00	0.00	0.01	0.33	0.34	0.49	0.36	0.36	0.16	0.15	0.13	**2.34**
15	Mini Hydel (Chettipet)	0.05	0.00	0.03	0.15	0.12	0.13	0.03	0.02	0.11	0.16	0.11	0.15	**1.06**
	AP Genco Hydel Total	**75.56**	**46.08**	**38.17**	**66.79**	**164.08**	**144.58**	**145.24**	**90.76**	**77.27**	**84.77**	**91.76**	**94.86**	**1119.91**
	Inter State - Hydel													

S. No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
16	Machkund AP Share	10.73	11.44	9.55	10.85	11.12	9.58	9.54	9.21	9.77	10.56	9.89	9.81	**122.06**
17	TB Dam AP Share	1.15	0.18	0.02	2.05	7.42	7.53	7.08	6.43	3.89	5.08	3.90	3.45	**48.17**
	Inter State - Hydel Total	**11.89**	**11.62**	**9.57**	**12.91**	**18.54**	**17.11**	**16.62**	**15.64**	**13.67**	**15.64**	**13.79**	**13.26**	**170.24**
	APGENCO-TOTAL	**1076.50**	**1079.72**	**1012.59**	**1016.08**	**1081.63**	**1150.74**	**1160.14**	**1021.16**	**1063.71**	**1075.13**	**1033.60**	**1130.14**	**12901.14**
	CG Stations													
18	NTPC(SR) Ramagundam I & II	82.75	85.50	82.75	85.50	85.50	82.75	77.15	71.97	69.34	85.50	73.19	81.46	**963.36**
19	NTPC(SR) Simhadri Stage-I	120.09	124.19	120.09	124.19	124.19	120.09	124.19	78.13	96.22	124.19	112.25	124.19	**1391.99**
20	NTPC(SR) Simhadri Stage-II	55.70	57.60	40.82	44.63	57.60	55.70	57.60	55.70	57.60	57.60	52.07	57.60	**650.22**
21	NTPC(SR) Talcher Stage-II	45.87	47.15	33.43	40.72	40.04	40.07	47.12	45.37	46.94	47.05	44.29	47.26	**525.30**
22	NTPC(SR) Ramagundam III	19.39	20.03	19.39	20.03	20.03	19.39	20.03	19.39	20.03	4.13	14.12	20.03	**215.98**
23	NTPC Kudgi Stage-I	54.68	56.49	36.45	55.85	37.66	52.23	56.49	54.68	56.49	56.49	51.05	56.49	**625.03**
24	NTECL Vallur	23.85	24.65	23.85	18.68	18.39	23.85	24.65	23.85	23.29	24.65	22.25	24.65	**276.59**
25	NLC Stage-I	13.08	13.56	13.08	9.62	13.56	8.89	13.18	8.79	13.18	13.32	12.70	13.56	**146.54**
26	NLC Stage-II	23.01	23.65	17.80	23.65	18.53	23.01	18.53	22.65	17.76	21.15	22.29	23.78	**255.80**
27	NPC (MAPS)	1.68	1.77	1.68	0.00	1.15	1.68	1.77	1.68	1.77	1.77	1.63	1.77	**18.34**
28	NPC (KAIGA unit I,II,III,IV)	21.59	29.20	28.15	29.20	29.20	21.33	26.91	28.15	29.20	29.20	27.31	29.20	**328.61**
29	NTPL (NLC Tamil Nadu)	32.96	34.06	24.15	19.21	24.72	32.96	34.06	32.96	34.06	34.06	31.86	34.06	**369.09**
30	NLC NNTPS	13.45	13.95	13.45	13.72	13.72	13.27	7.86	6.39	7.86	10.44	12.95	13.77	**140.82**
31	KKNPP Unit-I	0.46	0.48	0.46	0.48	0.48	0.46	0.48	0.46	0.23	0.00	0.01	0.48	**4.46**
32	NLC TPS- I Expn.	0.53	0.55	0.53	0.55	0.55	0.36	0.28	0.48	0.52	0.53	0.50	0.53	**5.92**
33	NLC TPS- II Expn.	0.47	0.25	0.37	0.35	0.48	0.47	0.48	0.24	0.31	0.42	0.45	0.48	**4.76**

S. No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
34	JNNSM Ph-1 Thermal	10.25	10.58	8.36	10.18	9.00	9.91	10.24	9.79	9.92	9.90	9.27	10.42	**117.82**
	CGS TOTAL	**519.79**	**543.64**	**464.80**	**496.54**	**494.81**	**506.41**	**521.00**	**460.66**	**484.70**	**520.38**	**488.19**	**539.72**	**6040.64**
	NCE													
35	NCE- Others	3.03	6.00	6.00	7.29	9.90	12.40	14.18	7.57	8.18	8.23	7.21	4.77	**94.75**
36	NCE Solar	417.80	373.64	386.71	329.25	360.12	365.53	352.07	236.44	352.07	387.01	401.40	417.12	**4379.18**
37	NCE WIND	342.20	879.46	936.93	1186.81	1030.08	852.34	181.68	248.38	250.07	240.35	262.98	266.48	**6677.77**
38	JNNSM PH 1 SOLAR	4.12	5.17	2.52	2.14	0.88	2.71	2.25	1.76	1.16	4.85	5.74	5.88	**39.19**
39	JNNSM PH 2 SOLAR	209.64	284.31	231.21	224.20	141.46	227.41	208.88	222.42	107.99	297.06	223.43	305.63	**2683.64**
	NCE TOTAL	**976.79**	**1548.59**	**1563.37**	**1749.69**	**1542.44**	**1460.40**	**759.06**	**716.57**	**719.47**	**937.50**	**900.77**	**999.88**	**13874.53**
	Others													
40	APPDCL Stage-I	280.20	299.53	270.54	270.54	270.54	270.54	178.75	289.86	178.75	299.53	280.20	299.53	**3188.50**
41	APPDCL Stage-II	200.07	213.87	206.97	193.09	193.09	193.09	193.09	41.39	213.87	213.87	200.07	214.17	**2276.64**
42	Godavari Gas Power Plant	18.02	18.65	18.02	18.65	18.65	18.02	18.65	18.02	18.65	18.65	17.39	18.65	**219.98**
43	Thermal Powertech Corporation	67.13	69.37	67.13	69.37	69.37	67.13	69.37	39.34	55.47	69.37	64.89	69.37	**777.28**
44	SEIL	163.78	169.24	163.78	169.24	169.24	163.78	169.24	163.78	169.24	169.24	158.32	169.24	**1998.14**
45	HNPCL	253.84	262.61	251.18	259.56	216.49	192.48	252.32	242.41	258.80	259.56	242.79	259.56	**2951.60**
	Others TOTAL	**983.04**	**1033.26**	**977.61**	**980.45**	**937.38**	**905.04**	**881.42**	**794.80**	**894.77**	**1030.21**	**963.66**	**1030.51**	**11412.14**
	GRAND TOTAL	**3556.11**	**4205.21**	**4018.37**	**4242.76**	**4056.26**	**4022.59**	**3321.62**	**2993.19**	**3162.65**	**3563.22**	**3386.22**	**3700.26**	**44228.45**

ANNEXURE – 04 (B)

FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2023-24 – APCPDCL

S.No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	APGENCO-Thermal													
1	Dr. NTTPS	163.14	168.58	149.17	168.58	154.61	163.14	154.87	149.17	154.61	155.73	152.26	168.58	1902.43
2	Dr. NTTPS-IV	69.95	72.28	69.95	37.31	72.28	69.95	72.28	69.95	72.28	72.28	65.29	72.28	816.08
3	Dr. NTTPS-V	107.70	111.29	107.71	111.29	111.29	107.70	111.29	107.70	111.29	111.29	100.52	111.29	1310.38
4	RTPP Stage-I	57.81	59.73	57.81	45.28	59.73	57.81	59.73	43.35	59.73	59.73	53.95	59.73	674.39
5	RTPP Stage-II	57.81	59.73	57.81	59.73	59.73	57.81	59.73	57.81	45.28	45.28	53.95	59.73	674.39
6	RTPP Stage-III	28.90	29.87	28.90	29.87	29.87	28.90	29.87	14.45	29.87	29.87	26.98	29.87	337.20
7	RTPP Stage-IV	85.53	88.38	85.53	88.38	31.36	85.53	88.38	85.53	88.38	88.38	82.68	88.38	986.42
	AP Genco-Thermal Total	**570.83**	**589.86**	**556.87**	**540.43**	**518.87**	**570.83**	**576.16**	**527.96**	**561.44**	**562.56**	**535.63**	**589.86**	**6701.30**
	AP GENCO - Hydel													
8	Srisailam RCPH	7.71	2.04	0.91	7.36	58.30	44.56	42.99	13.51	5.39	10.01	14.15	10.81	217.74
9	NSRCPH	0.25	0.11	0.08	0.07	3.18	5.19	4.88	4.97	3.87	2.79	1.42	0.88	27.69
10	NSTPDC PH	0.23	0.23	0.23	0.92	1.85	3.00	3.00	3.70	3.70	2.08	0.92	0.92	20.80
11	Upper Sileru	11.45	6.82	5.63	6.95	7.44	7.56	9.18	8.53	7.77	10.51	11.25	14.41	107.51
12	Lower Sileru	22.22	15.83	13.96	21.32	22.06	20.67	21.01	19.37	21.37	21.51	23.04	25.55	247.92
13	Donkarayi	1.71	1.57	1.20	1.83	1.59	2.18	2.46	2.08	2.23	1.85	2.01	2.01	22.74
14	PABM	0.00	0.00	0.00	0.01	0.19	0.19	0.28	0.21	0.21	0.09	0.09	0.08	1.35
15	Mini hydel(Chettipet)	0.03	0.00	0.02	0.09	0.07	0.08	0.02	0.01	0.06	0.09	0.06	0.09	0.61
	AP Genco Hydel Total	**43.61**	**26.60**	**22.03**	**38.55**	**94.70**	**83.44**	**83.82**	**52.38**	**44.59**	**48.93**	**52.96**	**54.75**	**646.36**
	Inter State - Hydel													
16	Machkund AP Share	6.19	6.60	5.51	6.26	6.42	5.53	5.50	5.32	5.64	6.09	5.71	5.66	70.45
17	TB Dam AP Share	0.67	0.10	0.01	1.18	4.28	4.34	4.09	3.71	2.25	2.93	2.25	1.99	27.80
	Inter State - Hydel Total	**6.86**	**6.71**	**5.52**	**7.45**	**10.70**	**9.88**	**9.59**	**9.03**	**7.89**	**9.03**	**7.96**	**7.65**	**98.25**

S.No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	APGENCO-TOTAL	**621.30**	**623.16**	**584.42**	**586.43**	**624.27**	**664.15**	**669.57**	**589.36**	**613.92**	**620.51**	**596.55**	**652.26**	**7445.91**
	CG Stations													
18	NTPC(SR) Ramagundam I & II	47.76	49.35	47.76	49.35	49.35	47.76	44.53	41.54	40.02	49.35	42.24	47.02	556.00
19	NTPC(SR) Simhadri Stage-I	69.31	71.68	69.31	71.68	71.68	69.31	71.68	45.09	55.53	71.68	64.79	71.68	803.39
20	NTPC(SR) Simhadri Stage-II	32.15	33.24	23.56	25.76	33.24	32.15	33.24	32.15	33.24	33.24	30.05	33.24	375.28
21	NTPC(SR) Talcher Stage-II	26.47	27.21	19.29	23.50	23.11	23.13	27.19	26.18	27.09	27.15	25.56	27.28	303.17
22	NTPC(SR) Ramagundam III	11.19	11.56	11.19	11.56	11.56	11.19	11.56	11.19	11.56	2.38	8.15	11.56	124.65
23	NTPC Kudgi Stage-I	31.56	32.60	21.04	32.23	21.73	30.14	32.60	31.56	32.60	32.60	29.47	32.60	360.74
24	NTECL Vallur	13.76	14.22	13.76	10.78	10.61	13.76	14.22	13.76	13.44	14.22	12.84	14.22	159.64
25	NLC Stage-I	7.55	7.83	7.55	5.55	7.83	5.13	7.61	5.07	7.61	7.69	7.33	7.83	84.58
26	NLC Stage-II	13.28	13.65	10.27	13.65	10.69	13.28	10.69	13.07	10.25	12.21	12.86	13.73	147.64
27	NPC(MAPS)	0.97	1.02	0.97	0.00	0.66	0.97	1.02	0.97	1.02	1.02	0.94	1.02	10.59
28	NPC (KAIGA unit I,II,III,IV)	12.46	16.85	16.24	16.85	16.85	12.31	15.53	16.24	16.85	16.85	15.76	16.85	189.66
29	NTPL (NLC TamilNadu)	19.02	19.66	13.94	11.09	14.27	19.02	19.66	19.02	19.66	19.66	18.39	19.66	213.02
30	NLC NNTPS	7.76	8.05	7.76	7.92	7.92	7.66	4.53	3.69	4.53	6.02	7.47	7.95	81.28
31	KKNPP Unit-I	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.13	0.00	0.00	0.27	2.57
32	NLC TPS- I Expn.	0.31	0.32	0.31	0.32	0.32	0.21	0.16	0.28	0.30	0.31	0.29	0.31	3.41
33	NLC TPS- II Expn.	0.27	0.14	0.21	0.20	0.28	0.27	0.28	0.14	0.18	0.24	0.26	0.28	2.75
34	JNNSM Ph-1 Thermal	5.91	6.11	4.83	5.88	5.20	5.72	5.91	5.65	5.72	5.71	5.35	6.01	68.00
	CGS TOTAL	**300.00**	**313.76**	**268.26**	**286.58**	**285.58**	**292.28**	**300.70**	**265.87**	**279.74**	**300.34**	**281.76**	**311.50**	**3486.36**
	NCE - Others													
35	NCE - Others	11.35	11.45	8.14	10.16	11.11	11.10	10.12	8.52	10.36	12.98	11.62	9.24	126.15
36	NCE Solar	3.77	3.51	3.23	2.74	3.09	3.43	3.02	1.91	3.18	3.22	3.59	3.79	38.49
37	NCE WIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

S.No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	**May-23**	**Jun-23**	**Jul-23**	**Aug-23**	**Sep-23**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Total**
38	JNNSM PH 1 SOLAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	JNNSM PH 2 SOLAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NCE TOTAL	**15.12**	**14.96**	**11.38**	**12.90**	**14.20**	**14.52**	**13.14**	**10.44**	**13.54**	**16.20**	**15.20**	**13.03**	**164.64**
	Others													
40	APPDCL Stage-I	161.72	172.87	156.14	156.14	156.14	156.14	103.17	167.30	103.17	172.87	161.72	172.87	1840.25
41	APPDCL Stage-II	115.47	123.43	119.45	111.44	111.44	111.44	111.44	23.89	123.43	123.43	115.47	123.61	1313.96
42	Godavari Gas Power Plant	10.40	10.76	10.40	10.76	10.76	10.40	10.76	10.40	10.76	10.76	10.03	10.76	126.96
43	Thermal Powertech Corporation	38.74	40.03	38.74	40.03	40.03	38.74	40.03	22.70	32.01	40.03	37.45	40.03	448.61
44	SEIL	94.53	97.68	94.53	97.68	97.68	94.53	97.68	94.53	97.68	97.68	91.38	97.68	1153.23
45	HNPCL	146.51	151.57	144.97	149.81	124.95	111.09	145.63	139.91	149.37	149.81	140.13	149.81	1703.52
	Others TOTAL	**567.36**	**596.35**	**564.23**	**565.87**	**541.01**	**522.34**	**508.71**	**458.72**	**516.42**	**594.59**	**556.18**	**594.76**	**6586.53**
	GRAND TOTAL	**1503.78**	**1548.24**	**1428.28**	**1451.78**	**1465.05**	**1493.30**	**1492.12**	**1324.39**	**1423.62**	**1531.64**	**1449.68**	**1571.56**	**17683.44**

ANNEXURE – 04 (C)

FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2023-24 – APEPDCL

S.No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	Apgenco-Thermal													
1	Dr. NTTPS	253.17	261.60	231.49	261.60	239.93	253.17	240.34	231.49	239.93	241.67	236.29	261.60	2952.27
2	Dr. NTTPS-IV	108.55	112.17	108.55	57.89	112.17	108.55	112.17	108.55	112.17	112.17	101.31	112.17	1266.43
3	Dr. NTTPS-V	167.14	172.71	167.14	172.71	172.71	167.14	172.71	167.14	172.71	172.71	155.99	172.71	2033.50
4	RTPP Stage-I	89.70	92.69	89.70	70.27	92.69	89.70	92.69	67.28	92.69	92.69	83.72	92.69	1046.55
5	RTPP Stage-II	89.70	92.69	89.70	92.69	92.69	89.70	92.69	89.70	70.27	70.27	83.72	92.69	1046.55
6	RTPP Stage-III	44.85	46.35	44.85	46.35	46.35	44.85	46.35	22.43	46.35	46.35	41.86	46.35	523.28
7	RTPP Stage-IV	132.73	137.15	132.73	137.15	48.67	132.73	137.15	132.73	137.15	137.15	128.30	137.15	1530.77
	AP Genco-Thermal Total	**885.84**	**915.37**	**864.17**	**838.67**	**805.21**	**885.84**	**894.11**	**819.31**	**871.26**	**873.01**	**831.21**	**915.37**	**10399.36**
	AP GENCO - Hydel													
8	Srisailam RCPH	11.96	3.17	1.41	11.42	90.48	69.16	66.72	20.96	8.36	15.53	21.96	16.78	337.90
9	NSRCPH	0.39	0.17	0.13	0.11	4.94	8.06	7.57	7.71	6.01	4.33	2.21	1.36	42.97
10	NSTPDC PH	0.36	0.36	0.36	1.43	2.87	4.66	4.66	5.74	5.74	3.23	1.43	1.43	32.27
11	Upper Sileru	17.77	10.59	8.74	10.78	11.55	11.74	14.24	13.24	12.06	16.31	17.46	22.36	166.84
12	Lower Sileru	34.49	24.56	21.66	33.09	34.24	32.08	32.60	30.06	33.16	33.38	35.76	39.66	384.73
13	Donkarayi	2.66	2.43	1.86	2.84	2.47	3.38	3.82	3.23	3.46	2.87	3.13	3.12	35.29
14	PABM	0.00	0.00	0.00	0.01	0.30	0.30	0.44	0.32	0.32	0.14	0.14	0.12	2.10
15	Minihydel (Chettipet)	0.05	0.00	0.03	0.14	0.11	0.12	0.03	0.02	0.10	0.14	0.10	0.13	0.95
	AP Genco Hydel Total	67.67	41.27	34.19	59.82	146.95	129.49	130.08	81.29	69.20	75.92	82.19	84.96	**1003.05**
	Inter State - Hydel													
16	Machkund AP Share	9.61	10.25	8.55	9.72	9.96	8.58	8.54	8.25	8.75	9.46	8.86	8.79	109.32
17	TB Dam AP Share	1.03	0.16	0.02	1.84	6.64	6.74	6.34	5.76	3.49	4.55	3.49	3.09	43.15
	Inter State - Hydel Total	**10.65**	**10.41**	**8.57**	**11.56**	**16.60**	**15.32**	**14.89**	**14.01**	**12.24**	**14.01**	**12.35**	**11.88**	**152.47**

S.No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	APGENCO-TOTAL	**964.16**	**967.05**	**906.93**	**910.05**	**968.76**	**1030.66**	**1039.07**	**914.60**	**952.71**	**962.94**	**925.75**	**1012.21**	**11554.88**
	CG Stations													
18	NTPC(SR) Ramagundam I & II	74.11	76.58	74.11	76.58	76.58	74.11	69.10	64.46	62.10	76.58	65.55	72.96	862.83
19	NTPC(SR) Simhadri Stage-I	107.55	111.23	107.55	111.23	111.23	107.55	111.23	69.98	86.18	111.23	100.54	111.23	1246.73
20	NTPC(SR) Simhadri Stage-II	49.89	51.59	36.56	39.97	51.59	49.89	51.59	49.89	51.59	51.59	46.63	51.59	582.37
21	NTPC(SR) Talcher Stage-II	41.08	42.23	29.94	36.47	35.86	35.89	42.20	40.63	42.04	42.14	39.67	42.33	470.48
22	NTPC(SR) Ramagundam III	17.36	17.94	17.36	17.94	17.94	17.36	17.94	17.36	17.94	3.70	12.64	17.94	193.44
23	NTPC Kudgi Stage-I	48.97	50.59	32.65	50.02	33.73	46.78	50.59	48.97	50.59	50.59	45.73	50.59	559.81
24	NTECL Vallur	21.36	22.07	21.36	16.73	16.47	21.36	22.07	21.36	20.86	22.07	19.93	22.07	247.73
25	NLC Stage-I	11.71	12.15	11.71	8.62	12.15	7.96	11.81	7.87	11.81	11.93	11.37	12.15	131.25
26	NLC Stage-II	20.61	21.18	15.94	21.18	16.59	20.61	16.59	20.29	15.90	18.95	19.96	21.30	229.11
27	NPC(MAPS)	1.51	1.58	1.51	0.00	1.03	1.51	1.58	1.51	1.58	1.58	1.46	1.58	16.43
28	NPC(KAIGA unit I,II,III,IV)	19.34	26.15	25.21	26.15	26.15	19.11	24.10	25.21	26.15	26.15	24.46	26.15	294.32
29	NTPL(NLC TamilNadu)	29.52	30.50	21.63	17.20	22.14	29.52	30.50	29.52	30.50	30.50	28.53	30.50	330.58
30	NLC NNTPS	12.05	12.50	12.05	12.29	12.29	11.88	7.04	5.73	7.04	9.35	11.60	12.33	126.13
31	KKNPP Unit-I	0.41	0.43	0.41	0.43	0.43	0.41	0.43	0.41	0.21	0.00	0.01	0.43	3.99
32	NLC TPS- I Expn.	0.48	0.49	0.48	0.49	0.49	0.33	0.25	0.43	0.47	0.48	0.45	0.48	5.30
33	NLC TPS- II Expn.	0.42	0.22	0.33	0.31	0.43	0.42	0.43	0.21	0.28	0.37	0.40	0.43	4.27
34	JNNSM Ph-1 Thermal	9.18	9.48	7.49	9.12	8.06	8.87	9.17	8.77	8.88	8.87	8.30	9.33	105.52
	CGS TOTAL	**465.55**	**486.91**	**416.29**	**444.73**	**443.17**	**453.57**	**466.64**	**412.59**	**434.12**	**466.08**	**437.24**	**483.40**	**5410.29**
	NCE													
35	NCE- Others	11.43	8.82	8.41	9.21	11.64	12.12	13.33	12.39	13.13	12.60	10.73	7.57	131.39
36	NCE Solar	1.42	1.45	1.28	1.11	1.14	1.10	1.04	0.89	1.05	1.11	1.12	1.14	13.86
37	NCE WIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	JNNSM PH 1 SOLAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

S.No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
39	JNNSM PH 2 SOLAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NCE TOTAL	**12.86**	**10.27**	**9.69**	**10.33**	**12.78**	**13.22**	**14.37**	**13.28**	**14.18**	**13.71**	**11.85**	**8.70**	**145.25**
	Others													
40	APPDCL Stage-I	250.96	268.27	242.31	242.31	242.31	242.31	160.10	259.62	160.10	268.27	250.96	268.27	2855.77
41	APPDCL Stage-II	179.19	191.55	185.37	172.94	172.94	172.94	172.94	37.07	191.55	191.55	179.19	191.82	2039.06
42	Godavari Gas Power Plant	16.14	16.70	16.14	16.70	16.70	16.14	16.70	16.14	16.70	16.70	15.57	16.70	197.02
43	Thermal Powertech Corporation	60.12	62.13	60.12	62.13	62.13	60.12	62.13	35.23	49.68	62.13	58.12	62.13	696.17
44	SEIL	146.69	151.58	146.69	151.58	151.58	146.69	151.58	146.69	151.58	151.58	141.80	151.58	1789.63
45	HNPCL	227.35	235.21	224.97	232.48	193.90	172.39	225.99	217.11	231.79	232.48	217.46	232.48	2643.60
	Others TOTAL	**880.46**	**925.43**	**875.59**	**878.14**	**839.56**	**810.60**	**789.44**	**711.86**	**801.40**	**922.70**	**863.10**	**922.98**	**10221.26**
	GRAND TOTAL	**2323.02**	**2389.67**	**2208.51**	**2243.24**	**2264.28**	**2308.04**	**2309.52**	**2052.33**	**2202.41**	**2365.43**	**2237.94**	**2427.29**	**27331.67**

ANNEXURE – 04 (D)

FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2023-24 – DISCOMS (TOTAL)

S.No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	APGENCO - Thermal													
1	Dr. NTTPS	698.97	722.27	639.11	722.27	662.41	698.97	663.56	639.11	662.41	667.23	652.37	722.27	8150.95
2	Dr. NTTPS-IV	299.70	309.69	299.70	159.84	309.69	299.70	309.69	299.70	309.69	309.69	279.72	309.69	3496.50
3	Dr. NTTPS-V	461.45	476.83	461.47	476.83	476.83	461.45	476.83	461.45	476.83	476.83	430.68	476.83	5614.30
4	RTPP Stage-I	247.67	255.92	247.67	194.00	255.92	247.67	255.92	185.75	255.92	255.92	231.15	255.92	2889.43
5	RTPP Stage-II	247.67	255.92	247.67	255.92	255.92	247.67	255.92	247.67	194.00	194.00	231.15	255.92	2889.43
6	RTPP Stage-III	123.83	127.96	123.83	127.96	127.96	123.83	127.96	61.92	127.96	127.96	115.58	127.96	1444.72
7	RTPP Stage-IV	366.44	378.66	366.44	378.66	134.36	366.44	378.66	366.44	378.66	378.66	354.23	378.66	4226.32
	AP Genco-Thermal Total	**2445.72**	**2527.25**	**2385.89**	**2315.48**	**2223.10**	**2445.72**	**2468.54**	**2262.04**	**2405.48**	**2410.29**	**2294.89**	**2527.25**	**28711.65**
	AP GENCO - Hydel													
8	Srisailam RCPH	33.03	8.75	3.89	31.53	249.80	190.93	184.20	57.87	23.07	42.87	60.63	46.32	932.90
9	NSRCPH	1.06	0.46	0.35	0.30	13.64	22.24	20.91	21.29	16.60	11.94	6.10	3.76	118.65
10	NSTPDC PH	0.99	0.99	0.99	3.96	7.92	12.87	12.87	15.84	15.84	8.91	3.96	3.96	89.10
11	Upper Sileru	49.06	29.24	24.14	29.76	31.88	32.40	39.32	36.56	33.28	45.04	48.20	61.72	460.63
12	Lower Sileru	95.22	67.81	59.80	91.35	94.53	88.57	90.01	83.00	91.54	92.16	98.73	109.49	1062.21
13	Donkarayi	7.35	6.71	5.15	7.85	6.83	9.34	10.56	8.92	9.56	7.91	8.63	8.63	97.43
14	PABM	0.00	0.00	0.00	0.03	0.83	0.83	1.20	0.89	0.89	0.40	0.38	0.33	5.79
15	Mini Hydel(Chettipet)	0.13	0.00	0.07	0.38	0.30	0.33	0.07	0.05	0.28	0.39	0.28	0.37	2.62
	AP Genco Hydel Total	**186.84**	**113.95**	**94.39**	**165.16**	**405.73**	**357.52**	**359.15**	**224.42**	**191.06**	**209.62**	**226.91**	**234.57**	**2769.32**
	Inter State - Hydel													
16	Machkund AP Share	26.54	28.30	23.61	26.84	27.49	23.70	23.58	22.78	24.17	26.11	24.46	24.26	301.83
17	TB Dam AP Share	2.85	0.44	0.05	5.07	18.34	18.61	17.52	15.89	9.63	12.56	9.63	8.53	119.12
	Inter State - Hydel Total	29.39	28.73	23.65	31.91	45.84	42.31	41.10	38.67	33.79	38.67	34.10	32.79	420.96

S.No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	APGENCO-TOTAL	**2661.96**	**2669.93**	**2503.93**	**2512.56**	**2674.66**	**2845.55**	**2868.79**	**2525.13**	**2630.34**	**2658.58**	**2555.90**	**2794.60**	**31901.93**
	CG Stations													
18	NTPC(SR) Ramagundam I & II	204.61	211.43	204.61	211.43	211.43	204.61	190.78	177.96	171.46	211.43	180.98	201.44	2382.19
19	NTPC(SR) Simhadri Stage-I	296.95	307.09	296.95	307.09	307.09	296.95	307.09	193.20	237.93	307.09	277.58	307.09	3442.11
20	NTPC(SR) Simhadri Stage-II	137.73	142.44	100.95	110.36	142.44	137.73	142.44	137.73	142.44	142.44	128.75	142.44	1607.87
21	NTPC(SR) Talcher Stage-II	113.42	116.60	82.65	100.69	99.01	99.10	116.51	112.18	116.07	116.33	109.53	116.86	1298.95
22	NTPC(SR) Ramagundam III	47.94	49.54	47.94	49.54	49.54	47.94	49.54	47.94	49.54	10.20	34.91	49.54	534.07
23	NTPC Kudgi Stage-I	135.20	139.68	90.14	138.10	93.12	129.14	139.68	135.20	139.68	139.68	126.24	139.68	1545.58
24	NTECL Vallur	58.97	60.95	58.97	46.19	45.47	58.97	60.95	58.97	57.60	60.95	55.03	60.95	683.96
25	NLC Stage-I	32.34	33.54	32.34	23.79	33.54	21.99	32.60	21.73	32.60	32.94	31.40	33.54	362.36
26	NLC Stage-II	56.90	58.47	44.02	58.47	45.81	56.90	45.81	56.01	43.91	52.31	55.11	58.81	632.55
27	NPC(MAPS)	4.16	4.37	4.16	0.00	2.84	4.16	4.37	4.16	4.37	4.37	4.04	4.37	45.36
28	NPC(KAIGA unit I,II,III,IV)	53.39	72.20	69.60	72.20	72.20	52.76	66.54	69.60	72.20	72.20	67.52	72.20	812.58
29	NTPL(NLC TamilNadu)	81.50	84.21	59.72	47.50	61.13	81.50	84.21	81.50	84.21	84.21	78.78	84.21	912.70
30	NLC NNTPS	33.26	34.50	33.26	33.94	33.94	32.81	19.42	15.81	19.42	25.81	32.02	34.05	348.23
31	KKNPP Unit-I	1.14	1.18	1.14	1.18	1.18	1.14	1.18	1.14	0.57	0.00	0.02	1.18	11.02
32	NLC TPS- I Expn.	1.32	1.35	1.32	1.36	1.35	0.90	0.70	1.18	1.29	1.32	1.23	1.32	14.63
33	NLC TPS- II Expn.	1.16	0.61	0.91	0.86	1.20	1.16	1.20	0.58	0.76	1.03	1.12	1.19	11.78
34	JNNSM Ph-1 Thermal	25.34	26.17	20.68	25.17	22.26	24.50	25.32	24.22	24.52	24.48	22.93	25.76	291.34
	CGS TOTAL	**1285.33**	**1344.32**	**1149.35**	**1227.85**	**1223.56**	**1252.26**	**1288.34**	**1139.12**	**1198.56**	**1286.79**	**1207.19**	**1334.63**	**14937.29**
	NCE													
35	NCE- Others	25.81	26.27	22.55	26.66	32.64	35.61	37.63	28.48	31.67	33.81	29.56	21.59	352.29
36	NCE Solar	423.00	378.61	391.22	333.11	364.36	370.05	356.13	239.25	356.30	391.34	406.10	422.05	4431.52
37	NCE WIND	342.20	879.46	936.93	1186.81	1030.08	852.34	181.68	248.38	250.07	240.35	262.98	266.48	6677.77
38	JNNSM PH 1 SOLAR	4.12	5.17	2.52	2.14	0.88	2.71	2.25	1.76	1.16	4.85	5.74	5.88	39.19

S.No.	Generating Station	Gross Energy Availability (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
39	JNNSM PH 2 SOLAR	209.64	284.31	231.21	224.20	141.46	227.41	208.88	222.42	107.99	297.06	223.43	305.63	2683.64
	NCE TOTAL	**1004.76**	**1573.83**	**1584.44**	**1772.92**	**1569.42**	**1488.14**	**786.57**	**740.28**	**747.19**	**967.41**	**927.82**	**1021.62**	**14184.42**
	Others													
40	APPDCL Stage-I	692.88	740.67	668.99	668.99	668.99	668.99	442.01	716.77	442.01	740.67	692.88	740.67	7884.52
41	APPDCL Stage-II	494.73	528.85	511.79	477.48	477.48	477.48	477.48	102.36	528.85	528.85	494.73	529.60	5629.66
42	Godavari Gas Power Plant	44.55	46.11	44.55	46.11	46.11	44.55	46.11	44.55	46.11	46.11	42.99	46.11	543.96
43	Thermal Powertech Corporation	166.00	171.53	166.00	171.53	171.53	166.00	171.53	97.27	137.17	171.53	160.46	171.53	1922.06
44	SEIL	405.00	418.50	405.00	418.50	418.50	405.00	418.50	405.00	418.50	418.50	391.50	418.50	4941.00
45	HNPCL	627.71	649.38	621.11	641.84	535.34	475.96	623.94	599.43	639.96	641.84	600.37	641.84	7298.72
	Others TOTAL	**2430.86**	**2555.04**	**2417.43**	**2424.45**	**2317.95**	**2237.98**	**2179.57**	**1965.38**	**2212.59**	**2547.50**	**2382.94**	**2548.25**	**28219.93**
	GRAND TOTAL	**7382.91**	**8143.12**	**7655.16**	**7937.78**	**7785.59**	**7823.93**	**7123.26**	**6369.91**	**6788.68**	**7460.28**	**7073.84**	**7699.10**	**89243.56**

ANNEXURE – 05 (A)

APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2023-24 – APSPDCL

Gross Energy Availability (MU) at Ex-BUS													
S. No.	**Generating Station / Stage**	**Apr 23**	**May 23**	**Jun 23**	**Jul 23**	**Aug 23**	**Sep 23**	**Oct 23**	**Nov 23**	**Dec 23**	**Jan 24**	**Feb 24**	**Mar 24**	**FY TOTAL**
	APGenco-Thermal													
1	Dr. NTTPS	260.43	269.73	260.43	269.73	223.23	236.98	223.23	236.98	269.73	269.73	251.13	269.73	3041.09
2	Dr. NTTPS-IV	112.02	115.66	112.02	115.66	115.66	112.02	115.66	55.81	115.66	115.66	107.97	115.66	1309.45
3	Dr. NTTPS-V	0.00	0.00	0.00	0.00	0.00	187.64	187.64	187.64	187.64	187.64	187.64	187.64	1313.49
4	RTPP Stage-I	75.22	78.05	75.22	55.00	78.05	75.22	55.00	75.22	78.05	78.05	71.98	78.05	873.10
5	RTPP Stage-II	88.85	91.95	88.85	91.95	91.95	88.85	91.95	65.64	68.74	91.95	85.76	91.95	1038.38
6	RTPP Stage-III	42.70	44.25	42.70	44.25	44.25	19.49	44.25	42.70	44.25	44.25	41.15	44.25	498.49
7	RTPP Stage-IV	121.46	126.29	121.46	126.29	126.29	121.46	29.69	121.46	126.29	126.29	116.63	126.29	1389.93
	AP Genco-Thermal Total	**700.69**	**725.93**	**700.69**	**702.88**	**679.42**	**841.67**	**747.41**	**785.45**	**890.36**	**913.57**	**862.28**	**913.57**	**9463.92**
	AP GENCO - Hydel													
8	Srisailam RCPH	17.41	7.59	5.63	16.81	105.07	81.27	78.54	27.46	13.38	21.39	28.57	22.79	425.91
9	NSRCPH	0.43	0.19	0.14	0.12	5.52	8.99	8.46	8.61	6.71	4.83	2.47	1.52	47.98
10	NSTPDC PH	0.40	0.40	0.40	1.60	3.20	5.20	5.20	6.41	6.41	3.60	1.60	1.60	36.03
11	Upper Sileru	23.89	15.88	13.82	16.09	16.95	17.16	19.96	18.84	17.51	22.27	23.55	29.01	234.92
12	Lower Sileru	42.56	31.48	28.24	41.00	42.28	39.87	40.45	37.62	41.07	41.32	43.98	48.33	478.21
13	Donkarayi	2.97	2.71	2.08	3.17	2.76	3.78	4.27	3.61	3.87	3.20	3.49	3.49	39.40
14	PABM	0.00	0.00	0.00	0.01	0.34	0.34	0.49	0.36	0.36	0.16	0.15	0.13	2.34
15	Minihydel(Chettipet)	0.05	0.00	0.03	0.15	0.12	0.13	0.03	0.02	0.11	0.16	0.11	0.15	1.07
	AP Genco Hydel Total	**87.72**	**58.25**	**50.33**	**78.95**	**176.24**	**156.74**	**157.40**	**102.92**	**89.43**	**96.93**	**103.93**	**107.03**	**1265.87**
	Inter State - Hydel													
16	Machkund AP Share	12.03	12.75	10.85	12.16	12.42	10.89	10.84	10.51	11.08	11.86	11.19	11.11	137.68
17	TB Dam AP Share	1.15	0.18	0.02	4.28	9.65	9.76	9.32	8.66	6.13	7.31	3.89	3.45	63.79
	Inter State - Hydel Total	**13.19**	**12.92**	**10.87**	**16.44**	**22.07**	**20.64**	**20.15**	**19.17**	**17.20**	**19.17**	**15.09**	**14.56**	**201.47**
	APGENCO-TOTAL	**801.59**	**797.10**	**761.89**	**798.27**	**877.73**	**1019.05**	**924.97**	**907.54**	**996.99**	**1029.68**	**981.29**	**1035.16**	**10931.26**
	CG Stations													
18	NTPC(SR) Ramagundam I & II	82.74	85.50	82.74	85.50	85.50	82.74	77.15	71.97	69.34	85.50	73.19	81.46	963.35
19	NTPC(SR) Simhadri Stage-I	120.09	124.19	120.09	124.19	124.19	120.09	124.19	78.13	96.22	124.19	112.25	124.19	1391.99
20	NTPC(SR) Simhadri Stage-II	55.70	57.60	40.82	44.63	57.60	55.70	57.60	55.70	57.60	57.60	52.07	57.60	650.23
21	NTPC(SR) Talcher Stage-II	45.87	47.15	33.42	40.72	40.04	40.08	47.12	45.37	46.94	47.04	44.29	47.26	525.30
22	NTPC(SR) Ramagundam III	19.39	20.03	19.39	20.03	20.03	19.39	20.03	19.39	20.03	4.12	14.12	20.03	215.99

Gross Energy Availability (MU) at Ex-BUS													
S. No.	**Generating Station / Stage**	**Apr 23**	**May 23**	**Jun 23**	**Jul 23**	**Aug 23**	**Sep 23**	**Oct 23**	**Nov 23**	**Dec 23**	**Jan 24**	**Feb 24**	**Mar 24**	**FY TOTAL**
23	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	NLC Stage-I	13.08	13.56	13.08	9.62	13.56	8.89	13.18	8.79	13.18	13.32	12.70	13.56	146.53
26	NLC Stage-II	23.01	23.65	17.80	23.65	18.53	23.01	18.53	22.65	17.76	21.15	22.29	23.78	255.80
27	NPC(MAPS)	1.68	1.77	1.68	0.00	1.15	1.68	1.77	1.68	1.77	1.77	1.63	1.77	18.35
28	NPC(KAIGA unit I,II,III,IV)	21.59	29.20	28.15	29.20	29.20	21.34	26.91	28.15	29.20	29.20	27.31	29.20	328.62
29	NTPL(NLC TamilNadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	KKNPP Unit-I	0.46	0.48	0.46	0.48	0.48	0.46	0.48	0.46	0.23	0.00	0.01	0.48	4.47
32	NLC TPS- I Expn.	0.53	0.55	0.53	0.55	0.55	0.36	0.28	0.48	0.52	0.53	0.50	0.53	5.92
33	NLC TPS- II Expn.	0.47	0.25	0.37	0.35	0.49	0.47	0.49	0.23	0.31	0.42	0.45	0.48	4.76
34	JNNSM Ph-1 Thermal	10.25	10.58	8.36	10.18	9.00	9.91	10.24	9.79	9.92	9.90	9.27	10.42	117.82
	CGS TOTAL	**394.86**	**414.51**	**366.90**	**389.09**	**400.31**	**384.12**	**397.96**	**342.78**	**363.01**	**394.75**	**370.07**	**410.77**	**4629.13**
	NCE													
35	NCE- Others	10.44	10.62	9.12	10.78	13.20	14.40	15.22	11.52	12.81	13.67	11.95	8.73	**142.46**
36	NCE Solar	171.06	153.11	158.21	134.71	147.35	149.65	144.02	96.75	144.09	158.26	164.23	170.68	**1792.11**
37	NCE WIND	138.39	355.65	378.89	479.95	416.56	344.69	73.47	100.44	101.13	97.20	106.35	107.76	**2700.49**
38	JNNSM PH 1 SOLAR	1.67	2.09	1.02	0.87	0.36	1.10	0.91	0.71	0.47	1.96	2.32	2.38	**15.84**
39	JNNSM PH 2 SOLAR	84.78	114.97	93.50	90.67	57.21	91.96	84.47	89.95	43.67	120.13	90.36	123.60	**1085.26**
	NCE TOTAL	**406.33**	**636.45**	**640.74**	**716.97**	**634.67**	**601.80**	**318.09**	**299.37**	**302.16**	**391.22**	**375.21**	**413.15**	**5736.16**
	Others													
40	APPDCL Stage-I	280.20	299.53	270.54	270.54	270.54	270.54	178.75	289.86	178.75	299.53	280.20	299.53	3188.50
41	APPDCL Stage-II	0.00	0.00	206.97	193.09	193.09	193.09	193.09	41.39	213.87	213.87	200.07	214.17	1862.71
42	Godavari Gas Power Plant	18.02	18.65	18.02	18.65	18.65	18.02	18.65	18.02	18.65	18.65	17.39	18.65	219.98
43	Thermal Powertech Corporation (SEIL P1)	57.70	57.70	57.70	57.70	57.70	57.70	57.70	57.70	57.70	57.70	57.70	57.70	692.35
44	SEIL P 2	151.66	151.66	151.66	151.66	151.66	151.66	151.66	72.53	151.66	151.66	151.66	151.66	1740.82
45	HNPCL	228.46	236.35	226.06	233.60	194.84	173.23	227.09	218.17	232.92	233.60	218.51	233.60	2656.44
	Others TOTAL	**736.04**	**763.88**	**930.94**	**925.24**	**886.48**	**864.24**	**826.94**	**697.67**	**853.54**	**975.00**	**925.52**	**975.31**	**10360.79**
	GRAND TOTAL	**2338.82**	**2611.94**	**2700.47**	**2829.57**	**2799.19**	**2869.20**	**2467.95**	**2247.37**	**2515.71**	**2790.65**	**2652.09**	**2834.38**	**31657.35**

ANNEXURE – 05 (B)

APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2023-24 – APCPDCL

Gross Energy Availability (MU) at Ex-BUS														
S. No.	**Generating Station / Stage**	**Apr 23**	**May 23**	**Jun 23**	**Jul 23**	**Aug 23**	**Sep 23**	**Oct 23**	**Nov 23**	**Dec 23**	**Jan 24**	**Feb 24**	**Mar 24**	**FY TOTAL**
	APGenco-Thermal													
1	Dr. NTTPS	150.31	155.68	150.31	155.68	128.84	136.77	128.84	136.77	155.68	155.68	144.94	155.68	1755.17
2	Dr. NTTPS-IV	64.65	66.75	64.65	66.75	66.75	64.65	66.75	32.21	66.75	66.75	62.32	66.75	755.75
3	Dr. NTTPS-V	0.00	0.00	0.00	0.00	0.00	108.30	108.30	108.30	108.30	108.30	108.30	108.30	758.08
4	RTPP Stage-I	43.41	45.05	43.41	31.74	45.05	43.41	31.74	43.41	45.05	45.05	41.55	45.05	503.91
5	RTPP Stage-II	51.28	53.07	51.28	53.07	53.07	51.28	53.07	37.89	39.67	53.07	49.50	53.07	599.30
6	RTPP Stage-III	24.64	25.54	24.64	25.54	25.54	11.25	25.54	24.64	25.54	25.54	23.75	25.54	287.70
7	RTPP Stage-IV	70.10	72.89	70.10	72.89	72.89	70.10	17.14	70.10	72.89	72.89	67.31	72.89	802.20
	AP Genco-Thermal Total	**404.40**	**418.97**	**404.40**	**405.67**	**392.13**	**485.77**	**431.37**	**453.33**	**513.87**	**527.27**	**497.66**	**527.27**	**5462.12**
	AP GENCO - Hydel													
8	Srisailam RCPH	10.05	4.38	3.25	9.70	60.64	46.90	45.33	15.85	7.72	12.35	16.49	13.15	245.82
9	NSRCPH	0.25	0.11	0.08	0.07	3.18	5.19	4.88	4.97	3.87	2.79	1.42	0.88	27.69
10	NSTPDC PH	0.23	0.23	0.23	0.92	1.85	3.00	3.00	3.70	3.70	2.08	0.92	0.92	20.80
11	Upper Sileru	13.79	9.16	7.97	9.29	9.78	9.90	11.52	10.87	10.11	12.85	13.59	16.75	135.58
12	Lower Sileru	24.56	18.17	16.30	23.66	24.40	23.01	23.35	21.71	23.71	23.85	25.38	27.89	276.00
13	Donkarayi	1.72	1.57	1.20	1.83	1.59	2.18	2.46	2.08	2.23	1.85	2.01	2.01	22.74
14	PABM	0.00	0.00	0.00	0.01	0.19	0.19	0.28	0.21	0.21	0.09	0.09	0.08	1.35
15	Minihydel (Chettipet)	0.03	0.00	0.02	0.09	0.07	0.08	0.02	0.01	0.07	0.09	0.07	0.09	0.62
	AP Genco Hydel Total	**50.63**	**33.62**	**29.05**	**45.57**	**101.72**	**90.46**	**90.84**	**59.40**	**51.61**	**55.95**	**59.98**	**61.77**	**730.60**
	Inter State - Hydel													
16	Machkund AP Share	6.95	7.36	6.26	7.02	7.17	6.28	6.25	6.07	6.39	6.85	6.46	6.41	79.46
17	TB Dam AP Share	0.67	0.10	0.01	2.47	5.57	5.63	5.38	5.00	3.54	4.22	2.25	1.99	36.82
	Inter State - Hydel Total	7.61	7.46	6.27	9.49	12.74	11.91	11.63	11.06	9.93	11.06	8.71	8.40	116.28
	APGENCO-TOTAL	**462.64**	**460.05**	**439.73**	**460.72**	**506.58**	**588.14**	**533.85**	**523.79**	**575.42**	**594.28**	**566.35**	**597.44**	**6308.99**
	CG Stations													

Gross Energy Availability (MU) at Ex-BUS														
S. No.	**Generating Station / Stage**	**Apr 23**	**May 23**	**Jun 23**	**Jul 23**	**Aug 23**	**Sep 23**	**Oct 23**	**Nov 23**	**Dec 23**	**Jan 24**	**Feb 24**	**Mar 24**	**FY TOTAL**
18	NTPC(SR) Ramagundam I & II	47.76	49.35	47.76	49.35	49.35	47.76	44.53	41.54	40.02	49.35	42.24	47.02	556.00
19	NTPC(SR) Simhadri Stage-I	69.31	71.67	69.31	71.67	71.67	69.31	71.67	45.09	55.53	71.67	64.79	71.67	803.39
20	NTPC(SR) Simhadri Stage-II	32.15	33.25	23.56	25.76	33.25	32.15	33.25	32.15	33.25	33.25	30.05	33.25	375.28
21	NTPC(SR) Talcher Stage-II	26.47	27.21	19.29	23.50	23.11	23.13	27.19	26.18	27.09	27.15	25.56	27.28	303.17
22	NTPC(SR) Ramagundam III	11.19	11.56	11.19	11.56	11.56	11.19	11.56	11.19	11.56	2.38	8.15	11.56	124.66
23	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	NLC Stage-I	7.55	7.83	7.55	5.55	7.83	5.13	7.61	5.07	7.61	7.69	7.33	7.83	84.57
26	NLC Stage-II	13.28	13.65	10.27	13.65	10.69	13.28	10.69	13.07	10.25	12.21	12.86	13.73	147.63
27	NPC(MAPS)	0.97	1.02	0.97	0.00	0.66	0.97	1.02	0.97	1.02	1.02	0.94	1.02	10.59
28	NPC(KAIGA unit I,II,III,IV)	12.46	16.85	16.24	16.85	16.85	12.31	15.53	16.24	16.85	16.85	15.76	16.85	189.66
29	NTPL(NLC TamilNadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	KKNPP Unit-I	0.27	0.28	0.27	0.28	0.28	0.27	0.28	0.27	0.13	0.00	0.00	0.28	2.58
32	NLC TPS- I Expn.	0.31	0.32	0.31	0.32	0.32	0.21	0.16	0.28	0.30	0.31	0.29	0.31	3.42
33	NLC TPS- II Expn.	0.27	0.14	0.21	0.20	0.28	0.27	0.28	0.14	0.18	0.24	0.26	0.28	2.75
34	JNNSM Ph-1 Thermal	5.91	6.11	4.83	5.87	5.20	5.72	5.91	5.65	5.72	5.71	5.35	6.01	68.00
	CGS TOTAL	**227.89**	**239.23**	**211.76**	**224.56**	**231.04**	**221.69**	**229.68**	**197.84**	**209.51**	**227.83**	**213.59**	**237.07**	**2671.71**
	NCE													
35	NCE- Others	6.02	6.13	5.26	6.22	7.62	8.31	8.78	6.65	7.39	7.89	6.90	5.04	82.22
36	NCE Solar	98.73	88.37	91.31	77.75	85.04	86.37	83.12	55.84	83.16	91.34	94.78	98.51	1034.32
37	NCE WIND	79.87	205.27	218.68	277.00	240.42	198.94	42.40	57.97	58.37	56.10	61.38	62.20	1558.59
38	JNNSM PH 1 SOLAR	0.96	1.21	0.59	0.50	0.21	0.63	0.53	0.41	0.27	1.13	1.34	1.37	9.14
39	JNNSM PH 2 SOLAR	48.93	66.36	53.96	52.33	33.02	53.08	48.75	51.91	25.20	69.33	52.15	71.33	626.36

Gross Energy Availability (MU) at Ex-BUS														
S. No.	**Generating Station / Stage**	**Apr 23**	**May 23**	**Jun 23**	**Jul 23**	**Aug 23**	**Sep 23**	**Oct 23**	**Nov 23**	**Dec 23**	**Jan 24**	**Feb 24**	**Mar 24**	**FY TOTAL**
	NCE TOTAL	**234.51**	**367.33**	**369.81**	**413.80**	**366.30**	**347.33**	**183.59**	**172.78**	**174.39**	**225.79**	**216.55**	**238.45**	**3310.63**
	Others													
40	APPDCL Stage-I	161.72	172.87	156.14	156.14	156.14	156.14	103.17	167.29	103.17	172.87	161.72	172.87	1840.25
41	APPDCL Stage-II	0.00	0.00	119.45	111.44	111.44	111.44	111.44	23.89	123.43	123.43	115.47	123.61	1075.06
42	Godavari Gas Power Plant	10.40	10.76	10.40	10.76	10.76	10.40	10.76	10.40	10.76	10.76	10.03	10.76	126.96
43	Thermal Powertech Corporation (SEIL P1)	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	399.59
44	SEIL P 2	87.53	87.53	87.53	87.53	87.53	87.53	87.53	41.86	87.53	87.53	87.53	87.53	1004.72
45	HNPCL	131.86	136.41	130.47	134.82	112.45	99.98	131.06	125.92	134.43	134.82	126.11	134.82	1533.17
	Others TOTAL	**424.80**	**440.87**	**537.29**	**534.00**	**511.63**	**498.80**	**477.27**	**402.66**	**492.62**	**562.72**	**534.17**	**562.90**	**5979.75**
	GRAND TOTAL	**1349.85**	**1507.49**	**1558.58**	**1633.09**	**1615.56**	**1655.96**	**1424.38**	**1297.07**	**1451.95**	**1610.63**	**1530.66**	**1635.87**	**18271.08**

ANNEXURE – 05 (C)

APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2023-24 – APEPDCL

Gross Energy Availability (MU) at Ex-BUS													
S.No.	**Generating Station / Stage**	**Apr 23**	**May 23**	**Jun 23**	**Jul 23**	**Aug 23**	**Sep 23**	**Oct 23**	**Nov 23**	**Dec 23**	**Jan 24**	**Feb 24**	**Mar 24**	**FY TOTAL**
	APGenco-Thermal													
1	Dr. NTTPS	233.26	241.59	233.26	241.59	199.93	212.25	199.93	212.25	241.59	241.59	224.93	241.59	2723.74
2	Dr. NTTPS-IV	100.33	103.59	100.33	103.59	103.59	100.33	103.59	49.98	103.59	103.59	96.71	103.59	1172.80
3	Dr. NTTPS-V	0.00	0.00	0.00	0.00	0.00	168.06	168.06	168.06	168.06	168.06	168.06	168.06	1176.43
4	RTPP Stage-I	67.37	69.90	67.37	49.26	69.90	67.37	49.26	67.37	69.90	69.90	64.47	69.90	781.99
5	RTPP Stage-II	79.58	82.35	79.58	82.35	82.35	79.58	82.35	58.79	61.57	82.35	76.81	82.35	930.02
6	RTPP Stage-III	38.24	39.63	38.24	39.63	39.63	17.46	39.63	38.24	39.63	39.63	36.86	39.63	446.47
7	RTPP Stage-IV	108.79	113.11	108.79	113.11	113.11	108.79	26.59	108.79	113.11	113.11	104.46	113.11	1244.89
	AP Genco-Thermal Total	627.57	650.18	627.57	629.53	608.52	753.84	669.42	703.49	797.45	818.24	772.30	818.24	8476.34
	AP GENCO - Hydel													
8	Srisailam RCPH	15.59	6.80	5.04	15.05	94.11	72.79	70.35	24.59	11.99	19.16	25.59	20.41	381.47
9	NSRCPH	0.38	0.17	0.13	0.11	4.94	8.06	7.57	7.71	6.01	4.32	2.21	1.36	42.98
10	NSTPDC PH	0.36	0.36	0.36	1.43	2.87	4.66	4.66	5.74	5.74	3.23	1.43	1.43	32.27
11	Upper Sileru	21.40	14.22	12.37	14.41	15.18	15.37	17.87	16.87	15.69	19.94	21.09	25.99	210.40
12	Lower Sileru	38.12	28.19	25.29	36.72	37.87	35.71	36.23	33.69	36.79	37.01	39.39	43.29	428.31
13	Donkarayi	2.66	2.43	1.87	2.84	2.47	3.38	3.82	3.23	3.46	2.87	3.13	3.13	35.29
14	PABM	0.00	0.00	0.00	0.01	0.30	0.30	0.43	0.32	0.32	0.14	0.14	0.12	2.09
15	Minihydel (Chettipet)	0.05	0.00	0.03	0.14	0.11	0.12	0.03	0.02	0.10	0.14	0.10	0.13	0.96
	AP Genco Hydel Total	**78.57**	**52.17**	**45.08**	**70.71**	**157.85**	**140.38**	**140.97**	**92.18**	**80.10**	**86.82**	**93.08**	**95.86**	**1133.77**
	Inter State - Hydel													
16	Machkund AP Share	10.78	11.42	9.72	10.89	11.12	9.75	9.71	9.42	9.92	10.62	10.02	9.95	123.31
17	TB Dam AP Share	1.03	0.16	0.02	3.83	8.64	8.74	8.34	7.75	5.49	6.55	3.49	3.09	57.13
	Inter State - Hydel Total	11.81	11.58	9.74	14.72	19.76	18.49	18.05	17.17	15.41	17.17	13.51	13.04	180.44

	APGENCO-TOTAL	**717.95**	**713.92**	**682.39**	**714.97**	**786.14**	**912.71**	**828.44**	**812.84**	**892.95**	**922.23**	**878.89**	**927.14**	**9790.56**
	CG Stations													
18	NTPC(SR) Ramagundam I & II	74.11	76.58	74.11	76.58	76.58	74.11	69.10	64.46	62.10	76.58	65.55	72.96	862.82
19	NTPC(SR) Simhadri Stage-I	107.56	111.23	107.56	111.23	111.23	107.56	111.23	69.98	86.18	111.23	100.54	111.23	1246.73
20	NTPC(SR) Simhadri Stage-II	49.89	51.59	36.56	39.97	51.59	49.89	51.59	49.89	51.59	51.59	46.63	51.59	582.38
21	NTPC(SR) Talcher Stage-II	41.08	42.23	29.94	36.47	35.86	35.89	42.20	40.63	42.04	42.13	39.67	42.33	470.48
22	NTPC(SR) Ramagundam III	17.36	17.94	17.36	17.94	17.94	17.36	17.94	17.36	17.94	3.69	12.64	17.94	193.45
23	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	NLC Stage-I	11.71	12.15	11.71	8.62	12.15	7.96	11.81	7.87	11.81	11.93	11.37	12.15	131.24
26	NLC Stage-II	20.61	21.18	15.94	21.18	16.59	20.61	16.59	20.29	15.90	18.95	19.96	21.30	229.10
27	NPC(MAPS)	1.51	1.58	1.51	0.00	1.03	1.51	1.58	1.51	1.58	1.58	1.46	1.58	16.43
28	NPC(KAIGA unit I,II,III,IV)	19.34	26.15	25.21	26.15	26.15	19.11	24.10	25.21	26.15	26.15	24.46	26.15	294.33
29	NTPL(NLC TamilNadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	KKNPP Unit-I	0.41	0.43	0.41	0.43	0.43	0.41	0.43	0.41	0.21	0.00	0.01	0.43	4.00
32	NLC TPS- I Expn.	0.48	0.49	0.48	0.49	0.49	0.33	0.25	0.43	0.47	0.48	0.45	0.48	5.30
33	NLC TPS- II Expn.	0.42	0.22	0.33	0.31	0.43	0.42	0.43	0.21	0.28	0.37	0.41	0.43	4.27
34	JNNSM Ph-1 Thermal	9.18	9.48	7.49	9.12	8.06	8.87	9.17	8.77	8.88	8.87	8.31	9.33	105.53
	CGS TOTAL	353.65	371.25	328.61	348.49	358.54	344.03	356.43	307.01	325.13	353.56	331.46	367.90	4146.07
	NCE													
35	NCE- Others	9.35	9.51	8.17	9.66	11.82	12.90	13.63	10.32	11.47	12.25	10.71	7.82	127.60
36	NCE Solar	153.21	137.13	141.70	120.65	131.97	134.03	128.99	86.66	129.05	141.74	147.09	152.87	1605.10
37	NCE WIND	123.94	318.54	339.36	429.86	373.09	308.72	65.80	89.96	90.58	87.05	95.25	96.52	2418.68
38	JNNSM PH 1 SOLAR	1.49	1.87	0.91	0.78	0.32	0.98	0.81	0.64	0.42	1.76	2.08	2.13	14.19
39	JNNSM PH 2 SOLAR	75.93	102.98	83.74	81.21	51.24	82.37	75.66	80.56	39.11	107.60	80.93	110.70	972.01
	NCE TOTAL	363.93	570.04	573.88	642.15	568.44	539.00	284.90	268.13	270.63	350.40	336.05	370.03	5137.58

	Others													
40	APPDCL Stage-I	250.96	268.27	242.31	242.31	242.31	242.31	160.10	259.61	160.10	268.27	250.96	268.27	2855.77
41	APPDCL Stage-II	0.00	0.00	185.37	172.94	172.94	172.94	172.94	37.07	191.55	191.55	179.19	191.82	1668.33
42	Godavari Gas Power Plant	16.14	16.70	16.14	16.70	16.70	16.14	16.70	16.14	16.70	16.70	15.57	16.70	197.02
43	Thermal Powertech Corporation (SEIL P1)	51.68	51.68	51.68	51.68	51.68	51.68	51.68	51.68	51.68	51.68	51.68	51.68	620.10
44	SEIL P 2	135.84	135.84	135.84	135.84	135.84	135.84	135.84	64.97	135.84	135.84	135.84	135.84	1559.16
45	HNPCL	204.62	211.68	202.47	209.23	174.51	155.15	203.39	195.40	208.61	209.23	195.71	209.23	2379.24
	Others TOTAL	659.23	684.17	833.79	828.69	793.97	774.05	740.64	624.87	764.47	873.26	828.94	873.53	9279.62
	GRAND TOTAL	2094.76	2339.38	2418.68	2534.30	2507.09	2569.79	2210.42	2012.85	2253.19	2499.44	2375.34	2538.61	28353.83

ANNEXURE – 05 (D)

APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2023-24 – DISCOMS (TOTAL)

Gross Energy Availability (MU) at Ex-BUS													
S. No.	**Generating Station / Stage**	**Apr 23**	**May 23**	**Jun 23**	**Jul 23**	**Aug 23**	**Sep 23**	**Oct 23**	**Nov 23**	**Dec 23**	**Jan 24**	**Feb 24**	**Mar 24**	**FY TOTAL**
	APGenco-Thermal													
1	Dr. NTTPS	644.00	667.00	644.00	667.00	552.00	586.00	552.00	586.00	667.00	667.00	621.00	667.00	7520.00
2	Dr. NTTPS-IV	277.00	286.00	277.00	286.00	286.00	277.00	286.00	138.00	286.00	286.00	267.00	286.00	3238.00
3	Dr. NTTPS-V	0.00	0.00	0.00	0.00	0.00	464.00	464.00	464.00	464.00	464.00	464.00	464.00	3248.00
4	RTPP Stage-I	186.00	193.00	186.00	136.00	193.00	186.00	136.00	186.00	193.00	193.00	178.00	193.00	2159.00
5	RTPP Stage-II	219.71	227.37	219.71	227.37	227.37	219.71	227.37	162.33	169.98	227.37	212.06	227.37	2567.71
6	RTPP Stage-III	105.59	109.42	105.59	109.42	109.42	48.20	109.42	105.59	109.42	109.42	101.76	109.42	1232.66
7	RTPP Stage-IV	300.35	312.30	300.35	312.30	312.30	300.35	73.42	300.35	312.30	312.30	288.41	312.30	3437.02
	AP Genco-Thermal Total	**1732.66**	**1795.08**	**1732.66**	**1738.08**	**1680.08**	**2081.27**	**1848.21**	**1942.27**	**201.69**	**2259.08**	**2132.24**	**2259.08**	**23402.39**
	AP GENCO - Hydel													
8	Srisailam RCPH	43.06	18.78	13.92	41.56	259.83	200.96	194.23	67.90	33.10	52.90	70.66	56.35	1053.20
9	NSRCPH	1.06	0.46	0.35	0.30	13.64	22.24	20.91	21.29	16.60	11.94	6.10	3.76	118.65
10	NSTPDC PH	0.99	0.99	0.99	3.96	7.92	12.87	12.87	15.84	15.84	8.91	3.96	3.96	89.10
11	Upper Sileru	59.09	39.27	34.17	39.79	41.91	42.43	49.35	46.59	43.31	55.07	58.23	71.75	580.91
12	Lower Sileru	105.25	77.84	69.83	101.38	104.56	98.60	100.04	93.03	101.57	102.19	108.76	119.52	1182.52
13	Donkarayi	7.35	6.71	5.15	7.85	6.83	9.34	10.56	8.92	9.56	7.91	8.63	8.63	97.44
14	PABM	0.00	0.00	0.00	0.03	0.83	0.83	1.20	0.89	0.89	0.40	0.38	0.33	5.78
15	Minihydel(Chettipet)	0.13	0.00	0.07	0.38	0.30	0.33	0.07	0.05	0.28	0.39	0.28	0.37	2.65
	AP Genco Hydel Total	**216.92**	**144.04**	**124.47**	**195.24**	**435.81**	**387.59**	**389.22**	**254.50**	**221.14**	**239.70**	**256.99**	**264.66**	**3130.24**
	Inter State - Hydel													
16	Machkund AP Share	29.76	31.52	26.83	30.06	30.71	26.92	26.80	26.00	27.39	29.33	27.68	27.48	340.46
17	TB Dam AP Share	2.85	0.44	0.05	10.59	23.86	24.13	23.04	21.41	15.15	18.08	9.63	8.53	157.74
	Inter State - Hydel total	**32.61**	**31.96**	**26.88**	**40.64**	**54.56**	**51.04**	**49.83**	**47.40**	**42.53**	**47.40**	**37.31**	**36.01**	**498.19**
	APGENCO-TOTAL	**1982.18**	**1971.07**	**1884.00**	**1973.96**	**2170.45**	**2519.90**	**2287.26**	**2244.17**	**2465.36**	**2546.18**	**2426.53**	**2559.74**	**27030.82**
	CG Stations													

Gross Energy Availability (MU) at Ex-BUS														
S. No.	**Generating Station / Stage**	**Apr 23**	**May 23**	**Jun 23**	**Jul 23**	**Aug 23**	**Sep 23**	**Oct 23**	**Nov 23**	**Dec 23**	**Jan 24**	**Feb 24**	**Mar 24**	**FY TOTAL**
18	NTPC(SR) Ramagundam I & II	204.61	211.43	204.61	211.43	211.43	204.61	190.78	177.96	171.46	211.43	180.98	201.44	2382.17
19	NTPC(SR) Simhadri Stage-I	296.95	307.09	296.95	307.09	307.09	296.95	307.09	193.20	237.93	307.09	277.58	307.09	3442.10
20	NTPC(SR) Simhadri Stage-II	137.73	142.44	100.95	110.36	142.44	137.73	142.44	137.73	142.44	142.44	128.75	142.44	1607.89
21	NTPC(SR) Talcher Stage-II	113.42	116.60	82.65	100.69	99.01	99.10	116.51	112.18	116.07	116.33	109.53	116.86	1298.95
22	NTPC(SR) Ramagundam III	47.94	49.54	47.94	49.54	49.54	47.94	49.54	47.94	49.54	10.20	34.91	49.54	534.11
23	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	NLC Stage-I	32.34	33.54	32.34	23.79	33.54	21.99	32.60	21.73	32.60	32.94	31.40	33.54	362.35
26	NLC Stage-II	56.90	58.47	44.02	58.47	45.81	56.90	45.81	56.01	43.91	52.31	55.11	58.81	632.53
27	NPC(MAPS)	4.16	4.37	4.16	0.00	2.84	4.16	4.37	4.16	4.37	4.37	4.04	4.37	45.37
28	NPC(KAIGA unit I,II,III,IV)	53.39	72.20	69.60	72.20	72.20	52.76	66.54	69.60	72.20	72.20	67.52	72.20	812.61
29	NTPL(NLC TamilNadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	KKNPP Unit-I	1.14	1.18	1.14	1.18	1.18	1.14	1.18	1.14	0.57	0.00	0.02	1.18	11.05
32	NLC TPS- I Expn.	1.32	1.35	1.32	1.36	1.35	0.90	0.70	1.18	1.29	1.32	1.23	1.32	14.64
33	NLC TPS- II Expn.	1.16	0.61	0.91	0.86	1.20	1.16	1.20	0.58	0.76	1.03	1.12	1.19	11.78
34	JNNSM Ph-1 Thermal	25.34	26.17	20.68	25.17	22.26	24.50	25.32	24.22	24.52	24.48	22.93	25.76	291.35
	CGS TOTAL	**976.40**	**1024.99**	**907.27**	**962.14**	**989.89**	**949.84**	**984.08**	**847.63**	**897.66**	**976.14**	**915.12**	**1015.74**	**11446.90**
	NCE													
35	NCE- Others	25.81	26.27	22.55	26.66	32.64	35.61	37.63	28.48	31.67	33.81	29.56	21.59	**352.28**
36	NCE Solar	423.00	378.61	391.22	333.11	364.36	370.05	356.13	239.25	356.30	391.34	406.10	422.05	**4431.52**
37	NCE WIND	342.20	879.46	936.93	1186.81	1030.08	852.34	181.68	248.38	250.07	240.35	262.98	266.48	**6677.76**
38	JNNSM PH 1 SOLAR	4.12	5.17	2.52	2.14	0.88	2.71	2.25	1.76	1.16	4.85	5.74	5.88	**39.18**
39	JNNSM PH 2 SOLAR	209.64	284.31	231.21	224.20	141.46	227.41	208.88	222.42	107.99	297.06	223.43	305.63	**2683.64**

Gross Energy Availability (MU) at Ex-BUS													
S. No.	**Generating Station / Stage**	**Apr 23**	**May 23**	**Jun 23**	**Jul 23**	**Aug 23**	**Sep 23**	**Oct 23**	**Nov 23**	**Dec 23**	**Jan 24**	**Feb 24**	**Mar 24**	**FY TOTAL**
	NCE TOTAL	**1004.77**	**1573.82**	**1584.43**	**1772.92**	**1569.42**	**1488.12**	**786.57**	**740.29**	**747.19**	**967.41**	**927.81**	**1021.63**	**14184.38**
	Others													0.00
40	APPDCL Stage-I	692.88	740.67	668.99	668.99	668.99	668.99	442.01	716.77	442.01	740.67	692.88	740.67	7884.52
41	APPDCL Stage-II	0.00	0.00	511.79	477.48	477.48	477.48	477.48	102.36	528.85	528.85	494.73	529.60	4606.10
42	Godavari Gas Power Plant	44.55	46.11	44.55	46.11	46.11	44.55	46.11	44.55	46.11	46.11	42.99	46.11	543.96
43	Thermal Powertech Corporation (SEIL P1)	142.67	142.67	142.67	142.67	142.67	142.67	142.67	142.67	142.67	142.67	142.67	142.67	1712.04
44	SEIL P 2	375.03	375.03	375.03	375.03	375.03	375.03	375.03	179.36	375.03	375.03	375.03	375.03	4304.69
45	HNPCL	564.94	584.44	559.00	577.66	481.81	428.36	561.55	539.49	575.96	577.66	540.33	577.66	6568.85
	Others TOTAL	**1820.07**	**1888.92**	**2302.03**	**2287.94**	**2192.09**	**2137.08**	**2044.85**	**1725.20**	**2110.63**	**2410.99**	**2288.63**	**2411.74**	**25620.16**
	GRAND TOTAL	**5783.42**	**6458.81**	**6677.73**	**6996.96**	**6921.85**	**7094.94**	**6102.75**	**5557.29**	**6220.85**	**6900.72**	**6558.09**	**7008.85**	**78282.26**

ANNEXURE – 06 (A)

FILING: ENERGY DESPATCH (MU) FOR FY2023-24 – APSPDCL

S.No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	APGenco-Thermal													
1	Dr. NTTPS	282.66	185.86	258.46	40.82	126.27	200.41	268.34	258.46	267.88	269.83	263.82	292.08	2714.89
2	Dr. NTTPS-IV	121.20	125.24	121.20	64.64	125.24	121.20	125.24	121.20	125.24	125.24	113.12	125.24	1413.98
3	Dr. NTTPS-V	186.61	192.83	186.62	192.83	192.83	186.61	192.83	186.61	192.83	192.83	174.17	192.83	2270.42
4	RTPP Stage-I	100.16	0.00	0.00	0.00	0.00	0.00	103.49	0.00	0.00	0.00	23.84	103.49	330.98
5	RTPP Stage-II	12.89	0.00	0.00	0.00	0.00	0.00	35.93	0.00	0.00	0.00	0.00	103.49	152.32
6	RTPP Stage-III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.98	42.98
7	RTPP Stage-IV	148.19	0.00	0.00	0.00	0.00	0.00	153.13	34.68	77.35	0.00	143.25	153.13	709.73
	APGenco-Thermal Total	**851.71**	**503.93**	**566.27**	**298.29**	**444.34**	**508.22**	**878.97**	**600.95**	**663.30**	**587.90**	**718.19**	**1013.25**	**7635.31**
	APGenco - Hydel													
8	Srisailam RCPH	13.36	3.54	1.57	12.75	101.02	77.21	74.49	23.40	9.33	17.34	24.52	18.73	377.26
9	NSRCPH	0.43	0.19	0.14	0.12	5.51	9.00	8.46	8.61	6.71	4.83	2.47	1.52	47.98
10	NSTPDC PH	0.40	0.40	0.40	1.60	3.20	5.20	5.20	6.41	6.41	3.60	1.60	1.60	36.03
11	Upper Sileru	19.84	11.82	9.76	12.04	12.89	13.10	15.90	14.79	13.46	18.22	19.49	24.96	186.28
12	Lower Sileru	38.51	27.42	24.18	36.94	38.23	35.82	36.40	33.56	37.02	37.27	39.93	44.28	429.56
13	Donkarayi	2.97	2.71	2.08	3.18	2.76	3.78	4.27	3.61	3.86	3.20	3.49	3.49	39.40
14	PABM	0.00	0.00	0.00	0.01	0.33	0.34	0.49	0.36	0.36	0.16	0.15	0.13	2.34
15	Mini Hydel (Chettipet)	0.05	0.00	0.03	0.15	0.12	0.13	0.03	0.02	0.11	0.16	0.11	0.15	1.06
	APGenco Hydel Total	**75.56**	**46.08**	**38.17**	**66.79**	**164.08**	**144.58**	**145.24**	**90.76**	**77.27**	**84.77**	**91.76**	**94.86**	**1119.91**
	Inter State - Hydel													
16	Machkund AP Share	10.73	11.44	9.55	10.85	11.12	9.58	9.54	9.21	9.77	10.56	9.89	9.81	122.06
17	TB Dam AP Share	1.15	0.18	0.02	2.05	7.42	7.53	7.08	6.43	3.89	5.08	3.90	3.45	48.17
	Inter State - Hydel Total	11.88	11.62	9.57	12.90	18.54	17.11	16.62	15.64	13.66	15.64	13.79	13.26	170.23
	APGENCO-TOTAL	**939.15**	**561.63**	**614.02**	**377.98**	**626.96**	**669.91**	**1040.83**	**707.34**	**754.22**	**688.31**	**823.74**	**1121.37**	**8925.46**

S.No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	CG Station													
18	NTPC(SR) Ramagundam I & II	82.75	85.50	82.75	85.50	85.50	82.75	77.15	71.97	69.34	85.50	73.19	81.46	963.36
19	NTPC(SR) Simhadri Stage-I	120.09	124.19	120.09	124.19	124.19	120.09	124.19	78.13	96.22	124.19	112.25	124.19	1391.99
20	NTPC(SR) Simhadri Stage-II	55.70	57.60	40.82	44.63	57.60	55.70	57.60	55.70	57.60	57.60	52.07	57.60	650.22
21	NTPC(SR) Talcher Stage-II	45.87	47.15	33.43	40.72	40.04	40.07	47.12	45.37	46.94	47.05	44.29	47.26	525.30
22	NTPC(SR) Ramagundam III	19.39	20.03	19.39	20.03	20.03	19.39	20.03	19.39	20.03	4.13	14.12	20.03	215.98
23	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTECL Vallur	23.85	0.00	3.94	0.00	0.00	0.00	24.65	23.85	23.29	19.19	22.25	24.65	165.66
25	NLC Stage-I	13.08	13.56	13.08	9.62	13.56	8.89	13.18	8.79	13.18	13.32	12.70	13.56	146.54
26	NLC Stage-II	23.01	23.65	17.80	23.65	18.53	23.01	18.53	22.65	17.76	21.15	22.29	23.78	255.80
27	NPC(MAPS)	1.68	1.77	1.68	0.00	1.15	1.68	1.77	1.68	1.77	1.77	1.63	1.77	18.34
28	NPC(KAIGA unit I,II,III,IV)	21.59	29.20	28.15	29.20	29.20	21.33	26.91	28.15	29.20	29.20	27.31	29.20	328.61
29	NTPL(NLC Tamil Nadu)	32.96	0.00	24.15	0.00	0.00	0.00	34.06	32.96	34.06	34.06	31.86	34.06	258.15
30	NLC NNTPS	13.45	13.95	13.45	13.72	13.72	13.27	7.86	6.39	7.86	10.44	12.95	13.77	140.82
31	KKNPP Unit-I	0.46	0.48	0.46	0.48	0.48	0.46	0.48	0.46	0.23	0.00	0.01	0.48	4.46
32	NLC TPS- I Expn.	0.53	0.55	0.53	0.55	0.55	0.36	0.28	0.48	0.52	0.53	0.50	0.53	5.92
33	NLC TPS- II Expn.	0.47	0.25	0.37	0.35	0.48	0.47	0.48	0.24	0.31	0.42	0.45	0.48	4.76
34	JNNSM Ph-1 Thermal	10.25	10.58	8.36	10.18	9.00	9.91	10.24	9.79	9.92	9.90	9.27	10.42	117.82
	CGS TOTAL	**465.11**	**428.45**	**408.44**	**402.81**	**414.04**	**397.38**	**464.52**	**405.98**	**428.21**	**458.43**	**437.13**	**483.23**	**5193.74**
	NCE													
35	NCE- Others	3.03	6.00	6.00	7.29	9.90	12.40	14.18	7.57	8.18	8.23	7.21	4.77	94.75
36	NCE Solar	417.80	373.64	386.71	329.25	360.12	365.53	352.07	236.44	352.07	387.01	401.40	417.12	4379.18
37	NCE WIND	342.20	879.46	936.93	1186.81	1030.08	852.34	181.68	248.38	250.07	240.35	262.98	266.48	6677.77
38	JNNSM PH 1 SOLAR	4.12	5.17	2.52	2.14	0.88	2.71	2.25	1.76	1.16	4.85	5.74	5.88	39.19
39	JNNSM PH 2 SOLAR	209.64	284.31	231.21	224.20	141.46	227.41	208.88	222.42	107.99	297.06	223.43	305.63	2683.64
	NCE TOTAL	**976.79**	**1548.59**	**1563.37**	**1749.69**	**1542.44**	**1460.40**	**759.06**	**716.57**	**719.47**	**937.50**	**900.77**	**999.88**	**13874.53**

S.No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	Others													
40	APPDCL Stage-I	280.20	299.53	270.54	270.54	270.54	270.54	178.75	289.86	178.75	299.53	280.20	299.53	3188.50
41	APPDCL Stage-II	200.07	213.87	206.97	193.09	193.09	193.09	193.09	41.39	213.87	213.87	200.07	214.17	2276.64
42	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	Thermal Powertech Corporation	67.13	69.37	67.13	69.37	69.37	67.13	69.37	39.34	55.47	69.37	64.89	69.37	777.28
44	SEIL	163.78	169.24	163.78	169.24	169.24	163.78	169.24	163.78	169.24	169.24	158.32	169.24	1998.14
45	HNPCL	253.84	262.61	251.18	259.56	216.49	192.48	252.32	242.41	258.80	259.56	242.79	259.56	2951.60
	Others - Total	**965.02**	**1014.61**	**959.60**	**961.80**	**918.73**	**887.02**	**862.77**	**776.77**	**876.13**	**1011.57**	**946.27**	**1011.87**	**11192.17**
46	INTERSTATE TRADERS (SHORTTERM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	D<>D SALE	-613.31	-1215.28	-1204.02	-1132.86	-1001.36	-972.43	-520.44	-739.68	-636.90	-543.53	-452.24	-594.82	-9626.85
	GRAND TOTAL	**2732.76**	**2338.01**	**2341.40**	**2359.42**	**2500.81**	**2442.28**	**2606.74**	**1866.99**	**2141.14**	**2552.28**	**2655.68**	**3021.54**	**29559.04**

ANNEXURE – 06 (B)

FILING: ENERGY DESPATCH (MU) FOR FY2023-24 – APCPDCL

S. No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	**May-23**	**Jun-23**	**Jul-23**	**Aug-23**	**Sep-23**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Total**
	APGenco-Thermal													
1	Dr. NTTPS	163.14	107.27	149.17	23.56	72.88	115.67	154.87	149.17	154.61	155.73	152.26	168.58	**1566.90**
2	Dr. NTTPS-IV	69.95	72.28	69.95	37.31	72.28	69.95	72.28	69.95	72.28	72.28	65.29	72.28	**816.08**
3	Dr. NTTPS-V	107.70	111.29	107.71	111.29	111.29	107.70	111.29	107.70	111.29	111.29	100.52	111.29	**1310.38**
4	RTPP Stage-I	57.81	0.00	0.00	0.00	0.00	0.00	59.73	0.00	0.00	0.00	13.76	59.73	**191.03**
5	RTPP Stage-II	7.44	0.00	0.00	0.00	0.00	0.00	20.74	0.00	0.00	0.00	0.00	59.73	**87.91**
6	RTPP Stage-III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.81	**24.81**
7	RTPP Stage-IV	85.53	0.00	0.00	0.00	0.00	0.00	88.38	20.02	44.64	0.00	82.68	88.38	**409.62**
	APGenco-Thermal Total	**491.56**	**290.84**	**326.83**	**172.16**	**256.45**	**293.32**	**507.30**	**346.84**	**382.82**	**339.31**	**414.51**	**584.80**	**4406.73**
	APGenco - Hydel													
8	Srisailam RCPH	7.71	2.04	0.91	7.36	58.30	44.56	42.99	13.51	5.39	10.01	14.15	10.81	**217.74**
9	NSRCPH	0.25	0.11	0.08	0.07	3.18	5.19	4.88	4.97	3.87	2.79	1.42	0.88	**27.69**
10	NSTPDC PH	0.23	0.23	0.23	0.92	1.85	3.00	3.00	3.70	3.70	2.08	0.92	0.92	**20.80**
11	Upper Sileru	11.45	6.82	5.63	6.95	7.44	7.56	9.18	8.53	7.77	10.51	11.25	14.41	**107.51**
12	Lower Sileru	22.22	15.83	13.96	21.32	22.06	20.67	21.01	19.37	21.37	21.51	23.04	25.55	**247.92**
13	Donkarayi	1.71	1.57	1.20	1.83	1.59	2.18	2.46	2.08	2.23	1.85	2.01	2.01	**22.74**
14	PABM	0.00	0.00	0.00	0.01	0.19	0.19	0.28	0.21	0.21	0.09	0.09	0.08	**1.35**
15	Minihydel(Chettipet)	0.03	0.00	0.02	0.09	0.07	0.08	0.02	0.01	0.06	0.09	0.06	0.09	**0.61**
	APGenco Hydel Total	**43.61**	**26.60**	**22.03**	**38.55**	**94.70**	**83.44**	**83.82**	**52.38**	**44.59**	**48.93**	**52.96**	**54.75**	**646.36**
	Inter State - Hydel													
16	Machkund AP Share	6.19	6.60	5.51	6.26	6.42	5.53	5.50	5.32	5.64	6.09	5.71	5.66	**70.45**
17	TB Dam AP Share	0.67	0.10	0.01	1.18	4.28	4.34	4.09	3.71	2.25	2.93	2.25	1.99	**27.80**

S. No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	**May-23**	**Jun-23**	**Jul-23**	**Aug-23**	**Sep-23**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Total**
	Inter State - Hydel Total	**6.86**	**6.71**	**5.52**	**7.45**	**10.70**	**9.88**	**9.59**	**9.03**	**7.89**	**9.03**	**7.96**	**7.65**	**98.25**
	APGENCO-TOTAL	**542.03**	**324.14**	**354.38**	**218.15**	**361.85**	**386.64**	**600.72**	**408.24**	**435.31**	**397.26**	**475.42**	**647.20**	**5151.34**
	CG Station													
18	NTPC(SR) Ramagundam I & II	47.76	49.35	47.76	49.35	49.35	47.76	44.53	41.54	40.02	49.35	42.24	47.02	**556.00**
19	NTPC(SR) Simhadri Stage-I	69.31	71.68	69.31	71.68	71.68	69.31	71.68	45.09	55.53	71.68	64.79	71.68	**803.39**
20	NTPC(SR) Simhadri Stage-II	32.15	33.24	23.56	25.76	33.24	32.15	33.24	32.15	33.24	33.24	30.05	33.24	**375.28**
21	NTPC(SR) Talcher Stage-II	26.47	27.21	19.29	23.50	23.11	23.13	27.19	26.18	27.09	27.15	25.56	27.28	**303.17**
22	NTPC(SR) Ramagundam III	11.19	11.56	11.19	11.56	11.56	11.19	11.56	11.19	11.56	2.38	8.15	11.56	**124.65**
23	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
24	NTECL Vallur	13.76	0.00	2.27	0.00	0.00	0.00	14.22	13.76	13.44	11.07	12.84	14.22	**95.61**
25	NLC Stage-I	7.55	7.83	7.55	5.55	7.83	5.13	7.61	5.07	7.61	7.69	7.33	7.83	**84.58**
26	NLC Stage-II	13.28	13.65	10.27	13.65	10.69	13.28	10.69	13.07	10.25	12.21	12.86	13.73	**147.64**
27	NPC(MAPS)	0.97	1.02	0.97	0.00	0.66	0.97	1.02	0.97	1.02	1.02	0.94	1.02	**10.59**
28	NPC(KAIGA unit I,II, III & IV)	12.46	16.85	16.24	16.85	16.85	12.31	15.53	16.24	16.85	16.85	15.76	16.85	**189.66**
29	NTPL(NLC TamilNadu)	19.02	0.00	13.94	0.00	0.00	0.00	19.66	19.02	19.66	19.66	18.39	19.66	**148.99**
30	NLC NNTPS	7.76	8.05	7.76	7.92	7.92	7.66	4.53	3.69	4.53	6.02	7.47	7.95	**81.28**
31	KKNPP Unit-I	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.13	0.00	0.00	0.27	**2.57**
32	NLC TPS- I Expn.	0.31	0.32	0.31	0.32	0.32	0.21	0.16	0.28	0.30	0.31	0.29	0.31	**3.41**
33	NLC TPS- II Expn.	0.27	0.14	0.21	0.20	0.28	0.27	0.28	0.14	0.18	0.24	0.26	0.28	**2.75**
34	JNNSM Ph-1 Thermal	5.91	6.11	4.83	5.88	5.20	5.72	5.91	5.65	5.72	5.71	5.35	6.01	**68.00**
	CGS TOTAL	**268.44**	**247.28**	**235.73**	**232.48**	**238.96**	**229.35**	**268.10**	**234.31**	**247.14**	**264.58**	**252.29**	**278.90**	**2997.57**
	NCE													
35	NCE others	11.35	11.45	8.14	10.16	11.11	11.10	10.12	8.52	10.36	12.98	11.62	9.24	**126.15**
36	NCE Solar	3.77	3.51	3.23	2.74	3.09	3.43	3.02	1.91	3.18	3.22	3.59	3.79	**38.49**

S. No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	**May-23**	**Jun-23**	**Jul-23**	**Aug-23**	**Sep-23**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Total**
37	NCE WIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
38	JNNSM PH 1 SOLAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
39	JNNSM PH 2 SOLAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	NCE TOTAL	**15.12**	**14.96**	**11.37**	**12.90**	**14.20**	**14.53**	**13.14**	**10.43**	**13.54**	**16.20**	**15.21**	**13.03**	**164.64**
	Others													
40	APPDCL Stage-I	161.72	172.87	156.14	156.14	156.14	156.14	103.17	167.30	103.17	172.87	161.72	172.87	**1840.25**
41	APPDCL Stage-II	115.47	123.43	119.45	111.44	111.44	111.44	111.44	23.89	123.43	123.43	115.47	123.61	**1313.96**
42	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
43	Thermal Powertech Corporation	38.74	40.03	38.74	40.03	40.03	38.74	40.03	22.70	32.01	40.03	37.45	40.03	**448.61**
44	SEIL	94.53	97.68	94.53	97.68	97.68	94.53	97.68	94.53	97.68	97.68	91.38	97.68	**1153.23**
45	HNPCL	146.51	151.57	144.97	149.81	124.95	111.09	145.63	139.91	149.37	149.81	140.13	149.81	**1703.52**
	Others Total	**556.97**	**585.58**	**553.83**	**555.10**	**530.25**	**511.95**	**497.95**	**448.32**	**505.66**	**583.82**	**546.14**	**584.00**	**6459.57**
46	INTERSTATE TRADERS (SHORTTERM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
47	D<>D purchases	226.43	405.55	349.01	273.75	260.38	268.80	144.34	121.15	104.13	64.54	88.20	147.87	**2454.15**
	Grand Total	**1608.99**	**1577.53**	**1504.33**	**1292.39**	**1405.64**	**1411.27**	**1524.24**	**1222.46**	**1305.77**	**1326.40**	**1377.26**	**1671.00**	**17227.28**

ANNEXURE – 06 (C)

FILING: ENERGY DESPATCH (MU) FOR FY2023-24 – APEPDCL

S.No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	APGenco-Thermal													
1	Dr. NTTPS	253.17	166.46	231.49	36.56	113.10	179.50	240.34	231.49	239.93	241.67	236.29	261.60	**2431.59**
2	Dr. NTTPS-IV	108.55	112.17	108.55	57.89	112.17	108.55	112.17	108.55	112.17	112.17	101.31	112.17	**1266.43**
3	Dr. NTTPS-V	167.14	172.71	167.14	172.71	172.71	167.14	172.71	167.14	172.71	172.71	155.99	172.71	**2033.50**
4	RTPP Stage-I	89.70	0.00	0.00	0.00	0.00	0.00	92.69	0.00	0.00	0.00	21.35	92.69	**296.44**
5	RTPP Stage-II	11.55	0.00	0.00	0.00	0.00	0.00	32.19	0.00	0.00	0.00	0.00	92.69	**136.43**
6	RTPP Stage-III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.49	**38.49**
7	RTPP Stage-IV	132.73	0.00	0.00	0.00	0.00	0.00	137.15	31.06	69.28	0.00	128.30	137.15	**635.67**
	APGenco-Thermal Total	**762.84**	**451.34**	**507.18**	**267.16**	**397.97**	**455.19**	**787.25**	**538.24**	**594.08**	**526.55**	**643.24**	**907.51**	**6838.55**
	APGenco - Hydel													
8	Srisailam RCPH	11.96	3.17	1.41	11.42	90.48	69.16	66.72	20.96	8.36	15.53	21.96	16.78	**337.90**
9	NSRCPH	0.39	0.17	0.13	0.11	4.94	8.06	7.57	7.71	6.01	4.33	2.21	1.36	**42.97**
10	NSTPDC PH	0.36	0.36	0.36	1.43	2.87	4.66	4.66	5.74	5.74	3.23	1.43	1.43	**32.27**
11	Upper Sileru	17.77	10.59	8.74	10.78	11.55	11.74	14.24	13.24	12.06	16.31	17.46	22.36	**166.84**
12	Lower Sileru	34.49	24.56	21.66	33.09	34.24	32.08	32.60	30.06	33.16	33.38	35.76	39.66	**384.73**
13	Donkarayi	2.66	2.43	1.86	2.84	2.47	3.38	3.82	3.23	3.46	2.87	3.13	3.12	**35.29**
14	PABM	0.00	0.00	0.00	0.01	0.30	0.30	0.44	0.32	0.32	0.14	0.14	0.12	**2.10**
15	Minihydel(Chettipet)	0.05	0.00	0.03	0.14	0.11	0.12	0.03	0.02	0.10	0.14	0.10	0.13	**0.95**
	APGenco Hydel Total	**67.67**	**41.27**	**34.19**	**59.82**	**146.95**	**129.49**	**130.08**	**81.29**	**69.20**	**75.92**	**82.19**	**84.96**	**1003.05**
	Inter State - Hydel													
16	Machkund AP Share	9.61	10.25	8.55	9.72	9.96	8.58	8.54	8.25	8.75	9.46	8.86	8.79	**109.32**
17	TB Dam AP Share	1.03	0.16	0.02	1.84	6.64	6.74	6.34	5.76	3.49	4.55	3.49	3.09	**43.15**
	Inter State - Hydel Total	**10.64**	**10.41**	**8.57**	**11.56**	**16.60**	**15.32**	**14.88**	**14.01**	**12.24**	**14.01**	**12.35**	**11.88**	**152.47**
	APGENCO-TOTAL	**841.15**	**503.02**	**549.94**	**338.54**	**561.53**	**600.00**	**932.22**	**633.53**	**675.53**	**616.48**	**737.78**	**1004.35**	**7994.07**

S.No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	CG Station													
18	NTPC(SR) Ramagundam I & II	74.11	76.58	74.11	76.58	76.58	74.11	69.10	64.46	62.10	76.58	65.55	72.96	**862.83**
19	NTPC(SR) Simhadri Stage-I	107.55	111.23	107.55	111.23	111.23	107.55	111.23	69.98	86.18	111.23	100.54	111.23	**1246.73**
20	NTPC(SR) Simhadri Stage-II	49.89	51.59	36.56	39.97	51.59	49.89	51.59	49.89	51.59	51.59	46.63	51.59	**582.37**
21	NTPC(SR) Talcher Stage-II	41.08	42.23	29.94	36.47	35.86	35.89	42.20	40.63	42.04	42.14	39.67	42.33	**470.48**
22	NTPC(SR) Ramagundam III	17.36	17.94	17.36	17.94	17.94	17.36	17.94	17.36	17.94	3.70	12.64	17.94	**193.44**
23	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
24	NTECL Vallur	21.36	0.00	3.53	0.00	0.00	0.00	22.07	21.36	20.86	17.19	19.93	22.07	**148.38**
25	NLC Stage-I	11.71	12.15	11.71	8.62	12.15	7.96	11.81	7.87	11.81	11.93	11.37	12.15	**131.25**
26	NLC Stage-II	20.61	21.18	15.94	21.18	16.59	20.61	16.59	20.29	15.90	18.95	19.96	21.30	**229.11**
27	NPC(MAPS)	1.51	1.58	1.51	0.00	1.03	1.51	1.58	1.51	1.58	1.58	1.46	1.58	**16.43**
28	NPC(KAIGA unit I,II,III,IV)	19.34	26.15	25.21	26.15	26.15	19.11	24.10	25.21	26.15	26.15	24.46	26.15	**294.32**
29	NTPL(NLC TamilNadu)	29.52	0.00	21.63	0.00	0.00	0.00	30.50	29.52	30.50	30.50	28.53	30.50	**231.21**
30	NLC NNTPS	12.05	12.50	12.05	12.29	12.29	11.88	7.04	5.73	7.04	9.35	11.60	12.33	**126.13**
31	KKNPP Unit-I	0.41	0.43	0.41	0.43	0.43	0.41	0.43	0.41	0.21	0.00	0.01	0.43	**3.99**
32	NLC TPS- I Expn.	0.48	0.49	0.48	0.49	0.49	0.33	0.25	0.43	0.47	0.48	0.45	0.48	**5.30**
33	NLC TPS- II Expn.	0.42	0.22	0.33	0.31	0.43	0.42	0.43	0.21	0.28	0.37	0.40	0.43	**4.27**
34	JNNSM Ph-1 Thermal	9.18	9.48	7.49	9.12	8.06	8.87	9.17	8.77	8.88	8.87	8.30	9.33	**105.52**
	CGS TOTAL	**416.58**	**383.74**	**365.81**	**360.78**	**370.83**	**355.91**	**416.04**	**363.62**	**383.52**	**410.60**	**391.51**	**432.81**	**4651.75**
	NCE													
35	NCE- Others	11.43	8.82	8.41	9.21	11.64	12.12	13.33	12.39	13.13	12.60	10.73	7.57	**131.39**
36	NCE Solar	1.42	1.45	1.28	1.11	1.14	1.10	1.04	0.89	1.05	1.11	1.12	1.14	**13.86**
37	NCE WIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
38	JNNSM PH 1 SOLAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
39	JNNSM PH 2 SOLAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	NCE TOTAL	**12.86**	**10.27**	**9.69**	**10.33**	**12.78**	**13.22**	**14.37**	**13.28**	**14.18**	**13.71**	**11.85**	**8.70**	**145.25**

S.No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	Others													
40	APPDCL Stage-I	250.96	268.27	242.31	242.31	242.31	242.31	160.10	259.62	160.10	268.27	250.96	268.27	**2855.77**
41	APPDCL Stage-II	179.19	191.55	185.37	172.94	172.94	172.94	172.94	37.07	191.55	191.55	179.19	191.82	**2039.06**
42	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
43	Thermal Powertech Corporation	60.12	62.13	60.12	62.13	62.13	60.12	62.13	35.23	49.68	62.13	58.12	62.13	**696.17**
44	SEIL	146.69	151.58	146.69	151.58	151.58	146.69	151.58	146.69	151.58	151.58	141.80	151.58	**1789.63**
45	HNPCL	227.35	235.21	224.97	232.48	193.90	172.39	225.99	217.11	231.79	232.48	217.46	232.48	**2643.60**
	Others Total	864.32	908.74	859.45	861.44	822.86	794.46	772.74	695.72	784.70	906.00	847.53	906.28	**10024.24**
46	INTERSTATE TRADERS (SHORT TERM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
47	D<>D purchase	386.88	809.72	855.00	859.11	740.98	703.63	376.10	618.53	532.77	479.00	364.03	446.94	**7172.69**
	GRAND TOTAL	**2521.78**	**2615.49**	**2639.90**	**2430.19**	**2508.98**	**2467.23**	**2511.47**	**2324.69**	**2390.69**	**2425.79**	**2352.70**	**2799.08**	**29988.00**

ANNEXURE – 06 (D)

FILING: ENERGY DESPATCH (MU) FOR FY2023-24 – APDISCOMs

S.No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	APGenco-Thermal													
1	**Dr. NTTPS**	698.97	459.59	639.11	100.93	312.25	495.58	663.56	639.11	662.41	667.23	652.37	722.27	6713.39
2	**Dr. NTTPS-IV**	299.70	309.69	299.70	159.84	309.69	299.70	309.69	299.70	309.69	309.69	279.72	309.69	3496.50
3	**Dr. NTTPS-V**	461.45	476.83	461.47	476.83	476.83	461.45	476.83	461.45	476.83	476.83	430.68	476.83	5614.30
4	**RTPP Stage-I**	247.67	0.00	0.00	0.00	0.00	0.00	255.92	0.00	0.00	0.00	58.94	255.92	818.45
5	**RTPP Stage-II**	31.88	0.00	0.00	0.00	0.00	0.00	88.86	0.00	0.00	0.00	0.00	255.92	376.66
6	**RTPP Stage-III**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.28	106.28
7	**RTPP Stage-IV**	366.45	0.00	0.00	0.00	0.00	0.00	378.66	85.76	191.27	0.00	354.23	378.66	1755.02
	APGenco-Thermal Total	**2106.11**	**1246.11**	**1400.28**	**737.60**	**1098.77**	**1256.73**	**2173.52**	**1486.02**	**1640.21**	**1453.75**	**1775.94**	**2505.56**	**18880.60**
	APGenco - Hydel													
8	**Srisailam RCPH**	33.03	8.75	3.89	31.53	249.80	190.93	184.20	57.87	23.07	42.87	60.63	46.32	932.90
9	**NSRCPH**	1.06	0.46	0.35	0.30	13.64	22.24	20.91	21.29	16.60	11.94	6.10	3.76	118.65
10	**NSTPDC PH**	0.99	0.99	0.99	3.96	7.92	12.87	12.87	15.84	15.84	8.91	3.96	3.96	89.10
11	**Upper Sileru**	49.06	29.24	24.14	29.76	31.88	32.40	39.32	36.56	33.28	45.04	48.20	61.72	460.63
12	**Lower Sileru**	95.22	67.81	59.80	91.35	94.53	88.57	90.01	83.00	91.54	92.16	98.73	109.49	1062.21
13	**Donkarayi**	7.35	6.71	5.15	7.85	6.83	9.34	10.56	8.92	9.56	7.91	8.63	8.63	97.43
14	**PABM**	0.00	0.00	0.00	0.03	0.83	0.83	1.20	0.89	0.89	0.40	0.38	0.33	5.79
15	**Mini Hydel (Chettipet)**	0.13	0.00	0.07	0.38	0.30	0.33	0.07	0.05	0.28	0.39	0.28	0.37	2.62
	APGenco Hydel Total	**186.84**	**113.95**	**94.39**	**165.16**	**405.73**	**357.52**	**359.15**	**224.42**	**191.06**	**209.62**	**226.91**	**234.57**	**2769.32**
	Inter State - Hydel													
16	**Machkund AP Share**	26.53	28.29	23.61	26.83	27.50	23.70	23.58	22.78	24.16	26.11	24.46	24.26	301.82
17	**TB Dam AP Share**	2.85	0.44	0.05	5.07	18.34	18.61	17.51	15.90	9.63	12.56	9.64	8.53	119.13
	Inter State - Hydel Total	**29.38**	**28.74**	**23.66**	**31.91**	**45.84**	**42.31**	**41.09**	**38.68**	**33.79**	**38.68**	**34.10**	**32.79**	**420.96**
	APGENCO-TOTAL	**2322.33**	**1388.80**	**1518.33**	**934.67**	**1550.33**	**1656.56**	**2573.76**	**1749.12**	**1865.06**	**1702.05**	**2036.95**	**2772.92**	**22070.87**

S.No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	CG Station													
18	**NTPC(SR) Ramagundam I & II**	204.61	211.43	204.61	211.43	211.43	204.61	190.78	177.96	171.46	211.43	180.98	201.44	2382.19
19	**NTPC(SR) Simhadri Stage-I**	296.94	307.09	296.94	307.09	307.09	296.94	307.09	193.20	237.93	307.09	277.58	307.09	3442.11
20	**NTPC(SR) Simhadri Stage-II**	137.74	142.44	100.94	110.36	142.44	137.74	142.44	137.74	142.44	142.44	128.75	142.44	1607.87
21	**NTPC(SR) Talcher Stage-II**	113.42	116.60	82.66	100.69	99.01	99.09	116.51	112.18	116.07	116.34	109.53	116.87	1298.95
22	**NTPC(SR) Ramagundam III**	47.94	49.54	47.94	49.54	49.54	47.94	49.54	47.94	49.54	10.20	34.91	49.54	534.07
23	**NTPC Kudgi Stage-I**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	**NTECL Vallur**	58.97	0.00	9.74	0.00	0.00	0.00	60.95	58.97	57.60	47.45	55.03	60.95	409.66
25	**NLC Stage-I**	32.34	33.54	32.34	23.79	33.54	21.99	32.60	21.73	32.60	32.94	31.40	33.54	362.36
26	**NLC Stage-II**	56.90	58.47	44.02	58.47	45.81	56.90	45.81	56.01	43.91	52.31	55.11	58.81	632.55
27	**NPC(MAPS)**	4.16	4.37	4.16	0.00	2.84	4.17	4.37	4.16	4.37	4.37	4.04	4.37	45.37
28	**NPC(KAIGA unit I,II,III,IV)**	53.39	72.20	69.60	72.20	72.20	52.76	66.54	69.60	72.20	72.20	67.52	72.20	812.58
29	**NTPL(NLC TamilNadu)**	81.50	0.00	59.72	0.00	0.00	0.00	84.21	81.50	84.21	84.21	78.78	84.21	638.35
30	**NLC NNTPS**	33.26	34.50	33.26	33.94	33.94	32.81	19.42	15.81	19.42	25.81	32.02	34.05	348.23
31	**KKNPP Unit-I**	1.14	1.18	1.14	1.18	1.18	1.14	1.18	1.14	0.57	0.00	0.02	1.18	11.02
32	**NLC TPS- I Expn.**	1.32	1.35	1.32	1.36	1.35	0.90	0.70	1.18	1.29	1.32	1.23	1.32	14.63
33	**NLC TPS- II Expn.**	1.16	0.61	0.91	0.86	1.20	1.16	1.20	0.58	0.76	1.03	1.12	1.19	11.78
34	**JNNSM Ph-1 Thermal**	25.34	26.17	20.68	25.18	22.26	24.50	25.32	24.21	24.52	24.48	22.92	25.76	291.34
	CGS TOTAL	**1150.13**	**1059.48**	**1009.98**	**996.06**	**1023.82**	**982.64**	**1148.65**	**1003.92**	**1058.88**	**1133.62**	**1080.93**	**1194.94**	**12843.06**
	NCE													
35	**NCE- Others**	25.81	26.27	22.55	26.66	32.65	35.62	37.63	28.48	31.67	33.81	29.56	21.58	352.29
36	**NCE Solar**	423.00	378.61	391.22	333.11	364.36	370.05	356.13	239.25	356.30	391.34	406.10	422.05	4431.52
37	**NCE WIND**	342.20	879.46	936.93	1186.81	1030.08	852.34	181.68	248.38	250.07	240.35	262.98	266.48	6677.77
38	**JNNSM PH 1 SOLAR**	4.12	5.17	2.52	2.14	0.88	2.71	2.25	1.76	1.16	4.85	5.74	5.88	39.19
39	**JNNSM PH 2 SOLAR**	209.64	284.31	231.21	224.20	141.46	227.41	208.88	222.42	107.99	297.06	223.43	305.63	2683.64

S.No.	Generating Station	Energy Dispatch (MU)												
		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	NCE TOTAL	**1004.77**	**1573.83**	**1584.44**	**1772.92**	**1569.43**	**1488.14**	**786.57**	**740.28**	**747.19**	**967.41**	**927.82**	**1021.62**	**14184.41**
	Others													
40	**APPDCL Stage-I**	692.88	740.67	668.99	668.99	668.99	668.99	442.02	716.77	442.01	740.67	692.88	740.67	7884.52
41	**APPDCL Stage-II**	494.73	528.85	511.79	477.48	477.48	477.48	477.48	102.35	528.85	528.85	494.73	529.60	5629.67
42	**Godavari Gas Power Plant**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	**Thermal Powertech Corporation**	165.99	171.53	165.99	171.53	171.53	166.00	171.53	97.27	137.16	171.53	160.46	171.53	1922.07
44	**SEIL**	405.00	418.50	405.00	418.50	418.50	405.00	418.50	405.00	418.50	418.50	391.50	418.50	4941.00
45	**HNPCL**	627.71	649.38	621.11	641.84	535.34	475.96	623.94	599.43	639.96	641.84	600.37	641.84	7298.72
	Others - Total	**2386.31**	**2508.93**	**2372.88**	**2378.34**	**2271.84**	**2193.43**	**2133.46**	**1920.82**	**2166.49**	**2501.40**	**2339.95**	**2502.14**	**27675.98**
46	**INTERSTATE TRADERS (SHORT TERM)**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	**D<>D**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
	GRAND TOTAL	**6863.54**	**6531.03**	**6485.63**	**6082.00**	**6415.43**	**6320.77**	**6642.45**	**5414.14**	**5837.61**	**6304.47**	**6385.65**	**7491.62**	**76774.32**

ANNEXURE – 07 (A)
APPROVED: ENERGY DESPATCH (MU) FOR FY2023-24 – APSPDCL

S. No.	Sources	Variable cost per unit	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	FY TOTAL
1	Srisailam RCPH	0	17.41	7.59	5.63	16.81	105.07	81.27	78.54	27.46	13.38	21.39	28.57	22.79	425.90
2	NSRCPH	0	0.43	0.19	0.14	0.12	5.52	8.99	8.46	8.61	6.71	4.83	2.47	1.52	47.98
3	NSTPDC PH	0	0.40	0.40	0.40	1.60	3.20	5.20	5.20	6.41	6.41	3.60	1.60	1.60	36.02
4	Upper Sileru	0	23.89	15.88	13.82	16.09	16.95	17.16	19.96	18.84	17.51	22.27	23.55	29.01	234.91
5	Lower Sileru	0	42.56	31.48	28.24	41.00	42.28	39.87	40.45	37.62	41.07	41.32	43.98	48.33	478.20
6	Donkarayi	0	2.97	2.71	2.08	3.17	2.76	3.78	4.27	3.61	3.87	3.20	3.49	3.49	39.40
7	PABM	0	0.00	0.00	0.00	0.01	0.34	0.34	0.49	0.36	0.36	0.16	0.15	0.13	2.33
8	Minihydel(Chettipet)	0	0.05	0.00	0.03	0.15	0.12	0.13	0.03	0.02	0.11	0.16	0.11	0.15	1.06
9	Machkund AP Share	0	12.03	12.75	10.85	12.16	12.41	10.89	10.84	10.51	11.08	11.86	11.19	11.11	137.67
10	TB Dam AP Share	0	1.15	0.18	0.02	4.28	9.65	9.76	9.32	8.66	6.13	7.31	3.89	3.45	63.78
11	NPC(MAPS)	2.59	1.68	1.77	1.68	0	1.15	1.68	1.77	1.68	1.77	1.77	1.63	1.77	18.35
12	NPC(KAIGA unit I,II,III,IV)	3.41	21.59	29.2	28.15	29.2	29.2	21.34	26.91	28.15	29.2	29.2	27.31	29.2	328.65
13	KKNPP Unit-I	4.41	0.46	0.48	0.46	0.48	0.48	0.46	0.48	0.46	0.23	0	0.01	0.48	4.48
14	NCE- Others	5.08	10.44	10.62	9.12	10.78	13.2	14.4	15.22	11.52	12.81	13.67	11.95	8.73	142.46
15	NCE Solar	4.22	171.06	153.11	158.21	134.71	147.35	149.65	144.02	96.75	144.09	158.26	164.23	170.68	1792.12
16	NCE WIND	4.63	138.39	355.65	378.89	479.95	416.56	344.69	73.47	100.44	101.13	97.2	106.35	107.76	2700.48
17	JNNSM PH 1 SOLAR	10.76	1.67	2.09	1.02	0.87	0.36	1.1	0.91	0.71	0.47	1.96	2.32	2.38	15.86
18	JNNSM PH 2 SOLAR	4.39	84.78	114.97	93.5	90.67	57.21	91.96	84.47	89.95	43.67	120.13	90.36	123.6	1085.27
19	NTPC Kudgi Stage-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20	NTECL Valluru	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
21	NTPL(NLC TamilNadu)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	NLC NNTPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	NTPC(SR) Talcher Stage-II	1.75	45.87	47.15	33.42	40.72	40.04	40.08	47.12	45.37	46.94	47.04	44.29	47.26	525.30
24	SEIL P 2	2.17	151.66	151.66	151.66	151.66	151.66	151.66	151.66	72.53	151.66	151.66	151.66	151.66	1740.79
25	Thermal Powertech Corporation (SEIL P1)	2.24	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	692.40
26	NLC TPS- I Expn.	2.45	0.53	0.55	0.53	0.55	0.55	0.36	0.28	0.48	0.52	0.53	0.5	0.53	5.91
27	Godavari Gas Power Plant	2.56	18.02	18.65	18.02	18.65	18.65	18.02	18.65	18.02	18.65	18.65	17.39	18.65	220.02
28	NLC TPS- II Expn.	2.62	0.47	0.25	0.37	0.35	0.49	0.47	0.49	0.23	0.31	0.42	0.45	0.48	4.78
29	NLC Stage-I	2.65	13.08	13.56	13.08	9.62	13.56	8.89	13.18	8.79	13.18	13.32	12.7	13.56	146.52
30	NLC Stage-II	2.65	23.01	23.65	17.8	23.65	18.53	23.01	18.53	22.65	17.76	21.15	22.29	23.78	255.81

S. No.	Sources	Variable cost per unit	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	FY TOTAL
31	NTPC(SR) Simhadri Stage-II	2.75	55.7	57.6	40.82	44.63	57.6	55.7	57.6	55.7	57.6	57.6	52.07	57.6	650.22
32	NTPC(SR) Ramagundam III	2.78	19.39	20.03	19.39	20.03	20.03	19.39	20.03	19.39	20.03	4.12	14.12	20.03	215.98
33	HNPCL	2.81	228.46	236.35	226.06	233.6	194.84	173.23	227.09	218.17	232.92	233.6	218.51	233.6	2656.43
34	NTPC(SR) Ramagundam I & II	2.83	82.74	85.5	82.74	85.5	85.5	82.74	77.15	71.97	69.34	85.5	73.19	81.46	963.33
35	JNNSM Ph-1 Thermal	2.88	10.25	10.58	8.36	10.18	9	9.91	10.24	9.79	9.92	9.9	9.27	10.42	117.82
36	NTPC(SR) Simhadri Stage-I	2.99	120.09	124.19	120.09	124.19	124.19	120.09	124.19	78.13	96.22	124.19	112.25	124.19	1392.01
37	Dr. NTTPS-V	3.08	0	0	0	0	0	187.64	187.64	187.64	187.64	187.64	187.64	187.64	1313.48
38	APPDCL Stage-I	3.14	280.2	299.53	270.54	270.54	270.54	270.54	178.75	289.86	178.75	299.53	280.2	299.53	3188.51
39	APPDCL Stage-II	3.14	0	0	206.97	193.09	193.09	193.09	193.09	41.39	213.87	213.87	200.07	214.17	1862.70
40	Dr. NTTPS-IV	3.15	112.02	115.66	112.02	115.66	115.66	112.02	115.66	55.81	115.66	115.66	107.97	115.66	1309.46
41	Dr. NTTPS	3.34	260.43	269.73	260.43	105.88	223.23	110.42	223.23	236.98	259.85	269.73	251.13	269.73	2740.77
42	RTPP Stage-IV	3.66	121.46	126.29	66.45	0	52.33	0	29.69	121.46	0	21.93	116.63	126.29	782.53
43	RTPP Stage-I	3.86	75.22	78.05	0	0	0	0	55	41.65	0	0	71.98	78.05	399.95
44	RTPP Stage-II	3.86	88.85	37.92	0	0	0	0	91.95	0	0	0	32.82	91.95	343.49
45	RTPP Stage-III	3.86	42.7	0	0	0	0	0	44.25	0	0	0	0	44.25	131.20
46	Short term purchases		272.37	0	0	0	0	0	72	0	0	0		58.83	402.75
47	D<>D Purchase		0	0	0	0	0	0	0	0	0	0	0	0	0.00
	Purchase from CPDCL		0	0	0	0	0	0	0	0	0	0	0	0	0.00
	Purchase from EPDCL		0	0	0	0	0	0	0	0	0	0	0	0	0.00
48	Total Despatch		2611.19	2513.66	2438.69	2348.23	2510.98	2437.62	2539.50	2105.46	2188.50	2472.04	2558.00	2893.21	29617.08
49	D<>D Sale		0.00	-262.59	-177.70	0.00	-22.96	0.00	0.00	-286.48	-109.23	0.00	0.00	0.00	-858.96
	Sale to CPDCL		0.00	-33.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-33.51
	Sale to EPDCL		0.00	-229.08	-177.70	0.00	-22.96	0.00	0.00	-286.48	-109.23	0.00	0.00	0.00	-825.45
50	Swapping power to be returned		0	0	-4.70	-66.97	-66.28	-66.08	0	0	0	0	0	0.00	-204.02
51	Net Despatch		2611.19	2251.07	2256.29	2281.27	2421.74	2371.54	2539.50	1818.98	2079.27	2472.04	2558.00	2893.21	28554.09

ANNEXURE – 07 (B)

APPROVED: ENERGY DESPATCH (MU) FOR FY2023-24 – APCPDCL

S. No.	Sources	Variable cost per unit	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	FY TOTAL
1	Srisailam RCPH	0.00	10.05	4.38	3.25	9.70	60.64	46.90	45.33	15.85	7.72	12.35	16.49	13.15	245.81
2	NSRCPH	0.00	0.25	0.11	0.08	0.07	3.18	5.19	4.88	4.97	3.87	2.79	1.42	0.88	27.69
3	NSTPDC PH	0.00	0.23	0.23	0.23	0.92	1.85	3.00	3.00	3.70	3.70	2.08	0.92	0.92	20.78
4	Upper Sileru	0.00	13.79	9.16	7.97	9.29	9.78	9.90	11.52	10.87	10.11	12.85	13.59	16.75	135.58
5	Lower Sileru	0.00	24.56	18.17	16.30	23.66	24.40	23.01	23.35	21.71	23.71	23.85	25.38	27.89	275.99
6	Donkarayi	0.00	1.72	1.57	1.20	1.83	1.59	2.18	2.46	2.08	2.23	1.85	2.01	2.01	22.73
7	PABM	0.00	0.00	0.00	0.00	0.01	0.19	0.19	0.28	0.21	0.21	0.09	0.09	0.08	1.35
8	Minihydel(Chettipet)	0.00	0.03	0.00	0.02	0.09	0.07	0.08	0.02	0.01	0.07	0.09	0.07	0.09	0.64
9	Machkund AP Share	0.00	6.95	7.36	6.26	7.02	7.17	6.28	6.25	6.07	6.39	6.85	6.46	6.41	79.47
10	TB Dam AP Share	0.00	0.67	0.10	0.01	2.47	5.57	5.63	5.38	5.00	3.54	4.22	2.25	1.99	36.83
11	NPC(MAPS)	2.59	0.97	1.02	0.97	0.00	0.66	0.97	1.02	0.97	1.02	1.02	0.94	1.02	10.58
12	NPC(KAIGA unit I,II,III,IV)	3.41	12.46	16.85	16.24	16.85	16.85	12.31	15.53	16.24	16.85	16.85	15.76	16.85	189.64
13	KKNPP Unit-I	4.41	0.27	0.28	0.27	0.28	0.28	0.27	0.28	0.27	0.13	0.00	0.00	0.28	2.61
14	NCE- Others	5.08	6.02	6.13	5.26	6.22	7.62	8.31	8.78	6.65	7.39	7.89	6.90	5.04	82.21
15	NCE Solar	4.22	98.73	88.37	91.31	77.75	85.04	86.37	83.12	55.84	83.16	91.34	94.78	98.51	1034.32
16	NCE WIND	4.63	79.87	205.27	218.68	277.00	240.42	198.94	42.40	57.97	58.37	56.10	61.38	62.20	1558.60
17	JNNSM PH 1 SOLAR	10.76	0.96	1.21	0.59	0.50	0.21	0.63	0.53	0.41	0.27	1.13	1.34	1.37	9.15
18	JNNSM PH 2 SOLAR	4.39	48.93	66.36	53.96	52.33	33.02	53.08	48.75	51.91	25.20	69.33	52.15	71.33	626.35
19	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	NTPL(NLC TamilNadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	NTPC(SR) Talcher Stage-II	1.75	26.47	27.21	19.29	23.50	23.11	23.13	27.19	26.18	27.09	27.15	25.56	27.28	303.16
24	SEIL P 2	2.17	87.53	87.53	87.53	87.53	87.53	87.53	87.53	41.86	87.53	87.53	87.53	87.53	1004.69
25	Thermal Powertech Corporation (SEIL P1)	2.24	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	399.60
26	NLC TPS- I Expn.	2.45	0.31	0.32	0.31	0.32	0.32	0.21	0.16	0.28	0.30	0.31	0.29	0.31	3.44
27	Godavari Gas Power Plant	2.56	10.40	10.76	10.40	10.76	10.76	10.40	10.76	10.40	10.76	10.76	10.03	10.76	126.95

S. No.	Sources	Variable cost per unit	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	FY TOTAL
28	NLC TPS- II Expn.	2.62	0.27	0.14	0.21	0.20	0.28	0.27	0.28	0.14	0.18	0.24	0.26	0.28	2.75
29	NLC Stage-I	2.65	7.55	7.83	7.55	5.55	7.83	5.13	7.61	5.07	7.61	7.69	7.33	7.83	84.58
30	NLC Stage-II	2.65	13.28	13.65	10.27	13.65	10.69	13.28	10.69	13.07	10.25	12.21	12.86	13.73	147.63
31	NTPC(SR) Simhadri Stage-II	2.75	32.15	33.25	23.56	25.76	33.25	32.15	33.25	32.15	33.25	33.25	30.05	33.25	375.32
32	NTPC(SR) Ramagundam III	2.78	11.19	11.56	11.19	11.56	11.56	11.19	11.56	11.19	11.56	2.38	8.15	11.56	124.65
33	HNPCL	2.81	131.86	136.41	130.47	134.82	112.45	99.98	131.06	125.92	134.43	134.82	126.11	134.82	1533.15
34	NTPC(SR) Ramagundam I &	2.83	47.76	49.35	47.76	49.35	49.35	47.76	44.53	41.54	40.02	49.35	42.24	47.02	556.03
35	JNNSM Ph-1 Thermal	2.88	5.91	6.11	4.83	5.87	5.20	5.72	5.91	5.65	5.72	5.71	5.35	6.01	67.99
36	NTPC(SR) Simhadri Stage-I	2.99	69.31	71.67	69.31	71.67	71.67	69.31	71.67	45.09	55.53	71.67	64.79	71.67	803.36
37	Dr. NTTPS-V	3.08	0.00	0.00	0.00	0.00	0.00	108.30	108.30	108.30	108.30	108.30	108.30	108.30	758.10
38	APPDCL Stage-I	3.14	161.72	172.87	156.14	156.14	156.14	156.14	103.17	167.29	103.17	172.87	161.72	172.87	1840.24
39	APPDCL Stage-II	3.14	0.00	0.00	119.45	111.44	111.44	111.44	111.44	23.89	123.43	123.43	115.47	123.61	1075.05
40	Dr. NTTPS-IV	3.15	64.65	66.75	64.65	66.75	66.75	64.65	66.75	32.21	66.75	66.75	62.32	66.75	755.73
41	Dr. NTTPS	3.34	150.31	155.68	150.31	9.52	122.27	73.93	128.84	136.77	155.68	41.51	144.94	155.68	1425.43
42	RTPP Stage-IV	3.66	70.10	72.89	70.10	0.00	0.00	0.00	17.14	70.10	11.41	0.00	1.11	72.89	385.74
43	RTPP Stage-I	3.86	43.41	45.05	31.90	0.00	0.00	0.00	31.74	7.69	0.00	0.00	0.00	45.05	204.84
44	RTPP Stage-II	3.86	51.28	53.07	0.00	0.00	0.00	0.00	53.07	0.00	0.00	0.00	0.00	53.07	210.49
45	RTPP Stage-III	3.86	24.64	25.54	0.00	0.00	0.00	0.00	25.54	0.00	0.00	0.00	0.00	22.08	97.79
46	Short term purchases		221.38	0.00	0.00	0.00	0.00	0.00	62.96	0.00	0.00	0.00	0.00	0.00	284.34
47	D<>D Purchase		0.00	33.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.51
	Purchase from SPDCL		0.00	33.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.51
	Purchase from EPDCL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	Total Despatch		1571.23	1541.00	1471.15	1303.69	1412.44	1417.08	1487.34	1198.82	1280.21	1299.91	1349.66	1632.41	16964.94
49	D<>D Sale		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	Sale to SPDCL		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	Sale to EPDCL		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
50	Swapping power to be returned		**0.00**	**0.00**	**-2.71**	**-38.65**	**-38.25**	**-38.14**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**-117.75**
51	Net Despatch		**1571.23**	**1541.00**	**1468.44**	**1265.04**	**1374.19**	**1378.94**	**1487.34**	**1198.82**	**1280.21**	**1299.91**	**1349.66**	**1632.41**	**16847.19**

ANNEXURE – 07 (C)

APPROVED: ENERGY DESPATCH (MU) FOR FY2023-24 – APEPDCL

S. No.	Sources	Variable cost per unit	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	FY TOTAL
1	Srisailam RCPH	0	15.59	6.8	5.04	15.05	94.11	72.79	70.35	24.59	11.99	19.16	25.59	20.41	381.47
2	NSRCPH	0	0.38	0.17	0.13	0.11	4.94	8.06	7.57	7.71	6.01	4.32	2.21	1.36	42.97
3	NSTPDC PH	0	0.36	0.36	0.36	1.43	2.87	4.66	4.66	5.74	5.74	3.23	1.43	1.43	32.27
4	Upper Sileru	0	21.4	14.22	12.37	14.41	15.18	15.37	17.87	16.87	15.69	19.94	21.09	25.99	210.40
5	Lower Sileru	0	38.12	28.19	25.29	36.72	37.87	35.71	36.23	33.69	36.79	37.01	39.39	43.29	428.30
6	Donkarayi	0	2.66	2.43	1.87	2.84	2.47	3.38	3.82	3.23	3.46	2.87	3.13	3.13	35.29
7	PABM	0	0.00	0.00	0.00	0.01	0.3	0.3	0.43	0.32	0.32	0.14	0.14	0.12	2.08
8	Minihydel (Chettipet)	0	0.05	0.00	0.03	0.14	0.11	0.12	0.03	0.02	0.1	0.14	0.1	0.13	0.97
9	Machkund AP Share	0	10.78	11.42	9.72	10.89	11.12	9.75	9.71	9.42	9.92	10.62	10.02	9.95	123.32
10	TB Dam AP Share	0	1.03	0.16	0.02	3.83	8.64	8.74	8.34	7.75	5.49	6.55	3.49	3.09	57.13
11	NPC(MAPS)	2.59	1.51	1.58	1.51	0.00	1.03	1.51	1.58	1.51	1.58	1.58	1.46	1.58	16.43
12	NPC(KAIGA unit I,II,III,IV)	3.41	19.34	26.15	25.21	26.15	26.15	19.11	24.1	25.21	26.15	26.15	24.46	26.15	294.33
13	KKNPP Unit-I	4.41	0.41	0.43	0.41	0.43	0.43	0.41	0.43	0.41	0.21	0.00	0.01	0.43	4.01
14	NCE- Others	5.08	9.35	9.51	8.17	9.66	11.82	12.90	13.63	10.32	11.47	12.25	10.71	7.82	127.61
15	NCE Solar	4.22	153.21	137.13	141.70	120.65	131.97	134.03	128.99	86.66	129.05	141.74	147.09	152.87	1605.09
16	NCE WIND	4.63	123.94	318.54	339.36	429.86	373.09	308.72	65.8	89.96	90.58	87.05	95.25	96.52	2418.67
17	JNNSM PH 1 SOLAR	10.76	1.49	1.87	0.91	0.78	0.32	0.98	0.81	0.64	0.42	1.76	2.08	2.13	14.19
18	JNNSM PH 2 SOLAR	4.39	75.93	102.98	83.74	81.21	51.24	82.37	75.66	80.56	39.11	107.60	80.93	110.70	972.03
19	NTPC Kudgi Stage-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20	NTECL Valluru	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
21	NTPL(NLC TamilNadu)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	NLC NNTPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	NTPC(SR) Talcher Stage-II	1.75	41.08	42.23	29.94	36.47	35.86	35.89	42.2	40.63	42.04	42.13	39.67	42.33	470.47
24	SEIL P 2	2.17	135.84	135.84	135.84	135.84	135.84	135.84	135.84	64.97	135.84	135.84	135.84	135.84	1559.21
25	Thermal Powertech Corporatio (SEIL P1)	2.24	51.68	51.68	51.68	51.68	51.68	51.68	51.68	51.68	51.68	51.68	51.68	51.68	620.16
26	NLC TPS- I Expn.	2.45	0.48	0.49	0.48	0.49	0.49	0.33	0.25	0.43	0.47	0.48	0.45	0.48	5.32
27	Godavari Gas Power Plant	2.56	16.14	16.7	16.14	16.7	16.7	16.14	16.7	16.14	16.7	16.7	15.57	16.7	197.03

S. No.	Sources	Variable cost per unit	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	FY TOTAL
28	NLC TPS- II Expn.	2.62	0.42	0.22	0.33	0.31	0.43	0.42	0.43	0.21	0.28	0.37	0.41	0.43	4.26
29	NLC Stage-I	2.65	11.71	12.15	11.71	8.62	12.15	7.96	11.81	7.87	11.81	11.93	11.37	12.15	131.24
30	NLC Stage-II	2.65	20.61	21.18	15.94	21.18	16.59	20.61	16.59	20.29	15.9	18.95	19.96	21.3	229.10
31	NTPC(SR) Simhadri Stage-II	2.75	49.89	51.59	36.564	39.97	51.59	49.89	51.59	49.89	51.59	51.59	46.63	51.59	582.37
32	NTPC(SR) Ramagundam III	2.78	17.36	17.94	17.36	17.94	17.94	17.36	17.94	17.36	17.94	3.69	12.64	17.94	193.41
33	HNPCL	2.81	204.62	211.68	202.47	209.23	174.51	155.15	203.39	195.4	208.61	209.23	195.71	209.23	2379.23
34	NTPC(SR) Ramagundam I & II	2.83	74.11	76.58	74.11	76.58	76.58	74.11	69.10	64.46	62.10	76.58	65.55	72.96	862.82
35	JNNSM Ph-1 Thermal	2.88	9.18	9.48	7.49	9.12	8.06	8.87	9.17	8.77	8.88	8.87	8.31	9.33	105.53
36	NTPC(SR) Simhadri Stage-I	2.99	107.56	111.23	107.56	111.23	111.23	107.56	111.23	69.98	86.18	111.23	100.54	111.23	1246.76
37	Dr. NTTPS-V	3.08	0	0	0	0	0.00	168.06	168.06	168.06	168.06	168.06	168.06	168.06	1176.42
38	APPDCL Stage-I	3.14	250.96	268.27	242.31	242.31	242.31	242.31	160.1	259.61	160.1	268.27	250.96	268.27	2855.78
39	APPDCL Stage-II	3.14	0	0	185.37	172.94	172.94	172.94	172.94	37.07	191.55	191.55	179.19	191.82	1668.31
40	Dr. NTTPS-IV	3.15	100.33	103.59	100.33	103.59	103.59	100.33	103.59	49.98	103.59	103.59	96.71	103.59	1172.81
41	Dr. NTTPS	3.34	233.26	241.59	233.26	241.59	199.93	212.25	199.93	212.25	241.59	241.59	224.93	241.59	2723.75
42	RTPP Stage-IV	3.66	108.79	113.11	108.79	113.11	113.11	108.79	26.59	108.79	113.11	113.11	104.46	113.11	1244.87
43	RTPP Stage-I	3.86	67.37	69.90	67.37	49.26	69.90	67.37	49.26	67.37	69.9	69.9	64.47	69.9	781.97
44	RTPP Stage-II	3.86	79.576	82.35	79.58	44.76	82.35	19.96	82.35	58.79	61.57	14.824	60.27	82.35	748.73
45	RTPP Stage-III	3.86	38.24	39.63	38.24	0.00	39.63	0.00	39.63	38.24	39.65	0	0.00	39.63	312.89
46	Short term purchases		380.86	0.00	0.00	0.00	0.00	0.00	269.00	0.00	0.00	0.00	**0.00**	214.57	864.44
47	**D<>D Purchase**		**0.00**	**229.08**	**177.70**	**0.00**	**22.96**	**0.00**	**0.00**	**286.48**	**109.23**	**0.00**	**0.00**	**0.00**	825.45
	Purchase from CPDCL		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	0.00
	Purchase from SPDCL		**0.00**	229.08	177.70	**0.00**	**22.96**	**0.00**	**0.00**	**286.48**	109.23	**0.00**	**0.00**	0.00	825.45
48	**Total Despatch**		**2475.62**	**2568.46**	**2596.37**	**2457.08**	**2530.05**	**2492.71**	**2479.42**	**2299.33**	**2362.44**	**2392.28**	**2321.95**	**2753.18**	**29728.89**
49	**D<>D Sale**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	Sale to CPDCL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
	Sale to SPDCL		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
50	Swapping power to be returned		0.00	0.00	-4.20	-59.98	-59.36	-59.18	0.00	0.00	0.00	0.00	0.00	0.00	-182.73
51	**Net Despatch**		**2475.62**	**2568.46**	**2592.17**	**2397.10**	**2470.69**	**2433.53**	**2479.42**	**2299.33**	**2362.44**	**2392.28**	**2321.95**	**2753.18**	**29546.16**

ANNEXURE – 07 (D)
APPROVED: ENERGY DESPATCH (MU) FOR FY2023-24 – DISCOMS (TOTAL)

S. No.	Sources	Variable cost per unit	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	FY TOTAL
1	Srisailam RCPH	0	43.05	18.77	13.91	41.56	259.82	200.96	194.22	67.90	33.09	52.90	70.66	56.35	1053.18
2	NSRCPH	0	1.06	0.47	0.35	0.30	13.64	22.24	20.91	21.29	16.59	11.94	6.10	3.76	118.64
3	NSTPDC PH	0	0.99	0.99	0.99	3.95	7.92	12.86	12.86	15.85	15.85	8.91	3.96	3.95	89.08
4	Upper Sileru	0	59.08	39.26	34.15	39.79	41.91	42.43	49.35	46.58	43.31	55.06	58.23	71.75	580.89
5	Lower Sileru	0	105.24	77.84	69.82	101.38	104.55	98.59	100.03	93.02	101.57	102.18	108.75	119.51	1182.49
6	Donkarayi	0	7.35	6.71	5.15	7.84	6.82	9.34	10.55	8.92	9.56	7.92	8.63	8.63	97.42
7	PABM	0	0.00	0.00	0.00	0.03	0.83	0.83	1.20	0.89	0.89	0.39	0.38	0.33	5.76
8	Minihydel(Chettipet)	0	0.13	0.00	0.08	0.38	0.30	0.33	0.08	0.05	0.28	0.39	0.28	0.37	2.67
9	Machkund AP Share	0	29.76	31.53	26.82	30.07	30.70	26.92	26.80	26.00	27.39	29.33	27.67	27.47	340.45
10	TB Dam AP Share	0	2.85	0.44	0.05	10.58	23.86	24.13	23.04	21.41	15.16	18.08	9.63	8.53	157.74
11	NPC(MAPS)	2.59	4.16	4.37	4.16	0.00	2.84	4.16	4.37	4.16	4.37	4.37	4.03	4.37	45.36
12	NPC(KAIGA unit I,II,III,IV)	3.41	53.39	72.20	69.60	72.20	72.20	52.76	66.54	69.60	72.20	72.20	67.53	72.20	812.62
13	KKNPP Unit-I	4.41	1.14	1.19	1.14	1.19	1.19	1.14	1.19	1.14	0.57	0.00	0.02	1.19	11.10
14	NCE- Others	5.08	25.81	26.26	22.55	26.66	32.64	35.61	37.63	28.49	31.67	33.81	29.56	21.59	352.28
15	NCE Solar	4.22	423.00	378.61	391.22	333.11	364.36	370.05	356.13	239.25	356.30	391.34	406.10	422.06	4431.53
16	NCE WIND	4.63	342.20	879.46	936.93	1186.81	1030.07	852.35	181.67	248.37	250.08	240.35	262.98	266.48	6677.75
17	JNNSM PH 1 SOLAR	10.76	4.12	5.17	2.52	2.15	0.89	2.71	2.25	1.76	1.16	4.85	5.74	5.88	39.20
18	JNNSM PH 2 SOLAR	4.39	209.64	284.31	231.20	224.21	141.47	227.41	208.88	222.42	107.98	297.06	223.44	305.63	2683.65
19	NTPC Kudgi Stage-I	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	NTECL Valluru	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	NTPL(NLC TamilNadu)	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	NLC NNTPS	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	NTPC(SR) Talcher Stage-II	1.75	113.42	116.59	82.65	100.69	99.01	99.10	116.51	112.18	116.07	116.32	109.52	116.87	1298.93
24	SEIL P 2	2.17	375.03	375.03	375.03	375.03	375.03	375.03	375.03	179.36	375.03	375.03	375.03	375.03	4304.70
25	Thermal Powertech Corporation (SEIL P1)	2.24	142.68	142.68	142.68	142.68	142.68	142.68	142.68	142.68	142.68	142.68	142.68	142.68	1712.16

S. No.	Sources	Variable cost per unit	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	FY TOTAL
26	NLC TPS- I Expn.	2.45	1.32	1.36	1.32	1.36	1.36	0.90	0.69	1.19	1.29	1.32	1.24	1.32	14.67
27	Godavari Gas Power Plant	2.56	44.56	46.11	44.56	46.11	46.11	44.56	46.11	44.56	46.11	46.11	42.99	46.11	544.00
28	NLC TPS- II Expn.	2.62	1.16	0.61	0.91	0.86	1.20	1.16	1.20	0.58	0.77	1.03	1.12	1.19	11.79
29	NLC Stage-I	2.65	32.34	33.54	32.34	23.79	33.54	21.98	32.60	21.73	32.60	32.94	31.40	33.54	362.34
30	NLC Stage-II	2.65	56.90	58.48	44.01	58.48	45.81	56.90	45.81	56.01	43.91	52.31	55.11	58.81	632.54
31	NTPC(SR) Simhadri Stage-II	2.75	137.74	142.44	100.94	110.36	142.44	137.74	142.44	137.74	142.44	142.44	128.75	142.44	1607.91
32	NTPC(SR) Ramagundam III	2.78	47.94	49.53	47.94	49.53	49.53	47.94	49.53	47.94	49.53	10.19	34.91	49.53	534.04
33	HNPCL	2.81	564.94	584.44	559.00	577.65	481.80	428.36	561.54	539.49	575.96	577.65	540.33	577.65	6568.81
34	NTPC(SR) Ramagundam I & II	2.83	204.61	211.43	204.61	211.43	211.43	204.61	190.78	177.97	171.46	211.43	180.98	201.44	2382.19
35	JNNSM Ph-1 Thermal	2.88	25.34	26.17	20.68	25.17	22.26	24.50	25.32	24.21	24.52	24.48	22.93	25.76	291.34
36	NTPC(SR) Simhadri Stage-I	2.99	296.96	307.09	296.96	307.09	307.09	296.96	307.09	193.20	237.93	307.09	277.58	307.09	3442.13
37	Dr. NTTPS-V	3.08	0.00	0.00	0.00	0.00	0.00	464.00	464.00	464.00	464.00	464.00	464.00	464.00	3248.00
38	APPDCL Stage-I	3.14	692.88	740.67	668.99	668.99	668.99	668.99	442.02	716.76	442.02	740.67	692.88	740.67	7884.53
39	APPDCL Stage-II	3.14	0.00	0.00	511.79	477.47	477.47	477.47	477.47	102.35	528.85	528.85	494.73	529.60	4606.06
40	Dr. NTTPS-IV	3.15	277.00	286.00	277.00	286.00	286.00	277.00	286.00	138.00	286.00	286.00	267.00	286.00	3238.00
41	Dr. NTTPS	3.34	644.00	667.00	644.00	356.99	545.43	396.60	552.00	586.00	657.12	552.83	621.00	667.00	6889.96
42	RTPP Stage-IV	3.66	300.35	312.29	245.34	113.11	165.44	108.79	73.42	300.35	124.52	135.04	222.20	312.29	2413.14
43	RTPP Stage-I	3.86	186.00	193.00	99.27	49.26	69.90	67.37	136.00	116.71	69.90	69.90	136.45	193.00	1386.76
44	RTPP Stage-II	3.86	219.71	173.34	79.58	44.76	82.35	19.96	227.37	58.79	61.57	14.82	93.08	227.37	1302.70
45	RTPP Stage-III	3.86	105.58	65.17	38.24	0.00	39.63	0.00	109.42	38.24	39.65	0.00	0	105.96	541.88
46	Short term purchases		874.61	0.00	0.00	0.00	0.00	0.00	404	0.00	0.00	0.00	0.00	273.40	1551.53
47	**D<>D Purchases SPDCL**		0.00	262.59	177.70	0.00	22.96	0.00	0.00	286.48	109.23	0.00	0.00	0.00	858.96
48	**Total Despatch**		**6658.04**	**6623.12**	**6506.21**	**6109.00**	**6453.47**	**6347.41**	**6506.26**	**5603.61**	**5831.15**	**6164.22**	**6229.60**	**7278.80**	**76310.91**
49	**D<>D Sale**		0.00	-262.59	-177.70	0.00	-22.96	0.00	0.00	-286.48	-109.23	0.00	0.00	0.00	-858.96
50	Swapping power to be returned		0.00	0.00	-11.60	-165.60	-163.90	-163.40	0.00	0.00	0.00	0.00	0.00	0.00	-504.50
51	**Net Despatch**		**6658.04**	**6360.53**	**6316.90**	**5943.40**	**6266.61**	**6184.01**	**6506.26**	**5317.13**	**5721.92**	**6164.22**	**6229.60**	**7278.80**	**74947.44**

ANNEXURE – 08 (A)

FILING: STATION WISE POWER PURCHASE COST FOR FY2023-24 – APSPDCL

S.No.	Generating Station	Dispatch	Cost (Rs. Crs.)					Unit Cost (Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentives	Others	Total
	AP Genco-Thermal											
1	Dr. NTTPS	2714.89	295.95	906.77	0	0	1202.72	1.09	3.34	0.00	0.00	4.43
2	Dr. NTTPS-IV	1413.98	116.79	445.41	0	0	562.2	0.83	3.15	0.00	0.00	3.98
3	Dr. NTTPS-V	2270.42	632.64	699.29	0	0	1331.93	2.79	3.08	0.00	0.00	5.87
4	RTPP Stage-I	330.98	110.94	127.76	0	0	238.7	3.35	3.86	0.00	0.00	7.21
5	RTPP Stage-II	152.32	109.12	58.8	0	0	167.92	7.16	3.86	0.00	0.00	11.02
6	RTPP Stage-III	42.98	69.56	16.59	0	0	86.15	16.18	3.86	0.00	0.00	20.04
7	RTPP Stage-IV	709.73	298.33	259.76	0	0	558.09	4.20	3.66	0.00	0.00	7.86
	APGenco-Thermal Total	**7635.3**	**1633.33**	**2514.38**	**0**	**0**	**4147.71**	**2.14**	**3.29**	**0.00**	**0.00**	**5.43**
	APGenco - Hydel											
8	Srisailam RCPH	377.26	93.68	0	0	0	93.68	2.48	0.00	0.00	0.00	2.48
9	NSRCPH	47.98	10.76	0	0	0	10.76	2.24	0.00	0.00	0.00	2.24
10	NSTPDC PH	36.03	20	0	0	0	20	5.55	0.00	0.00	0.00	5.55
11	Upper Sileru	186.28		0	0	0			0.00	0.00	0.00	
12	Lower Sileru	429.56	101.81	0	0	0	101.81	5.47	0.00	0.00	0.00	5.47
13	Donkarayi	39.4		0	0	0			0.00	0.00	0.00	
14	PABM	2.34	5.57	0	0	0	5.57	23.80	0.00	0.00	0.00	23.80
15	Minihydel (Chettipet)	1.06	0.76	0	0	0	0.76	7.17	0.00	0.00	0.00	7.17
	APGenco - Hydel Total	**1119.91**	**232.58**	**0**	**0**	**0**	**232.58**	**2.08**	**0.00**	**0.00**	**0.00**	**2.08**
	Interstate - Hydel											
16	Machkund AP Share	122.06	27.44	0	0	0	27.44	2.25	0.00	0.00	0.00	2.25
17	TB Dam AP Share	48.17		0	0	0	0	0.00	0.00	0.00	0.00	0.00
	Interstate-Hydel Total	**170.23**	**27.44**	**0**	**0**	**0**	**27.44**	**1.61**	**0.00**	**0.00**	**0.00**	**1.61**
	APGENCO-TOTAL	**8925.44**	**1893.35**	**2514.38**	**0**	**0**	**4407.73**	**2.12**	**2.82**	**0.00**	**0.00**	**4.94**
	CG Stations											
18	NTPC(SR) Ramagundam I & II	963.36	63.86	281.00	4.17	0.09	349.12	0.66	2.92	0.04	0.00	3.62

S.No.	Generating Station	Dispatch	Cost (Rs. Crs.)					Unit Cost (Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentives	Others	Total
19	NTPC(SR) Simhadri Stage-I	1391.99	123.25	427.37	3.99	17.67	572.28	0.89	3.07	0.03	0.13	4.11
20	NTPC(SR) Simhadri Stage-II	650.22	87.01	198.27	2.08	2.46	289.82	1.34	3.05	0.03	0.04	4.46
21	NTPC(SR) Talcher Stage-II	525.30	35.64	96.63	1.24	2.58	136.10	0.68	1.84	0.02	0.05	2.59
22	NTPC(SR) Ramagundam III	215.98	17.66	61.96	0.49	0.31	80.41	0.82	2.87	0.02	0.01	3.72
23	NTPC Kudgi Stage-I	0.00	99.31	0.00	1.41	0.42	101.14	0.00	0.00	0.00	0.00	0.00
24	NTECL Vallur	165.66	44.92	58.78	1.14	0.02	104.86	2.71	3.55	0.07	0.00	6.33
25	NLC Stage-I	146.54	9.55	40.85	0.54	0.01	50.95	0.65	2.79	0.04	0.00	3.48
26	NLC Stage-II	255.80	17.65	71.34	0.59	0.02	89.60	0.69	2.79	0.02	0.00	3.50
27	NPC(MAPS)	18.34	0	5.00	0	0.00	5.00	0.00	2.73	0.00	0.00	2.73
28	NPC(KAIGA unit I,II,III,IV)	328.61	0	122.04	0	0.00	122.04	0.00	3.71	0.00	0.00	3.71
29	NTPL(NLC TamilNadu)	258.15	56.51	87.20	0	0.03	143.74	2.19	3.38	0.00	0.00	5.57
30	NLC NNTPS	140.82	26.86	32.43	0	0.01	59.30	1.91	2.30	0.00	0.00	4.21
31	KKNPP Unit-I	4.46	0	2.06	0	0.00	2.06	0.00	4.63	0.00	0.00	4.63
32	NLC TPS- I Expn.	5.92	0.57	1.52	0	0.00	2.09	0.96	2.56	0.00	0.00	3.53
33	NLC TPS- II Expn.	4.76	1.5	1.31	0	0.00	2.81	3.15	2.75	0.00	0.00	5.90
34	JNNSM Ph-1 Thermal	117.82	12.82	38.03	0.09	0.15	51.09	1.09	3.23	0.01	0.01	4.34
	CGS TOTAL	**5193.74**	**597.11**	**1525.78**	**15.74**	**23.80**	**2162.43**	**1.15**	**2.94**	**0.03**	**0.05**	**4.16**
	NCE											
35	NCE- Others	94.75	3.24	31.06	0	0	34.30	0.34	3.28	0.00	0.00	3.62
36	NCE Solar	4379.18	0	1831.62	0	0	1831.62	0.00	4.18	0.00	0.00	4.18
37	NCE WIND	6677.77	0	3139.79	0	0	3139.79	0.00	4.70	0.00	0.00	4.70
38	JNNSM PH 1 SOLAR	39.19	0	42.16	0	0	42.16	0.00	10.76	0.00	0.00	10.76
39	JNNSM PH 2 SOLAR	2683.64	0	1177.53	0	0	1177.53	0.00	4.39	0.00	0.00	4.39
	NCE TOTAL	**13874.54**	**3.24**	**6222.16**	**0**	**0**	**6225.40**	**0.00**	**4.48**	**0.00**	**0.00**	**4.49**
	Others											
40	APPDCL Stage-I	3188.50	496.96	1001.19	0	0	1498.15	1.56	3.14	0.00	0.00	4.70
41	APPDCL Stage-II	2276.64	628.03	714.86	0	0	1342.89	2.76	3.14	0.00	0.00	5.90
42	Godavari Gas Power Plant	0	10.97	0	0	0	10.97	0.00	0.00	0.00	0.00	0.00

S.No.	Generating Station	Dispatch	Cost (Rs. Crs.)					Unit Cost (Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentives	Others	Total
43	Thermal Powertech Corporation	777.284	108.97	193.40	2.03	0	304.40	1.40	2.49	0.03	0.00	3.92
44	SEIL	1998.144	333.69	433.60	0	0	767.29	1.67	2.17	0.00	0.00	3.84
45	HNPCL	2951.60	421.79	829.40	0	0	1251.19	1.43	2.81	0.00	0.00	4.24
	Others Total	11192.17	2000.43	3172.45	2.03	0	5174.90	1.79	2.83	0.00	0.00	4.62
46	INTERSTATE TRADERS (SHORT TERM)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
47	D<>D SALE	-9626.85	0	-4414.82	0	0	-4414.82	0.00	4.59	0.00	0.00	4.59
	GRAND TOTAL	**29559.04**	**4494.13**	**9019.94**	**17.77**	**23.80**	**13555.64**	**1.52**	**3.05**	**0.01**	**0.01**	**4.59**

ANNEXURE – 08 (B)

FILING: STATION WISE POWER PURCHASE COST FOR FY2023-24 – APCPDCL

S.No.	Generating Station	Despatch (MU)	Cost (Rs. Crs.)					Unit Cost(Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
	AP Genco-Thermal											
1	Dr. NTTPS	1566.9	170.81	523.35	0	0	694.16	1.09	3.34	0.00	0.00	4.43
2	Dr. NTTPS-IV	816.08	67.41	257.07	0	0	324.48	0.83	3.15	0.00	0.00	3.98
3	Dr. NTTPS-V	1310.38	365.13	403.6	0	0	768.73	2.79	3.08	0.00	0.00	5.87
4	RTPP Stage-I	191.03	64.03	73.74	0	0	137.77	3.35	3.86	0.00	0.00	7.21
5	RTPP Stage-II	87.91	62.98	33.93	0	0	96.91	7.16	3.86	0.00	0.00	11.02
6	RTPP Stage-III	24.81	40.14	9.58	0	0	49.72	16.18	3.86	0.00	0.00	20.04
7	RTPP Stage-IV	409.62	172.18	149.92	0	0	322.1	4.20	3.66	0.00	0.00	7.86
	APGenco-Thermal Total	**4406.73**	**942.68**	**1451.19**	**0**	**0**	**2393.87**	**2.14**	**3.29**	**0.00**	**0.00**	**5.43**
	APGenco - Hydel											
8	Srisailam RCPH	217.74	54.06	0	0	0	54.06	2.48	0.00	0.00	0.00	2.48
9	NSRCPH	27.69	6.21	0	0	0	6.21	2.24	0.00	0.00	0.00	2.24
10	NSTPDC PH	20.8	11.54	0	0	0	11.54	5.55	0.00	0.00	0.00	5.55
11	Upper Sileru	107.51	58.76	0	0	0	58.76	5.47	0.00	0.00	0.00	5.47
12	Lower Sileru	247.92	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
13	Donkarayi	22.74	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
14	PABM	1.35	3.22	0	0	0	3.22	23.81	0.00	0.00	0.00	23.81
15	Mini hydel (Chettipet)	0.61	0.44	0	0	0	0.44	7.17	0.00	0.00	0.00	7.17
	APGenco - Hydel Total	**646.36**	**134.22**	**0**	**0**	**0**	**134.22**	**2.08**	**0.00**	**0.00**	**0.00**	**2.08**
	Interstate - Hydel											
16	Machkund AP Share	70.45	15.84	0	0	0	15.84	2.25	0.00	0.00	0.00	2.25
17	TB Dam AP Share	27.8	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
	Interstate-Hydel Total	**98.25**	**15.84**	**0**	**0**	**0**	**15.84**	1.61	0.00	0.00	0.00	1.61
	APGENCO-TOTAL	**5151.34**	**1092.74**	**1451.19**	**0**	**0**	**2543.93**	2.12	2.82	0.00	0.00	4.94
	CG Stations											
18	NTPC(SR) Ramagundam I & II	556	36.86	162.18	2.4	0.05	201.49	0.66	2.92	0.04	0.00	3.62

S.No.	Generating Station	Despatch (MU)	Cost (Rs. Crs.)					Unit Cost(Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
19	NTPC(SR) Simhadri Stage-I	803.39	71.13	246.66	2.3	10.2	330.29	0.89	3.07	0.03	0.13	4.11
20	NTPC(SR) Simhadri Stage-II	375.28	50.22	114.43	1.2	1.42	167.27	1.34	3.05	0.03	0.04	4.46
21	NTPC(SR) Talcher Stage-II	303.17	20.57	55.77	0.72	1.49	78.55	0.68	1.84	0.02	0.05	2.59
22	NTPC(SR) Ramagundam III	124.65	10.19	35.76	0.28	0.18	46.41	0.82	2.87	0.02	0.01	3.72
23	NTPC Kudgi Stage-I	0	57.32	0	0.81	0.24	58.37	0.00	0.00	0.00	0.00	0.00
24	NTECL Vallur	95.61	25.92	33.92	0.66	0.01	60.51	2.71	3.55	0.07	0.00	6.33
25	NLC Stage-I	84.58	5.51	23.58	0.31	0.01	29.41	0.65	2.79	0.04	0.00	3.48
26	NLC Stage-II	147.64	10.19	41.17	0.34	0.01	51.71	0.69	2.79	0.02	0.00	3.50
27	NPC(MAPS)	10.59	0	2.89	0	0	2.89	0.00	2.73	0.00	0.00	2.73
28	NPC(KAIGA unit I,II, III & IV)	189.66	0	70.43	0	0	70.43	0.00	3.71	0.00	0.00	3.71
29	NTPL (NLC Tamil Nadu)	148.99	32.62	50.33	0	0.02	82.97	2.19	3.38	0.00	0.00	5.57
30	NLC NNTPS	81.28	15.51	18.72	0	0.01	34.24	1.91	2.30	0.00	0.00	4.21
31	KKNPP Unit-I	2.57	0	1.19	0	0	1.19	0.00	4.63	0.00	0.00	4.63
32	NLC TPS- I Expn.	3.41	0.33	0.88	0	0	1.20	0.96	2.57	0.00	0.00	3.53
33	NLC TPS- II Expn.	2.75	0.87	0.76	0	0	1.62	3.15	2.75	0.00	0.00	5.89
34	JNNSM Ph-1 Thermal	68	7.4	21.95	0.05	0.09	29.49	1.09	3.23	0.01	0.01	4.34
	CGS TOTAL	**2997.57**	**344.63**	**880.61**	**9.07**	**13.73**	**1248.04**	**1.15**	**2.94**	**0.03**	**0.05**	**4.16**
	NCE											
35	NCE others	126.15	5.36	75.53	0	0	80.89	0.42	5.99	0.00	0.00	6.41
36	NCE Solar	38.49	0	28.29	0	0	28.29	0.00	7.35	0.00	0.00	7.35
37	NCE WIND	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
38	JNNSM PH 1 SOLAR	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
39	JNNSM PH 2 SOLAR	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
	NCE TOTAL	**164.64**	**5.36**	**103.82**	**0**	**0**	**109.18**	0.33	6.31	0.00	0.00	6.63
	Others											
40	APPDCL Stage-I	1840.25	286.82	577.84	0	0	864.66	1.56	3.14	0.00	0.00	4.70
41	APPDCL Stage-II	1313.96	362.47	412.58	0	0	775.05	2.76	3.14	0.00	0.00	5.90
42	Godavari Gas Power Plant	0	6.33	0	0	0	6.33	0.00	0.00	0.00	0.00	0.00

S.No.	Generating Station	Despatch (MU)	Cost (Rs. Crs.)					Unit Cost(Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
43	Thermal Powertech Corporation	448.61	62.89	111.62	1.17	0	175.68	1.40	2.49	0.03	0.00	3.92
44	SEIL	1153.23	192.59	250.25	0	0	442.84	1.67	2.17	0.00	0.00	3.84
45	HNPCL	1703.52	243.43	478.69	0	0	722.12	1.43	2.81	0.00	0.00	4.24
	Others Total	**3305.36**	**498.92**	**840.56**	**1.17**	**0**	**1340.65**	1.51	2.54	0.00	0.00	4.06
46	INTERSTATE TRADERS (SHORT TERM)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
47	D<>D Transaction	2454.15	0	1125.46	0	0	1125.46	0.00	4.59	0.00	0.00	4.59
	Grand Total	**17227.28**	**2597.28**	**5392.05**	**10.25**	**13.73**	**8013.31**	**1.51**	**3.13**	**0.01**	**0.01**	**4.65**

ANNEXURE – 08 (C)

FILING: STATION WISE POWER PURCHASE COST FOR FY2023-24 – APEPDCL

S.No.	Generating Station	Dispatch	Cost (Rs. Crs.)					Unit Cost (Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentives	Others	Total
	AP Genco-Thermal											
1	Dr. NTTPS	2431.59	265.07	812.15	0	0	1077.22	1.09	3.34	0.00	0.00	4.43
2	Dr. NTTPS-IV	1266.43	104.61	398.93	0	0	503.54	0.83	3.15	0.00	0.00	3.98
3	Dr. NTTPS-V	2033.5	566.63	626.32	0	0	1192.95	2.79	3.08	0.00	0.00	5.87
4	RTPP Stage-I	296.44	99.36	114.43	0	0	213.79	3.35	3.86	0.00	0.00	7.21
5	RTPP Stage-II	136.43	97.73	52.66	0	0	150.39	7.16	3.86	0.00	0.00	11.02
6	RTPP Stage-III	38.49	62.3	14.86	0	0	77.16	16.19	3.86	0.00	0.00	20.05
7	RTPP Stage-IV	635.67	267.19	232.65	0	0	499.84	4.20	3.66	0.00	0.00	7.86
	APGenco-Thermal Total	**6838.55**	**1462.89**	**2252**	**0**	**0**	**3714.89**	**2.14**	**3.29**	**0.00**	**0.00**	**5.43**
	APGenco - Hydel											
8	Srisailam RCPH	337.90	83.9	0	0	0	83.9	2.48	0.00	0.00	0.00	2.48
9	NSRCPH	42.97	9.64	0	0	0	9.64	2.24	0.00	0.00	0.00	2.24
10	NSTPDC PH	32.27	17.91	0	0	0	17.91	5.55	0.00	0.00	0.00	5.55
11	Upper Sileru	166.84	91.19	0	0	0	91.19	5.47	0.00	0.00	0.00	5.47
12	Lower Sileru	384.73		0	0	0		0.00	0.00	0.00	0.00	0.00
13	Donkarayi	35.29		0	0	0		0.00	0.00	0.00	0.00	0.00
14	PABM	2.10	4.994	0	0	0	4.994	23.81	0.00	0.00	0.00	23.81
15	Mini hydel (Chettipet)	0.948	0.68	0	0	0	0.68	7.17	0.00	0.00	0.00	7.17
	APGenco - Hydel Total	**1003.05**	**208.314**	**0**	**0**	**0**	**208.31**	**2.08**	**0.00**	**0.00**	**0.00**	**2.08**
	Interstate - Hydel											
16	Machkund AP Share	109.32	24.58	0	0	0	24.58	2.25	0.00	0.00	0.00	2.25
17	TB Dam AP Share	43.15		0	0	0		0.00	0.00	0.00	0.00	0.00
	Interstate-Hydel Total	**152.47**	**24.58**	**0**	**0**	**0**	**24.58**	**1.61**	**0.00**	**0.00**	**0.00**	**1.61**
	APGENCO-TOTAL	**7994.07**	**1695.784**	**2252**	**0**	**0**	**3947.78**	**2.12**	**2.82**	**0.00**	**0.00**	**4.94**

S.No.	Generating Station	Dispatch	Cost (Rs. Crs.)					Unit Cost (Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentives	Others	Total
	CG Stations											
18	NTPC(SR) Ramagundam I & II	862.83	57.2	251.68	3.73	0.08	312.69	0.66	2.92	0.04	0.00	3.62
19	NTPC(SR) Simhadri Stage-I	1246.73	110.39	382.77	3.57	15.83	512.57	0.89	3.07	0.03	0.13	4.11
20	NTPC(SR) Simhadri Stage-II	582.37	77.93	177.58	1.86	2.21	259.58	1.34	3.05	0.03	0.04	4.46
21	NTPC(SR) Talcher Stage-II	470.48	31.92	86.55	1.11	2.31	121.89	0.68	1.84	0.02	0.05	2.59
22	NTPC(SR) Ramagundam III	193.44	15.82	55.49	0.44	0.28	72.03	0.82	2.87	0.02	0.01	3.72
23	NTPC Kudgi Stage-I	0	88.94	0.00	1.26	0.38	90.58	0.00	0.00	0.00	0.00	0.00
24	NTECL Vallur	148.38	40.23	52.64	1.03	0.02	93.92	2.71	3.55	0.07	0.00	6.33
25	NLC Stage-I	131.25	8.55	36.59	0.48	0.01	45.63	0.65	2.79	0.04	0.00	3.48
26	NLC Stage-II	229.11	15.81	63.89	0.52	0.02	80.25	0.69	2.79	0.02	0.00	3.50
27	NPC (MAPS)	16.43	0	4.48	0	0	4.48	0.00	2.73	0.00	0.00	2.73
28	NPC (KAIGA unit I,II,III,IV)	294.32	0	109.30	0	0	109.30	0.00	3.71	0.00	0.00	3.71
29	NTPL (NLC Tamil Nadu)	231.21	50.62	78.10	0	0.03	128.75	2.19	3.38	0.00	0.00	5.57
30	NLC NNTPS	126.13	24.06	29.04	0	0.01	53.11	1.91	2.30	0.00	0.00	4.21
31	KKNPP Unit-I	3.99	0.00	1.85	0	0	1.85	0.00	4.63	0.00	0.00	4.63
32	NLC TPS- I Expn.	5.3	0.51	1.36	0	0	1.87	0.96	2.57	0.00	0.00	3.53
33	NLC TPS- II Expn.	4.27	1.34	1.17	0	0	2.52	3.15	2.75	0.00	0.00	5.90
34	JNNSM Ph-1 Thermal	105.52	11.48	34.06	0.08	0.13	45.76	1.09	3.23	0.01	0.01	4.34
	CGS TOTAL	**4651.755**	**534.81**	**1366.56**	**14.10**	**21.31**	**1936.78**	**1.15**	**2.94**	**0.03**	**0.05**	**4.16**
	NCE											
35	NCE - Others	131.39	2.05	72.30	0	0	74.35	0.16	5.50	0.00	0.00	5.66
36	NCE Solar	13.86	0	9.17	0	0	9.17	0.00	6.62	0.00	0.00	6.62
37	NCE WIND	0	0	0	0	0	0					
38	JNNSM PH 1 SOLAR	0	0	0	0	0	0					
39	JNNSM PH 2 SOLAR	0	0	0	0	0	0					
	NCE TOTAL	**145.25**	**2.05**	**81.47**	**0**	**0**	**83.52**	**0.14**	**5.61**	**0.00**	**0.00**	**5.75**

S.No.	Generating Station	Dispatch	Cost (Rs. Crs.)					Unit Cost (Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentives	Others	Total
	Others											
40	APPDCL Stage-I	2855.77	445.1	896.71	0	0	1341.81	1.56	3.14	0.00	0.00	4.70
41	APPDCL Stage-II	2039.06	562.5	640.27	0	0	1202.77	2.76	3.14	0.00	0.00	5.90
42	Godavari Gas Power Plant	0	9.83	0	0	0	9.827	0.00	0.00	0.00	0.00	5.89
43	Thermal Powertech Corporation	696.17	97.60	173.22	1.82	0	272.635	1.40	2.49	0.03	0.00	3.92
44	SEIL	1789.63	298.87	388.35	0	0	687.22	1.67	2.17	0.00	0.00	3.84
45	HNPCL	2643.60	377.77	742.85	0	0	1120.62	1.43	2.81	0.00	0.00	4.24
	Others Total	10024.24	1791.66	2841.40	1.82	0	4634.88	1.79	2.83	0.00	0.00	4.62
46	INTERSTATE TRADERS (SHORT TERM)	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
47	D<>D PURCHASE	7172.69	0	3289.36	0	0	3289.36	0.00	4.59	0.00	0.00	4.59
	GRAND TOTAL	**29988.00**	**4024.30**	**9830.79**	**15.91**	**21.31**	**13892.32**	**1.34**	**3.28**	**0.01**	**0.01**	**4.63**

ANNEXURE – 08 (D)

FILING: STATION WISE POWER PURCHASE COST FOR FY2023-24 – DISCOMS (TOTAL)

S.No.	Generating Station	Dispatch	Cost, (Rs. Crs.)					Unit Cost, (Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
	AP Genco-Thermal											
1	Dr. NTTPS	6713.38	731.83	2242.27	0	0	2974.10	1.09	3.34	0.00	0.00	4.43
2	Dr. NTTPS-IV	3496.49	288.81	1101.41	0	0	1390.22	0.83	3.15	0.00	0.00	3.98
3	Dr. NTTPS-V	5614.3	1564.4	1729.21	0	0	3293.61	2.79	3.08	0.00	0.00	5.87
4	RTPP Stage-I	818.45	274.33	315.93	0	0	590.26	3.35	3.86	0.00	0.00	7.21
5	RTPP Stage-II	376.66	269.83	145.39	0	0	415.22	7.16	3.86	0.00	0.00	11.02
6	RTPP Stage-III	106.28	172	41.03	0	0	213.03	16.18	3.86	0.00	0.00	20.04
7	RTPP Stage-IV	1755.02	737.7	642.33	0	0	1380.03	4.20	3.66	0.00	0.00	7.86
	APGenco-Thermal Total	**18880.58**	**4038.9**	**6217.57**	**0**	**0**	**10256.47**	**2.14**	**3.29**	**0.00**	**0.00**	**5.43**
	APGenco - Hydel											
8	Srisailam RCPH	932.90	231.64	0	0	0	231.64	2.48	0.00	0.00	0.00	2.48
9	NSRCPH	118.64	26.61	0	0	0	26.61	2.24	0.00	0.00	0.00	2.24
10	NSTPDC PH	89.1	49.45	0	0	0	49.45	5.55	0.00	0.00	0.00	5.55
11	Upper Sileru	460.63	251.76	0	0	0	251.76	5.47	0.00	0.00	0.00	5.47
12	Lower Sileru	1062.21	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
13	Donkarayi	97.43	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
14	PABM	5.79	13.78	0	0	0	13.78	23.81	0.00	0.00	0.00	23.81
15	**Mini hydel (Chettipet)**	2.618	1.88	0	0	0	1.88	7.17	0.00	0.00	0.00	7.17
	APGenco - Hydel Total	**2769.32**	**575.12**	**0**	**0**	**0**	**575.12**	**2.08**	**0.00**	**0.00**	**0.00**	**2.08**
	Interstate - Hydel											
16	Machkund AP Share	301.83	67.86	0	0	0	67.86	2.25	0.00	0.00	0.00	2.25
17	TB Dam AP Share	119.12	0	0	0	0		0.00	0.00	0.00	0.00	0.00
	Interstate-Hydel Total	**420.95**	**67.86**	**0**	**0**	**0**	**67.86**	**1.61**	**0.00**	**0.00**	**0.00**	**1.61**
	APGENCO-TOTAL	**22070.85**	**4681.88**	**6217.57**	**0**	**0**	**10899.45**	**2.12**	**2.82**	**0.00**	**0.00**	**4.94**

S.No.	Generating Station	Dispatch	Cost, (Rs. Crs.)					Unit Cost, (Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
	CG Stations											
18	NTPC(SR) Ramagundam I & II	2382.19	157.92	694.86	10.30	0.22	863.30	0.66	2.92	0.04	0.00	3.62
19	NTPC(SR) Simhadri Stage-I	3442.11	304.77	1056.80	9.86	43.70	1415.13	0.89	3.07	0.03	0.13	4.11
20	NTPC(SR) Simhadri Stage-II	1607.87	215.16	490.27	5.14	6.09	716.67	1.34	3.05	0.03	0.04	4.46
21	NTPC(SR) Talcher Stage-II	1298.95	88.13	238.95	3.07	6.38	336.54	0.68	1.84	0.02	0.05	2.59
22	NTPC(SR) Ramagundam III	534.07	43.67	153.21	1.21	0.77	198.85	0.82	2.87	0.02	0.01	3.72
23	NTPC Kudgi Stage-I	0.00	245.57	0.00	3.48	1.04	250.09	0.00	0.00	0.00	0.00	0.00
24	NTECL Vallur	409.65	111.07	145.34	2.83	0.05	259.29	2.71	3.55	0.07	0.00	6.33
25	NLC Stage-I	362.37	23.61	101.02	1.33	0.03	126.00	0.65	2.79	0.04	0.00	3.48
26	NLC Stage-II	632.55	43.65	176.40	1.45	0.05	221.56	0.69	2.79	0.02	0.00	3.50
27	NPC(MAPS)	45.36	0	12.37	0	0.00	12.37	0.00	2.73	0.00	0.00	2.73
28	NPC(KAIGA unit I,II,III,IV)	812.59	0	301.77	0	0.00	301.77	0.00	3.71	0.00	0.00	3.71
29	NTPL(NLC TamilNadu)	638.35	139.75	215.63	0	0.08	355.46	2.19	3.38	0.00	0.00	5.57
30	NLC NNTPS	348.23	66.43	80.19	0	0.03	146.65	1.91	2.30	0.00	0.00	4.21
31	KKNPP Unit-I	11.02	0.00	5.10	0	0.00	5.10	0.00	4.63	0.00	0.00	4.63
32	NLC TPS- I Expn.	14.63	1.41	3.76	0	0.00	5.16	0.96	2.57	0.00	0.00	3.53
33	NLC TPS- II Expn.	11.78	3.71	3.24	0	0.00	6.95	3.15	2.75	0.00	0.00	5.90
34	JNNSM Ph-1 Thermal	291.34	31.70	94.04	0.22	0.37	126.33	1.09	3.23	0.01	0.01	4.34
	CGS TOTAL	**12843.07**	**1476.55**	**3772.95**	**38.91**	**58.84**	**5347.25**	**1.15**	**2.94**	**0.03**	**0.05**	**4.16**
	NCE											
35	NCE- Others	352.29	10.65	178.89	0	0	189.54	0.30	5.08	0.00	0.00	5.38
36	NCE Solar	4431.53	0	1869.08	0	0	1869.08	0.00	4.22	0.00	0.00	4.22
37	NCE WIND	6677.77	0	3139.79	0	0	3139.79					
38	JNNSM PH 1 SOLAR	39.19	0	42.16	0	0	42.16					
39	JNNSM PH 2 SOLAR	2683.64	0	1177.53	0	0	1177.53					
	NCE TOTAL	**14184.43**	**10.65**	**6407.45**	**0**	**0**	**6418.10**	**0.01**	**4.52**	**0.00**	**0.00**	**4.52**

S.No.	Generating Station	Dispatch	Cost, (Rs. Crs.)					Unit Cost, (Rs. / kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
	Others											
40	APPDCL Stage-I	7884.52	1228.88	2475.74	0	0	3704.62	1.56	3.14	0.00	0.00	4.70
41	APPDCL Stage-II	5629.66	1553.00	1767.71	0	0	3320.71	2.76	3.14	0.00	0.00	5.90
42	Godavari Gas Power Plant	0	27.13	0	0	0	27.13	0.00	0.00	0.00	0.00	0.00
43	Thermal Powertech Corporation	1922.064	269.46	478.24	5.01	0	752.71	1.40	2.49	0.03	0.00	3.92
44	SEIL	4941.01	825.15	1072.20	0	0	1897.35	1.67	2.17	0.00	0.00	3.84
45	HNPCL	7298.73	1042.99	2050.94	0	0	3093.93	1.43	2.81	0.00	0.00	4.24
	Others Total	27675.98	4946.62	7844.83	5.01	0	12796.46	1.79	2.83	0.00	0.00	4.62
46	INTERSTATE TRADERS (SHORT TERM)	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
47	D<>D PURCHASE	0.00	0	0.00	0	0	0.00	0.00	-0.20	0.00	0.00	-0.20
	GRAND TOTAL	**76774.32**	**11115.69**	**24242.80**	**43.92**	**58.84**	**35461.25**	**1.45**	**3.16**	**0.01**	**0.01**	**4.62**

ANNEXURE – 09 (A)

APPROVED: STATION WISE POWER PURCHASE COST FOR FY2023-24 – APSPDCL

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
	AP Genco-Thermal							
1	Dr. NTTPS	2740.77	276.23	915.42	1191.65	1.01	3.34	4.35
2	Dr. NTTPS-IV	1309.46	116.67	412.48	529.15	0.89	3.15	4.04
3	Dr. NTTPS-V	1313.48	236.43	404.55	640.98	1.80	3.08	4.88
4	RTPP Stage-I	399.95	89.18	154.38	243.56	2.23	3.86	6.09
5	RTPP Stage-II	343.49	104.33	132.59	236.92	3.04	3.86	6.90
6	RTPP Stage-III	131.20	63.84	50.64	114.48	4.87	3.86	8.73
7	RTPP Stage-IV	782.53	263.61	286.41	550.02	3.37	3.66	7.03
	APGenco-Thermal Total	7020.88	1150.29	2356.47	3506.75	1.64	3.36	4.99
	APGenco - Hydel							
8	Srisailam RCPH	425.90	93.68	0.00	93.68	2.20	0.00	2.20
9	NSRCPH	47.98	10.76	0.00	10.76	2.24	0.00	2.24
10	NSTPDC PH	36.02	20.00	0.00	20.00	5.55	0.00	5.55
11	Upper Sileru	752.51	101.81	0.00	101.81	1.35	0.00	1.35
12	Lower Sileru			0.00		0.00	0.00	0.00
13	Donkarayi			0.00		0.00	0.00	0.00
14	PABM	2.33	5.57	0.00	5.57	23.92	0.00	23.92
15	Minihydel(Chettipet)	1.06	0.76	0.00	0.76	7.17	0.00	7.17
	APGenco - Hydel Total	**1265.80**	**232.58**	**0.00**	**232.58**	**1.84**	**0.00**	**1.84**
	Interstate - Hydel							
16	Machkund AP Share	137.67	27.44	0.00	27.44	1.99	0.00	1.99
17	TB Dam AP Share	63.78	0.00	0.00	0.00	0.00	0.00	0.00
	Interstate-Hydel Total	201.45	27.44	0.00	27.44	1.36	0.00	1.36
	APGENCO-TOTAL	**8488.13**	**1410.31**	**2356.47**	**3766.78**	**1.66**	**2.78**	**4.44**
	CG Stations							
18	NTPC(SR) Ramagundam I & II	963.33	60.26	272.62	332.88	0.63	2.83	3.46
19	NTPC(SR) Simhadri Stage-I	1392.01	123.25	416.21	539.46	0.89	2.99	3.88
20	NTPC(SR) Simhadri Stage-II	650.22	87.01	178.81	265.82	1.34	2.75	4.09
21	NTPC(SR) Talcher Stage-II	525.30	35.64	91.93	127.57	0.68	1.75	2.43
22	NTPC(SR) Ramagundam III	215.98	15.04	60.04	75.08	0.70	2.78	3.48
23	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
25	NLC Stage-I	146.52	7.98	38.83	46.81	0.54	2.65	3.19
26	NLC Stage-II	255.81	17.07	67.79	84.86	0.67	2.65	3.32
27	NPC(MAPS)	18.35	0.00	4.75	4.75	0.00	2.59	2.59
28	NPC(KAIGA unit I,II,III,IV)	328.65	0.00	112.07	112.07	0.00	3.41	3.41
29	NTPL(NLC TamilNadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	KKNPP Unit-I	4.48	0.00	1.98	1.98	0.00	4.41	4.41
32	NLC TPS- I Expn.	5.91	0.57	1.45	2.02	0.96	2.45	3.41
33	NLC TPS- II Expn.	4.78	1.10	1.26	2.36	2.30	2.63	4.93
34	JNNSM Ph-1 Thermal	117.82	12.82	33.93	46.75	1.09	2.88	3.97
	CGS TOTAL	4629.16	360.75	1281.67	1642.41	0.78	2.77	3.55
	NCE							
35	NCE- Others	142.46	4.31	72.37	76.68	0.30	5.08	5.38
36	NCE Solar	1792.12	0.00	756.27	756.27	0.00	4.22	4.22
37	NCE WIND	2700.48	0.00	1250.32	1250.32	0.00	4.63	4.63
38	JNNSM PH 1 SOLAR	15.86	0.00	17.07	17.07	0.00	10.76	10.76
39	JNNSM PH 2 SOLAR	1085.27	0.00	476.43	476.43	0.00	4.39	4.39
	NCE TOTAL	5736.19	4.31	2572.47	2576.77	0.01	4.48	4.49
	Others							
40	APPDCL Stage-I	3188.51	496.95	1001.19	1498.15	1.56	3.14	4.70
41	APPDCL Stage-II	1862.70	335.29	584.89	920.18	1.80	3.14	4.94
42	Godavari Gas Power Plant	220.02	8.86	99.01	107.87	0.40	4.50	4.90
43	Thermal Powertech Corporation (SEIL P1)	692.40	108.97	155.10	264.07	1.57	2.24	3.81
44	SEIL P 2	1740.79	290.71	377.75	668.46	1.67	2.17	3.84
45	HNPCL	2656.43	381.75	746.46	1128.21	1.44	2.81	4.25
	Others Total	10360.85	1622.54	2964.40	4586.94	1.57	2.86	4.43
46	Short term purchases	402.75	0.00	213.86	213.86	0.00	5.31	5.31
47	D<>D Purchase	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Despatch	29617.08	3397.90	9388.85	12786.76	1.15	3.17	4.32
48	D<>D Sale	-858.96	0.00	-371.07	-371.07	0.00	4.32	4.32
49	Swapping power to be returned	-204.02	0.00	-88.14	-88.14	0.00	4.32	4.32
	Net Despatch	**28554.09**	**3397.90**	**8929.64**	**12327.55**	**1.19**	**3.13**	**4.32**

ANNEXURE – 09(B)
APPROVED: STATION WISE POWER PURCHASE COST FOR FY2023-24 – APCPDCL

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
	AP Genco-Thermal							
1	Dr. NTTPS	1425.43	159.43	476.09	635.52	1.12	3.34	4.46
2	Dr. NTTPS-IV	755.73	67.33	238.06	305.39	0.89	3.15	4.04
3	Dr. NTTPS-V	758.10	136.46	233.49	369.95	1.80	3.08	4.88
4	RTPP Stage-I	204.84	51.47	79.07	130.54	2.51	3.86	6.37
5	RTPP Stage-II	210.49	60.21	81.25	141.46	2.86	3.86	6.72
6	RTPP Stage-III	97.79	36.84	37.75	74.59	3.77	3.86	7.63
7	RTPP Stage-IV	385.74	152.14	141.18	293.32	3.94	3.66	7.60
	APGenco-Thermal Total	**3838.12**	**663.89**	**1286.88**	**1950.77**	**1.73**	**3.35**	**5.08**
	APGenco - Hydel							
8	Srisailam RCPH	245.81	54.06	0.00	54.06	2.20	0.00	2.20
9	NSRCPH	27.69	6.21	0.00	6.21	2.24	0.00	2.24
10	NSTPDC PH	20.78	11.54	0.00	11.54	5.55	0.00	5.55
11	Upper Sileru	434.30	58.76	0.00	58.76	1.35	0.00	1.35
12	Lower Sileru			0.00		0.00	0.00	0.00
13	Donkarayi			0.00		0.00	0.00	0.00
14	PABM	1.35	3.22	0.00	3.22	23.82	0.00	23.82
15	Minihydel(Chettipet)	0.64	0.44	0.00	0.44	6.86	0.00	6.86
	APGenco - Hydel Total	**730.58**	**134.24**	**0.00**	**134.24**	**1.84**	**0.00**	**1.84**
	Interstate - Hydel							
16	Machkund AP Share	79.47	15.84	0.00	15.84	1.99	0.00	1.99
17	TB Dam AP Share	36.83	0.00	0.00	0.00	0.00	0.00	0.00
	Interstate-Hydel Total	116.30	15.84	0.00	15.84	1.36	0.00	1.36
	APGENCO-TOTAL	**4685.00**	**813.96**	**1286.88**	**2100.85**	**1.74**	**2.75**	**4.48**
	CG Stations							
18	NTPC(SR) Ramagundam I & II	556.03	34.78	157.36	192.14	0.63	2.83	3.46
19	NTPC(SR) Simhadri Stage-I	803.36	71.13	240.20	311.34	0.89	2.99	3.88
20	NTPC(SR) Simhadri Stage-II	375.32	50.22	103.21	153.43	1.34	2.75	4.09
21	NTPC(SR) Talcher Stage-II	303.16	20.57	53.05	73.62	0.68	1.75	2.43
22	NTPC(SR) Ramagundam III	124.65	8.68	34.65	43.33	0.70	2.78	3.48
23	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
25	NLC Stage-I	84.58	4.61	22.41	27.02	0.54	2.65	3.19
26	NLC Stage-II	147.63	9.85	39.12	48.98	0.67	2.65	3.32
27	NPC (MAPS)	10.58	0.00	2.74	2.74	0.00	2.59	2.59
28	NPC (KAIGA unit I,II,III,IV)	189.64	0.00	64.67	64.67	0.00	3.41	3.41
29	NTPL (NLC Tamil Nadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	KKNPP Unit-I	2.61	0.00	1.15	1.15	0.00	4.41	4.41
32	NLC TPS- I Expn.	3.44	0.33	0.84	1.17	0.96	2.45	3.41
33	NLC TPS- II Expn.	2.75	0.64	0.72	1.36	2.31	2.62	4.93
34	JNNSM Ph-1 Thermal	67.99	7.40	19.58	26.98	1.09	2.88	3.97
	CGS TOTAL	**2671.77**	**208.20**	**739.73**	**947.93**	**0.78**	**2.77**	**3.55**
	NCE							
35	NCE- Others	82.21	2.49	41.76	44.25	0.30	5.08	5.38
36	NCE Solar	1034.32	0.00	436.48	436.48	0.00	4.22	4.22
37	NCE WIND	1558.60	0.00	721.63	721.63	0.00	4.63	4.63
38	JNNSM PH 1 SOLAR	9.15	0.00	9.85	9.85	0.00	10.76	10.76
39	JNNSM PH 2 SOLAR	626.35	0.00	274.97	274.97	0.00	4.39	4.39
	NCE TOTAL	**3310.63**	**2.49**	**1484.69**	**1487.18**	**0.01**	**4.48**	**4.49**
	Others							
40	APPDCL Stage-I	1840.24	286.82	577.84	864.66	1.56	3.14	4.70
41	APPDCL Stage-II	1075.05	193.51	337.57	531.08	1.80	3.14	4.94
42	Godavari Gas Power Plant	126.95	5.12	57.13	62.25	0.40	4.50	4.90
43	Thermal Powertech Corporation (SEIL P1)	399.60	62.89	89.51	152.40	1.57	2.24	3.81
44	SEIL P 2	1004.69	167.78	218.02	385.80	1.67	2.17	3.84
45	HNPCL	1533.15	220.33	430.82	651.15	1.44	2.81	4.25
	Others Total	**5979.69**	**936.45**	**1710.87**	**2647.33**	**1.57**	**2.86**	**4.43**
46	Short term purchases	284.34	0.00	150.98	150.98	0.00	5.31	5.31
47	**D<>D Purchase**	33.51	0.00	14.48	14.48	0.00	4.32	4.32
	Total Despatch	**16964.94**	**1961.11**	**5387.64**	**7348.75**	**1.16**	**3.18**	**4.33**
48	**D<>D Sale**	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	Swapping power to be returned	-117.75	0.00	-50.87	-50.87	0.00	4.32	4.32
	Net Despatch	**16847.19**	**1961.11**	**5336.77**	**7297.88**	**1.16**	**3.17**	**4.33**

ANNEXURE – 09 (C)

APPROVED: STATION WISE POWER PURCHASE COST FOR FY2023-24 – APEPDCL

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
	AP Genco-Thermal							
1	Dr. NTTPS	2723.75	247.41	909.73	1157.14	0.91	3.34	4.25
2	Dr. NTTPS-IV	1172.81	104.49	369.43	473.92	0.89	3.15	4.04
3	Dr. NTTPS-V	1176.42	211.75	362.34	574.09	1.80	3.08	4.88
4	RTPP Stage-I	781.97	79.88	301.84	381.72	1.02	3.86	4.88
5	RTPP Stage-II	748.73	93.44	289.01	382.45	1.25	3.86	5.11
6	RTPP Stage-III	312.89	57.17	120.78	177.95	1.83	3.86	5.69
7	RTPP Stage-IV	1244.87	236.10	455.62	691.73	1.90	3.66	5.56
	APGenco-Thermal Total	**8161.44**	**1030.25**	**2808.75**	**3839.00**	**1.26**	**3.44**	**4.70**
	APGenco - Hydel							
8	Srisailam RCPH	381.47	83.90	0.00	83.90	2.20	0.00	2.20
9	NSRCPH	42.97	9.64	0.00	9.64	2.24	0.00	2.24
10	NSTPDC PH	32.27	17.91	0.00	17.91	5.55	0.00	5.55
11	Upper Sileru	673.99	91.19	0.00	91.19	1.35	0.00	1.35
12	Lower Sileru			0.00		0.00	0.00	0.00
13	Donkarayi			0.00		0.00	0.00	0.00
14	PABM	2.08	4.99	0.00	4.99	23.95	0.00	23.95
15	Minihydel(Chettipet)	0.97	0.68	0.00	0.68	7.02	0.00	7.02
	APGenco - Hydel Total	**1133.76**	**208.31**	**0.00**	**208.31**	**1.84**	**0.00**	**1.84**
	Interstate - Hydel							
16	Machkund AP Share	123.32	24.58	0.00	24.58	1.99	0.00	1.99
17	TB Dam AP Share	57.13	0.00	0.00	0.00	0.00	0.00	0.00
	Interstate-Hydel Total	180.45	24.58	0.00	24.58	1.36	0.00	1.36
	APGENCO-TOTAL	**9475.65**	**1263.14**	**2808.75**	**4071.89**	**1.33**	**2.96**	**4.30**
	CG Stations							
18	NTPC(SR) Ramagundam I & II	862.82	53.97	244.18	298.15	0.63	2.83	3.46
19	NTPC(SR) Simhadri Stage-I	1246.76	110.39	372.78	483.17	0.89	2.99	3.88
20	NTPC(SR) Simhadri Stage-II	582.37	77.93	160.15	238.08	1.34	2.75	4.09
21	NTPC(SR) Talcher Stage-II	470.47	31.92	82.33	114.25	0.68	1.75	2.43
22	NTPC(SR) Ramagundam III	193.41	13.47	53.77	67.24	0.70	2.78	3.48
23	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	NLC Stage-I	131.24	7.15	34.78	41.93	0.54	2.65	3.19
26	NLC Stage-II	229.10	15.29	60.71	76.00	0.67	2.65	3.32

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
27	NPC(MAPS)	16.43	0.00	4.26	4.26	0.00	2.59	2.59
28	NPC(KAIGA unit I,II,III,IV)	294.33	0.00	100.37	100.37	0.00	3.41	3.41
29	NTPL(NLC TamilNadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	KKNPP Unit-I	4.01	0.00	1.77	1.77	0.00	4.41	4.41
32	NLC TPS- I Expn.	5.32	0.51	1.30	1.81	0.96	2.45	3.41
33	NLC TPS- II Expn.	4.26	0.98	1.12	2.10	2.30	2.62	4.92
34	JNNSM Ph-1 Thermal	105.53	11.48	30.39	41.87	1.09	2.88	3.97
	CGS TOTAL	**4146.05**	**323.10**	**1147.90**	**1471.00**	**0.78**	**2.77**	**3.55**
	NCE							
35	NCE- Others	127.61	3.86	64.83	68.68	0.30	5.08	5.38
36	NCE Solar	1605.09	0.00	677.35	677.35	0.00	4.22	4.22
37	NCE WIND	2418.67	0.00	1119.84	1119.84	0.00	4.63	4.63
38	JNNSM PH 1 SOLAR	14.19	0.00	15.27	15.27	0.00	10.76	10.76
39	JNNSM PH 2 SOLAR	972.03	0.00	426.72	426.72	0.00	4.39	4.39
	NCE TOTAL	**5137.59**	**3.86**	**2304.01**	**2307.86**	**0.01**	**4.48**	**4.49**
	Others							
40	APPDCL Stage-I	2855.78	445.10	896.72	1341.82	1.56	3.14	4.70
41	APPDCL Stage-II	1668.31	300.30	523.85	824.15	1.80	3.14	4.94
42	Godavari Gas Power Plant	197.03	7.94	88.66	96.60	0.40	4.50	4.90
43	Thermal Powertech Corporation (SEIL P1)	620.16	97.60	138.92	236.51	1.57	2.24	3.81
44	SEIL P 2	1559.21	260.39	338.35	598.74	1.67	2.17	3.84
45	HNPCL	2379.23	341.92	668.56	1010.48	1.44	2.81	4.25
	Others Total	**9279.72**	**1453.24**	**2655.05**	**4108.30**	**1.57**	**2.86**	**4.43**
46	Short term purchases	864.44	0.00	459.02	459.02	0.00	5.31	5.31
47	**D<>D Purchase**	825.45	0.00	356.60	356.60	0.00	4.32	4.32
	Total Despatch	29728.89	3043.33	9731.33	12774.67	1.02	3.27	4.30
48	**D<>D Sale**	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	Swapping power to be returned	-182.73	0.00	-78.94	-78.94	0.00	4.32	4.32
	Net Despatch	**29546.16**	**3043.33**	**9652.39**	**12695.73**	**1.03**	**3.27**	**4.30**

ANNEXURE – 09 (D)

APPROVED: STATION WISE POWER PURCHASE COST FOR FY2023-24 – DISCOMS (TOTAL)

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
	AP Genco-Thermal							
1	Dr. NTTPS	6889.96	683.07	2301.25	2984.32	0.99	3.34	4.33
2	Dr. NTTPS-IV	3238.00	288.49	1019.97	1308.46	0.89	3.15	4.04
3	Dr. NTTPS-V	3248.00	584.64	1000.38	1585.02	1.80	3.08	4.88
4	RTPP Stage-I	1386.76	220.53	535.29	755.82	1.59	3.86	5.45
5	RTPP Stage-II	1302.70	257.99	502.84	760.83	1.98	3.86	5.84
6	RTPP Stage-III	541.88	157.85	209.17	367.02	2.91	3.86	6.77
7	RTPP Stage-IV	2413.14	651.86	883.21	1535.07	2.70	3.66	6.36
	APGenco-Thermal Total	**19020.45**	**2844.43**	**6452.11**	**9296.54**	**1.50**	**3.39**	**4.89**
	APGenco - Hydel							
8	Srisailam RCPH	1053.18	231.64	0.00	231.64	2.20	0.00	2.20
9	NSRCPH	118.64	26.61	0.00	26.61	2.24	0.00	2.24
10	NSTPDC PH	89.08	49.46	0.00	49.46	5.55	0.00	5.55
11	Upper Sileru	1860.80	251.76	0.00	251.76	1.35	0.00	1.35
12	Lower Sileru			0.00		0.00	0.00	0.00
13	Donkarayi			0.00		0.00	0.00	0.00
14	PABM	5.76	13.78	0.00	13.78	23.91	0.00	23.91
15	Minihydel(Chettipet)	2.67	1.88	0.00	1.88	7.04	0.00	7.04
	APGenco - Hydel Total	**3130.14**	**575.13**	**0.00**	**575.13**	**1.84**	**0.00**	**1.84**
	Interstate - Hydel							
16	Machkund AP Share	340.45	67.86	0.00	67.86	1.99	0.00	1.99
17	TB Dam AP Share	157.74		0.00	0.00	0.00	0.00	0.00
	Interstate-Hydel Total	498.19	67.86	0.00	67.86	1.36	0.00	1.36
	APGENCO-TOTAL	**22648.78**	**3487.42**	**6452.11**	**9939.53**	**1.54**	**2.85**	**4.39**
	CG Stations							
18	NTPC(SR) Ramagundam I & II	2382.19	149.01	674.16	823.17	0.63	2.83	3.46
19	NTPC(SR) Simhadri Stage-I	3442.13	304.77	1029.20	1333.97	0.89	2.99	3.88
20	NTPC(SR) Simhadri Stage-II	1607.91	215.16	442.18	657.34	1.34	2.75	4.09
21	NTPC(SR) Talcher Stage-II	1298.93	88.13	227.31	315.44	0.68	1.75	2.43
22	NTPC(SR) Ramagundam III	534.04	37.19	148.46	185.65	0.70	2.78	3.48
23	NTPC Kudgi Stage-I	0.00	0	0.00	0.00	0.00	0.00	0.00
24	NTECL Valluru	0.00	0	0.00	0.00	0.00	0.00	0.00

S. No.	Generating Stations	Despatch	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
25	NLC Stage-I	362.34	19.74	96.02	115.76	0.54	2.65	3.19
26	NLC Stage-II	632.54	42.22	167.62	209.84	0.67	2.65	3.32
27	NPC(MAPS)	45.36	0	11.75	11.75	0.00	2.59	2.59
28	NPC(KAIGA unit I,II,III,IV)	812.62	0	277.10	277.10	0.00	3.41	3.41
29	NTPL(NLC TamilNadu)	0.00	0	0.00	0.00	0.00	0.00	0.00
30	NLC NNTPS	0.00	0	0.00	0.00	0.00	0.00	0.00
31	KKNPP Unit-I	11.10	0	4.90	4.90	0.00	4.41	4.41
32	NLC TPS- I Expn.	14.67	1.41	3.60	5.01	0.96	2.45	3.41
33	NLC TPS- II Expn.	11.79	2.72	3.09	5.81	2.31	2.62	4.93
34	JNNSM Ph-1 Thermal	291.34	31.7	83.91	115.61	1.09	2.88	3.97
	CGS TOTAL	**11446.98**	**892.05**	**3169.29**	**4061.34**	**0.78**	**2.77**	**3.55**
	NCE							
35	NCE- Others	352.28	10.65	178.96	189.61	0.30	5.08	5.38
36	NCE Solar	4431.53	0	1870.11	1870.11	0.00	4.22	4.22
37	NCE WIND	6677.75	0	3091.80	3091.80	0.00	4.63	4.63
38	JNNSM PH 1 SOLAR	39.20	0	42.18	42.18	0.00	10.76	10.76
39	JNNSM PH 2 SOLAR	2683.65	0	1178.12	1178.12	0.00	4.39	4.39
	NCE TOTAL	**14184.41**	**10.65**	**6361.16**	**6371.81**	**0.01**	**4.48**	**4.49**
	Others							
40	APPDCL Stage-I	7884.53	1228.88	2475.74	3704.62	1.56	3.14	4.70
41	APPDCL Stage-II	4606.06	829.10	1446.30	2275.40	1.80	3.14	4.94
42	Godavari Gas Power Plant	544.00	21.92	244.80	266.72	0.40	4.50	4.90
43	Thermal Powertech Corporation (SEIL P1)	1712.16	269.46	383.52	652.98	1.57	2.24	3.81
44	SEIL P 2	4304.68	718.88	934.12	1653.00	1.67	2.17	3.84
45	HNPCL	6568.81	944	1845.84	2789.84	1.44	2.81	4.25
	Others Total	**25620.25**	**4012.24**	**7330.32**	**11342.57**	**1.57**	**2.86**	**4.43**
46	Short term purchases	1551.53	0	823.86	823.86	0.00	5.31	5.31
47	**D<>D Purchase**	858.96	0	371.07	371.07	0.00	4.32	4.32
	Total Despatch	**76310.90**	**8402.36**	**24507.82**	**32910.18**	**1.10**	**3.21**	**4.31**
48	**D<>D Sale**	-858.96	0	-371.07	-371.07	0.00	4.32	4.32
49	Swapping power to be returned	-504.50	0	-217.95	-217.95	0.00	4.32	4.32
	Net Despatch	**74947.44**	**8402.36**	**23918.80**	**32321.16**	**1.12**	**3.19**	**4.31**

ANNEXURE – 10
FILING: CATEGORY WISE SALES & REVENUE AT PROPOSED TARIFF FOR THE FY2023-24 - APDISCOMs

		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	Consumer Categories	**SPDCL**	CPDCL	EPDCL	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**
	LT Total																
	LT Cat-I (A): Domestic (Telescopic)																
LT-I	0-30	1651.07	1331.44	1,806.88	4789.39	358.24	284.82	389.13	1032.19	108.71	44.75	14.78	168.24	466.95	329.57	403.91	1200.43
LT-I	31-75	1764.37	1504.14	2,056.03	5324.54	595.95	497.81	680.77	1774.53	116.17	50.56	17.84	184.57	712.12	548.37	698.61	1959.10
LT-I	76-125	1038.38	1248.78	1,386.36	3673.52	549.26	629.59	717.62	1896.47	68.37	41.97	12.76	123.10	617.63	671.56	730.38	2019.57
LT-I	126-225	835.44	804.24	1,115.03	2754.71	576.82	558.98	767.21	1903.01	55.01	27.03	11.47	93.51	631.83	586.01	778.68	1996.52
LT-I	226-400	360.26	454.17	442.22	1256.65	343.16	437.55	432.06	1212.77	23.72	15.27	5.09	44.08	366.88	452.82	437.15	1256.85
LT-I	>400	180.17	342.68	300.47	823.32	183.23	350.08	308.05	841.36	11.86	11.52	3.64	27.02	195.09	361.60	311.69	868.38
	LT Cat-II : Commercial & Others																
LT-II(A)	0-50	224.45	190.55	264.65	679.65	185.46	150.97	216.76	553.19	14.78	6.40	0.8	31.76	200.24	157.37	227.34	584.95
LT-II(A)	51-100	115.33	111.74	149.94	377.01	107.34	104.90	135.43	347.67	7.59	3.76	9	21.04	114.93	108.66	145.12	368.71
LT-II(A)	101-300	206.44	212.92	262.45	681.81	211.87	219.08	267.30	698.25	13.59	7.16	2	23.44	225.46	226.24	269.99	721.69
LT-II(A)	301-500	102.16	105.14	139.14	346.44	106.81	110.78	144.75	362.35	6.73	3.53	7	17.58	113.54	114.31	152.07	379.93
LT-II(A)	Above 500	511.1	487.84	529.41	1528.35	558.04	540.01	591.95	1690.00	33.65	16.40	8	58.36	591.69	556.41	600.26	1748.36
LT-II(A)	(iii) Advertising Hoardings	2.77	1.61	2.53	6.91	3.87	3.00	3.61	10.48	0.18	0.05	0.09	0.32	4.05	3.05	3.70	10.80
LT-II(A)	(iv) Function Halls/Auditoriums	14.37	10.79	10.9	36.06	17.71	13.30	13.49	44.50	0.95	0.36	0.1	1.50	18.66	13.66	13.68	46.00
LT-II(B)	(B): Start up power	0	0	0.15	0.15	0.00	0.00	0.19	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19
LT-II(C)	(C) : Electric Vehicles (Evs) / Charging stations	0.05	0.17	0.08	0.3	0.04	0.13	0.06	0.24	0.00	0.01	0.00	0.01	0.04	0.14	0.06	0.25
LT-II(D)	(D) : Green Power	0.18	0	0	0.18	0.22	0.00	0.00	0.22	0.01	0.00	0.00	0.01	0.23	0.00	0.00	0.23
	LT Cat-III : Industry																
LT-III(A)	(A): Industry(General)	569.84	511.81	475.4	1557.05	468.06	430.18	387.50	1285.74	37.52	17.20	23	77.05	505.58	447.38	409.83	1362.79
LT-III(B)	(B): Seasonal Industries (off season)	1.21	2.27	0.98	4.46	1.00	1.71	0.77	3.47	0.08	0.08	0.00	0.16	1.08	1.79	0.77	3.63

	Consumer Categories	SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
		SPDCL	CPDCL	EPDCL	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**
LT-III(D)	(D): Cottage Industries upto 10HP	48.95	9.17	3.05	61.17	20.50	3.68	1.37	25.55	3.22	0.31	0.03	3.56	23.72	3.99	1.40	29.11
	LT Cat-IV : Institutional																
LT-IV(A)	(A): Utilities (Street lighting,CPWS/PWS and NTR Sujala Pathakam)	673.71	248.59	324.69	1246.99	502.32	187.30	242.84	932.45	44.36	8.36	106.94	159.66	546.68	195.66	349.78	1092.11
LT-IV(B)	(B): General Purpose	125.27	72.11	105.42	302.8	101.50	58.31	86.49	246.30	8.25	2.42	17.14	27.81	109.75	60.73	103.63	274.11
	(C): Religious Places																
LT-IV(C)	(i) <= 2kW other than Goshalas	6.17	8.45	12.44	27.06	2.78	3.86	5.94	12.58	0.41	0.28	1.42	2.11	3.19	4.14	7.36	14.69
LT-IV(C)	(ii) > 2kW	6.13	6.53	3.61	16.27	3.29	3.54	2.01	8.84	0.40	0.22	0.06	0.68	3.69	3.76	2.07	9.52
LT-IV(C)	(iii) Goshalas	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LT Cat-V : Agricultural & Related																
	(A): Agriculture																
LT-V(A)	(i) Corporate Farmers & IT Assesses	3.03	4.4	8.52	15.95	1.09	1.63	3.11	5.83	0.20	0.15	0.00	0.35	1.29	1.78	3.11	6.18
LT-V(A)	(ii) Non-Corporate Farmers	6352.26	2144.8	2,432.10	10929.16	43.55	17.36	10.36	71.26	0.00	0.00	0.01	0.01	43.55	17.36	10.37	71.27
LT-V(A)	(iii) Salt farming units with Connected Load upto 15HP	0.86	1.93	0.41	3.2	0.23	0.51	0.11	0.84	0.06	0.06	0.00	0.12	0.29	0.57	0.11	0.96
LT-V(A)	(iv) Sugarcane crushing	0.03	0	0.23	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LT-V(A)	(v) Rural Horticulture Nurseries	0.56	4.43	14.22	19.21	0.01	0.15	0.07	0.23	0.00	0.00	0.00	0.00	0.01	0.15	0.07	0.23
LT-V(A)	(vi) Floriculture in Green House	0.07	0.01	0.04	0.12	0.04	0.01	0.02	0.07	0.00	0.00	0.02	0.02	0.04	0.01	0.04	0.09
LT-V(B)	(B): Aquaculture and Animal Husbandry	667.92	1139.52	2,176.61	3984.05	269.80	469.77	906.59	1646.15	43.98	38.30	6.12	88.40	313.78	508.07	912.71	1734.55
LT-V(D)	(D): Agro Based Cottage Industries upto 10HP	0.18	0.71	0.39	1.28	0.07	0.29	0.17	0.53	0.01	0.02	0.00	0.03	0.08	0.31	0.17	0.56
LT-V(E)	(E): Government/Private Lift Irrigation Schemes	1.81	4.38	0	6.19	1.16	2.81	0.00	3.97	0.12	0.15	0.00	0.27	1.28	2.96	0.00	4.24

		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	Consumer Categories	**SPDCL**	CPDCL	EPDCL	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**
	HT Category																
	HT Cat-I : Domestic																
	(B): Townships, Colonies, Gated Communities Villas																
HT-I(B)	11 kV	15.58	12.12	21.84	49.54	11.71	9.19	16.37	37.27	1.03	0.41	0.04	1.48	12.74	9.60	16.41	38.75
HT-I(B)	33 kV	2.1	2.46	11.69	16.25	1.64	1.92	8.57	12.12	0.14	0.08	0.00	0.22	1.78	2.00	8.57	12.34
HT-I(B)	132 kV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-I(B)	220 kV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	HT Cat-II : Commercial & Others																
	(ii) Major																
HT-II(A)	11 kV	309.93	315.71	495.26	1120.9	338.70	358.78	577.29	1274.78	20.41	10.61	5.67	36.69	359.11	369.39	582.96	1311.47
HT-II(A)	33 kV	41.34	77.96	194.76	314.06	40.53	80.62	194.04	315.20	2.72	2.62	39.28	44.62	43.25	83.24	233.32	359.82
HT-II(A)	132 kV	43.12	0	43.59	86.71	36.30	0.00	35.77	72.08	2.84	0.00	3.86	6.70	39.14	0.00	39.63	78.78
HT-II(A)	220 kV	0	0	45.28	45.28	0.00	0.00	46.20	46.20	0.00	0.00	0.05	0.05	0.00	0.00	46.25	46.25
	Commercial, ToD																
HT-II(A)	11 kV	52.17	87.78	129.64	269.59	45.13	75.93	112.14	233.20	3.44	2.95	0.00	6.39	48.57	78.88	112.14	239.59
HT-II(A)	33 kV	8.68	18.54	49.2	76.42	6.90	14.74	39.11	60.75	0.57	0.62	0.00	1.19	7.47	15.36	39.11	61.94
HT-II(A)	132 kV	6.68	0	14.67	21.35	5.14	0.00	11.30	16.44	0.44	0.00	0.00	0.44	5.58	0.00	11.30	16.88
HT-I(B)	220 kV	0	0	10.04	10.04	0.00	0.00	7.68	7.68	0.00	0.00	0.00	0.00	0.00	0.00	7.68	7.68
	(iv) Function Halls/Auditoriums																
HT-II(A)	11 kV	5.36	10.17	14.94	30.47	6.69	12.71	18.63	38.03	0.35	0.34	0.05	0.74	7.04	13.05	18.68	38.77
HT-II(A)	33 kV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II(A)	132 kV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II(A)	220 kV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(B): Start up power																
HT II(B)	11 kV	0.03	0.01	0.04	0.08	0.04	0.01	0.06	0.11	0.00	0.00	0.06	0.06	0.04	0.01	0.12	0.17

		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	Consumer Categories	**SPDCL**	CPDCL	EPDCL	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**
HT II(B)	33 kV	28.61	1.76	4.24	34.61	36.28	2.30	5.27	43.86	1.88	0.06	0.00	1.94	38.16	2.36	5.27	45.80
HT II(B)	132 kV	4.64	0.24	4.42	9.3	5.75	0.30	5.43	11.48	0.31	0.01	0.3	0.84	6.06	0.31	5.95	12.32
HT II(B)	220 kV	1.29	0	2.6	3.89	1.59	0.00	3.19	4.78	0.09	0.00	0.00	0.09	1.68	0.00	3.19	4.87
	(C): Electric Vehicles (Evs) / Charging stations																
HT-II(C)	11 kV	0.27	0	0	0.27	0.19	0.00	0.00	0.19	0.02	0.00	0.00	0.02	0.21	0.00	0.00	0.21
HT-II(C)	33 kV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II(C)	132 kV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II(C)	220 KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(D): Green Power																
HT II(D)	11 kV	0.31	0.04	0	0.35	0.38	0.05	0.00	0.44	0.02	0.00	0.00	0.02	0.40	0.05	0.00	0.46
HT II(D)	33 kV	0.03	0	0	0.03	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
HT II(D)	132 kV	0	0.02	0	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03
HT II(D)	220 KV	0	0	0	0	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	HT Cat-III : Industry																
	(High Grid Demand) ToD (Feb'24, Mar'24), (Apr- May'23) & (Sep'23-Oct'23)																
	Peak (06-10) & (18-22)																
HT III(A)	11 kV	142.48	165.75	251.53	559.76	111.13	410.73	196.19	718.05	9.38	5.57	0.00	14.95	120.51	416.30	196.19	733.00
HT III(A)	33 kV	390.34	277.2	380.14	1047.68	286.90	454.94	279.40	1021.25	25.70	9.32	0.00	35.02	312.60	464.26	279.40	1056.27
HT III(A)	132 kV	473.89	100.48	288.52	862.89	326.98	143.25	199.08	669.31	31.20	3.38	0.00	34.58	358.18	146.63	199.08	703.89
HT III(A)	220 KV	69.65	0	207.23	276.88	47.71	0.00	141.95	189.66	4.59	0.00	0.00	4.59	52.30	0.00	141.95	194.25
	Off-Peak (10 -15) & (00-06																
HT III(A)	11 kV	165.17	142.45	321.08	628.7	91.67	79.06	178.20	348.93	10.88	4.79	0.00	15.67	102.55	83.85	178.20	364.60
HT III(A)	33 kV	448.4	302.48	488.47	1239.35	228.68	154.26	249.12	632.07	29.52	10.17	0.00	39.69	258.20	164.43	249.12	671.76
HT III(A)	132 kV	538.89	120.48	384.62	1043.99	250.58	56.02	178.85	485.46	35.48	4.05	0.00	39.53	286.06	60.07	178.85	524.99
HT III(A)	220 KV	81.95	0	272.26	354.21	37.70	0.00	125.24	162.94	5.40	0.00	0.00	5.40	43.10	0.00	125.24	168.34

	Consumer Categories	SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
		SPDCL	CPDCL	EPDCL	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**
	Normal (15-18) & (22-24)																
HT III(A)	11KV	153.82	168.76	185.87	508.45	362.57	106.32	463.64	932.53	10.13	5.67	4.40	20.20	372.70	111.99	468.05	952.74
HT III(A)	33KV	380.1	172.02	194.57	746.69	570.84	100.63	410.95	1082.42	25.03	5.78	3.23	34.04	595.87	106.41	414.18	1116.46
HT III(A)	132KV	476.05	82.07	164.38	722.5	591.63	44.32	312.10	948.05	31.34	2.76	24.59	58.69	622.97	47.08	336.69	1006.74
HT III(A)	220 KV	69.94	0	122.65	192.59	107.30	0.00	199.57	306.87	4.61	0.00	0.00	4.61	111.91	0.00	199.57	311.48
	(Low Grid Demand) ToD (Jun'23-Aug'23) & (Nov'23-Jan'24)																
HT III(A)	**Peak (06-10) & (18-22)**																
HT III(A)	11KV	131.42	159.12	257.1	547.64	95.94	116.16	187.68	399.78	8.65	5.35	0.00	14.00	104.59	121.51	187.68	413.78
HT III(A)	33KV	367.96	284.14	367.78	1019.88	252.05	194.64	251.93	698.62	24.23	9.55	0.00	33.78	276.28	204.19	251.93	732.40
HT III(A)	132KV	439.4	91.21	278.68	809.29	281.22	58.37	178.36	517.95	28.93	3.07	0.00	32.00	310.15	61.44	178.36	549.95
HT III(A)	220 KV	68.54	0	189.38	257.92	43.52	0.00	120.26	163.78	4.51	0.00	0.00	4.51	48.03	0.00	120.26	168.29
HT III(A)	**Off-Peak (10 -15) & (00-06**																
HT III(A)	11KV	156.34	147.54	327.98	631.86	86.77	81.88	182.03	350.68	10.29	4.96	0.00	15.25	97.06	86.84	182.03	365.93
HT III(A)	33KV	428.78	302.4	470.38	1201.56	218.68	154.22	239.89	612.80	28.23	10.16	0.00	38.39	246.91	164.38	239.89	651.19
HT III(A)	132KV	517.5	105.73	371.49	994.72	240.64	49.16	172.74	462.54	34.07	3.55	0.00	37.62	274.71	52.71	172.74	500.16
HT III(A)	220 KV	80.33	0	248.81	329.14	36.95	0.00	114.45	151.40	5.29	0.00	0.00	5.29	42.24	0.00	114.45	156.69
	Normal (15-18) & (22-24)																
HT III(A)	11KV	139.05	157.32	189.98	486.35	87.60	99.11	119.69	306.40	9.16	5.29	0.00	14.45	96.76	104.40	119.69	320.85
HT III(A)	33KV	364.31	143.48	187.54	695.33	213.12	83.94	109.71	406.77	23.99	4.82	0.00	28.81	237.11	88.76	109.71	435.58
HT III(A)	132KV	431.31	74.1	158.71	664.12	232.91	40.01	85.70	358.62	28.40	2.49	0.00	30.89	261.31	42.50	85.70	389.51
HT III(A)	220 KV	69.05	0	112.08	181.13	36.94	0.00	59.96	96.90	4.55	0.00	0.00	4.55	41.49	0.00	59.96	101.45
	Industrial colonies																
HT-III(A)	11KV	0.09	0.66	2.54	3.29	0.07	0.46	1.78	2.31	0.01	0.02	0.00	0.03	0.08	0.48	1.78	2.34
HT-III(A)	33KV	0.8	12.56	1.13	14.494	0.59	8.79	0.79	10.17	0.05	0.42	0.00	0.47	0.64	9.21	0.79	10.64
HT-III(A)	132KV	4.56	6.36	37.70	48.624	3.23	4.45	26.39	34.07	0.30	0.21	0.00	0.51	3.53	4.66	26.39	34.58
HT-III(A)	220 KV	3.89	0	40.17	44.06	2.73	0.00	28.12	30.85	0.26	0.00	0.00	0.26	2.99	0.00	28.12	31.11

	Consumer Categories	SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
		SPDCL	CPDCL	EPDCL	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**
	(B): Seasonal Industries(Off Season)																
HT-III(B)	11KV	7.42	0.31	16.91	24.64	16.69	0.38	22.64	39.71	0.49	0.01	0.49	0.99	12.07	0.39	23.13	40.70
HT-III(B)	33KV	0.65	0	11.41	12.06	1.34	0.00	10.53	11.87	0.04	0.00	0.12	0.16	0.97	0.00	10.65	12.03
HT-III(B)	132KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-III(B)	220 KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(C): Energy Intensive Industries																
	(High Grid Demand) ToD (Feb'24, Mar'24), (Apr- May'23) & (Sep'23-Oct'23)																
	Peak (06-10) & (18-22)																
HT-III(C)	11 kV	0.14	0.19	0	0.33	0.10	0.34	0.00	0.44	0.01	0.01	0.00	0.02	0.11	0.35	0.00	0.46
HT-III(C)	33 kV	21.18	1.4	68.7	91.28	14.51	2.94	47.06	64.51	0.56	0.05	0.00	0.61	15.07	2.99	47.06	65.12
HT-III(C)	132 kV	30.51	0	484.56	515.07	19.68	0.00	312.54	332.22	1.33	0.00	0.00	1.33	21.01	0.00	312.54	333.55
HT-III(C)	220 KV	0	0	265.27	265.27	0.00	0.00	169.77	169.77	0.00	0.00	0.00	0.00	0.00	0.00	169.77	169.77
	Off-Peak (10 -15) & (00-06																
HT-III(C)	11 kV	0	0.26	0	0.26	0.00	0.13	0.00	0.13	0.00	0.01	0.00	0.01	0.00	0.14	0.00	0.14
HT-III(C)	33 kV	33.09	1.93	55.01	90.03	15.22	0.89	25.30	41.41	0.65	0.06	0.00	0.71	15.87	0.95	25.30	42.12
HT-III(C)	132 kV	26.87	0	387.86	414.73	11.29	0.00	162.90	174.19	1.04	0.00	0.00	1.04	12.33	0.00	162.90	175.23
HT-III(C)	220 KV	0	0	248.43	248.43	0.00	0.00	103.10	103.10	0.00	0.00	0.00	0.00	0.00	0.00	103.10	103.10
	Normal (15-18) & (22-24)																
HT-III(C)	11KV	0.63	0.12	0	0.75	0.76	0.07	0.00	0.83	0.04	0.00	0.00	0.04	0.80	0.07	0.00	0.87
HT-III(C)	33KV	17.42	0.88	41.91	60.21	32.51	0.47	66.07	99.05	3.51	0.03	2.27	5.81	36.02	0.50	68.34	104.86
HT-III(C)	132KV	119.81	0	295.59	415.4	123.04	0.00	489.84	612.88	9.29	0.00	10	10.49	132.33	0.00	491.04	623.37
HT-III(C)	220 KV	0	0	174.15	174.15	0.00	0.00	195.91	195.91	0.00	0.00	25	2.75	0.00	0.00	198.66	198.66
	(Low Grid Demand) ToD Peak (Jun'23-Aug'23) & (Nov'23-Jan'24)																

		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	Consumer Categories	**SPDCL**	CPDCL	EPDCL	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**
	Peak (06-10) & (18-22)																
HT-III(C)	11KV	0.13	0.2	0	0.33	0.09	0.14	0.00	0.22	0.69	0.01	0.00	0.70	0.78	0.15	0.00	0.92
HT-III(C)	33KV	24.594	1.43	71.21	97.234	15.62	0.91	45.22	61.74	1.13	0.05	0.00	1.18	16.75	0.96	45.22	62.92
HT-III(C)	132KV	21.01	0	510.35	531.36	12.50	0.00	303.66	316.16	0.00	0.00	0.00	0.00	12.50	0.00	303.66	316.16
HT-III(C)	220 KV	0	0	292.23	292.23	0.00	0.00	172.42	172.42	0.00	0.00	0.00	0.00	0.00	0.00	172.42	172.42
	Off-Peak (10 -15) &(00-06)																
HT-III(C)	11KV	0	0.27	0	0.27	0.00	0.14	0.00	0.14	0.00	0.01	0.00	0.01	0.00	0.15	0.00	0.15
HT-III(C)	33KV	41.43	1.97	56.55	99.95	19.06	0.91	26.01	45.98	1.05	0.07	0.00	1.12	20.11	0.98	26.01	47.10
HT-III(C)	132KV	15.08	0	405.35	420.43	6.33	0.00	170.25	176.58	0.77	0.00	0.00	0.77	7.10	0.00	170.25	177.35
HT-III(C)	220 KV	0	0	232.09	232.09	0.00	0.00	96.32	96.32	0.00	0.00	0.00	0.00	0.00	0.00	96.32	96.32
	Normal (15-18) & (22-24)																
HT-III(C)	11KV	0.63	0.12	0	0.75	0.37	0.07	0.00	0.44	0.04	0.00	0.00	0.04	0.41	0.07	0.00	0.48
HT-III(C)	33KV	8.33	0.89	42.38	51.596	4.45	0.48	22.67	27.60	3.16	0.03	0.00	3.19	7.61	0.51	22.67	30.79
HT-III(C)	132KV	154.79	0	303.73	458.52	76.62	0.00	150.35	226.97	10.67	0.00	0.00	10.67	87.29	0.00	150.35	237.64
HT-III(C)	220 KV	0	0	173.91	173.91	0.00	0.00	85.22	85.22	**0.00**	0.00	0.00	0.00	0.00	0.00	85.22	85.22
	HT Cat-IV : Institutional																
	(A): Utilities (Composite Protected Water Supply Schemes)																
HT-IV(A)	11KV	102.45	82.51	110.94	295.904	98.26	78.65	107.58	284.49	6.75	2.77	9	19.41	105.01	81.42	117.47	303.90
HT-IV(A)	33KV	69.71	0	10.54	80.25	62.41	0.00	8.46	70.88	4.59	0.00	0.02	4.61	67.00	0.00	8.48	75.49
HT-IV(A)	132KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(A)	220 KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(B): General Purpose																
HT-IV(B)	11KV	55.81	47.95	34.62	138.38	61.13	50.27	39.08	150.47	3.67	1.61	17	7.01	64.80	51.88	40.81	157.48
HT-IV(B)	33KV	3.11	22.28	0	25.39	3.60	23.43	0.00	27.03	0.20	0.75	0.00	0.95	3.80	24.18	0.00	27.98
HT-IV(B)	132KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(B)	220 KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	Consumer Categories	**SPDCL**	CPDCL	EPDCL	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**	**SPDCL**	**CPDCL**	**EPDCL**	**TOTAL**
	(C): Religious Places																
HT-IV(C)	11KV	11.22	1.96	5.37	18.554	5.82	1.06	2.84	9.71	0.74	0.07	0.01	0.82	6.56	1.13	2.85	10.53
HT-IV(C)	33KV	34.99	0	0	34.99	17.77	0.00	0.00	17.77	2.30	0.00	0.00	2.30	20.07	0.00	0.00	20.07
HT-IV(C)	132KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(C)	220 KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(D) Railway Traction																
HT-IV(D)	11KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(D)	33KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(D)	132KV	731.34	477.18	1,007.95	2216.47	515.17	323.44	671.61	1510.23	48.15	16.04	0.05	64.24	563.32	339.48	671.66	1574.47
HT-IV(D)	220 KV	148.47	0	0	148.47	108.14	0.00	0.00	108.14	9.78	0.00	0.00	9.78	117.92	0.00	0.00	117.92
	HT Cat-V : Agricultural & Related																
	(B): Aquaculture and Animal Husbandry																
HT-V(B)	11KV	30.57	20.3	26.21	77.084	12.27	8.36	10.56	31.20	2.01	0.68	0.01	2.70	14.28	9.04	10.57	33.90
HT-V(B)	33KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-V(B)	132KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-V(B)	220 KV	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(E): Government / Private Lift Irrigation																
HT-V(E)	11KV	25.19	50.13	21.98	97.299	18.21	36.36	15.94	70.50	1.66	1.69	9.86	13.21	19.87	38.05	25.80	83.71
HT-V(E)	33KV	137.24	25.17	65.304	227.704	98.30	18.05	46.75	163.09	9.04	0.85	21.14	31.03	107.34	18.90	67.89	194.13
HT-V(E)	132KV	501.08	0.64	0	501.72	358.34	0.46	0.00	358.80	32.99	0.02	0.00	33.01	391.33	0.48	0.00	391.81
HT-V(E)	220 KV	843.85	0	2.62	846.474	603.42	0.00	1.89	605.30	55.56	0.00	66.83	122.39	658.98	0.00	68.72	727.70
HT	RESCO	483.47	0	0	483.474	72.31	0.00	0.00	72.31	31.83	0.00	0.00	31.83	104.14	0.00	0.00	104.14
	Grand Total (LT+HT)	26280.91	15246.52	26992.49	68519.92	13002.38	8627.36	15793.10	37422.84	1312.11	440.23	456.66	2209.00	14308.97	9067.59	16249.76	39626.32

ANNEXURE – 11

APPROVED: DISCOMS - CATEGORY WISE SALES & REVENUE FOR THE FY2023-24

Consumer Categories		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
	LT Total																
	LT Cat-I (A): Domestic (Telescopic)																
LT-I	0-30	1651.07	1331.44	1806.88	4789.39	358.24	284.82	389.13	1032.19	108.71	44.75	15.93	169.39	466.95	329.57	405.06	1201.58
LT-I	31-75	1764.37	1504.14	2056.03	5324.54	595.95	497.81	680.77	1774.53	116.17	50.56	19.43	186.16	712.12	548.37	700.20	1960.69
LT-I	76-125	1038.38	1248.78	1386.36	3673.52	549.26	629.59	717.62	1896.47	68.37	41.97	13.91	124.25	617.63	671.56	731.53	2020.72
LT-I	126-225	835.44	804.24	1115.03	2754.71	576.82	558.98	767.21	1903.01	55.01	27.03	12.62	94.66	631.83	586.01	779.83	1997.67
LT-I	226-400	360.26	454.17	442.22	1256.65	343.16	437.55	432.06	1212.77	23.72	15.27	6.24	45.23	366.88	452.82	438.30	1258.00
LT-I	>400	180.17	342.68	300.47	823.32	183.23	350.08	308.05	841.36	11.86	11.52	4.79	28.17	195.09	361.60	312.84	869.53
	LT Cat-II : Commercial & Others																
LT-II(A)	0-50	224.45	190.55	264.65	679.65	185.46	150.97	216.76	553.19	14.78	6.40	11.73	32.91	200.24	157.37	228.49	586.10
LT-II(A)	51-100	115.33	111.74	149.94	377.01	107.34	104.90	135.43	347.67	7.59	3.76	10.84	22.19	114.93	108.66	146.27	369.86
LT-II(A)	101-300	206.44	212.92	262.45	681.81	211.87	219.08	267.30	698.25	13.59	7.16	3.84	24.59	225.46	226.24	271.14	722.84
LT-II(A)	301-500	102.16	105.14	139.14	346.44	106.81	110.78	144.75	362.35	6.73	3.53	8.47	18.73	113.54	114.31	153.22	381.08
LT-II(A)	Above 500	511.10	487.84	529.41	1528.35	558.04	540.01	591.95	1690.00	33.65	16.40	9.46	59.51	591.69	556.41	601.41	1749.51
LT-II(A)	(iii) Advertising Hoardings	2.77	1.61	2.53	6.91	3.87	3.00	3.61	10.48	0.18	0.05	1.24	1.47	4.05	3.05	4.85	11.95
LT-II(A)	(iv) Function Halls/Auditoriums	14.37	10.79	10.90	36.06	17.71	13.30	13.49	44.50	0.95	0.36	1.34	2.65	18.66	13.66	14.83	47.15
LT-II(B)	(B): Start up power	0.00	0.00	0.15	0.15	0.00	0.00	0.19	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19
LT-II(C)	(C) : Electric Vehicles (Evs) / Charging stations	0.05	0.17	0.08	0.30	0.04	0.13	0.06	0.24	0.00	0.01	0.00	0.01	0.04	0.14	0.06	0.25
LT-II(D)	(D) : Green Power	0.18	0.00	0.00	0.18	0.22	0.00	0.00	0.22	0.01	0.00	0.00	0.01	0.23	0.00	0.00	0.23

Consumer Categories		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
	LT Cat-III : Industry																
LT-III(A)	(A): Industry(General)	569.84	511.81	475.40	1557.05	468.06	430.18	387.50	1285.74	37.52	17.20	23.48	78.20	505.58	447.38	410.98	1363.94
LT-III(B)	(B): Seasonal Industries (off season)	1.21	2.27	0.98	4.46	1.00	1.71	0.77	3.47	0.08	0.08	0.00	0.16	1.08	1.79	0.77	3.63
LT-III(D)	(D): Cottage Industries upto 10HP	48.95	9.17	3.05	61.17	20.50	3.68	1.37	25.55	3.22	0.31	1.18	4.71	23.72	3.99	2.55	30.26
	LT Cat-IV : Institutional																
LT-IV(A)	(A): Utilities (Street lighting,CPWS/PWS and NTR Sujala Pathakam)	673.71	248.59	324.69	1246.99	502.32	187.30	242.84	932.45	44.36	8.36	108.09	160.81	546.68	195.66	350.93	1093.26
LT-IV(B)	(B): General Purpose	125.27	72.11	105.42	302.80	101.50	58.31	86.49	246.30	8.25	2.42	18.29	28.96	109.75	60.73	104.78	275.26
	(C): Religious Places																
LT-IV(C)	(i) <= 2kW other than Goshalas	6.17	8.45	12.44	27.06	2.78	3.86	5.94	12.58	0.41	0.28	2.57	3.26	3.19	4.14	8.51	15.84
LT-IV(C)	(ii) > 2kW	6.13	6.53	3.61	16.27	3.29	3.54	2.01	8.84	0.40	0.22	1.21	1.83	3.69	3.76	3.22	10.67
LT-IV(C)	(iii) Goshalas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	LT Cat-V : Agricultural & Related																
	(A): Agriculture																
LT-V(A)	(i) Corporate Farmers & IT Assesses	3.03	4.40	8.52	15.95	1.09	1.63	3.11	5.83	0.20	0.15	0.00	0.35	1.29	1.78	3.11	6.18
LT-V(A)	(ii) Non-Corporate Farmers	5909.26	1958.33	2315.60	10183.19	43.55	17.36	10.36	71.26	0.00	0.00	1.60	1.60	43.55	17.36	11.96	72.86
LT-V(A)	(iii) Salt farming units with	0.86	1.93	0.41	3.20	0.23	0.51	0.11	0.85	0.06	0.06	0.00	0.12	0.29	0.57	0.11	0.97

Consumer Categories		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
	Connected Load upto 15HP																
LT-V(A)	(iv) Sugarcane crushing	0.03	0.00	0.23	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LT-V(A)	(v) Rural Horticulture Nurseries	0.33	4.43	14.22	18.98	0.01	0.15	0.07	0.23	0.00	0.00	0.00	0.00	0.01	0.15	0.07	0.23
LT-V(A)	(vi) Floriculture in Green House	0.07	0.01	0.04	0.12	0.04	0.01	0.02	0.07	0.00	0.00	1.17	1.17	0.04	0.01	1.19	1.24
LT-V(B)	(B): Aquaculture and Animal Husbandry	667.92	1139.52	2176.61	3984.05	269.80	469.77	906.59	1646.15	43.98	38.30	7.27	89.55	313.78	508.07	913.86	1735.70
LT-V(D)	(D): Agro Based Cottage Industries upto 10HP	0.18	0.71	0.39	1.28	0.07	0.29	0.17	0.53	0.01	0.02	0.00	0.03	0.08	0.31	0.17	0.56
LT-V(E)	(E): Government/Private Lift Irrigation Schemes	1.81	4.38	0.00	6.19	1.16	2.81	0.00	3.97	0.12	0.15	0.00	0.27	1.28	2.96	0.00	4.24
	HT Category																
	HT Cat-I : Domestic																
	(B): Townships, Colonies, Gated Communities Villas																
HT-I(B)	11 kV	15.58	12.12	21.84	49.54	11.71	9.19	16.37	37.27	1.03	0.41	1.19	2.63	12.74	9.60	17.56	39.90
HT-I(B)	33 kV	2.10	2.46	11.69	16.25	1.64	1.92	8.57	12.12	0.14	0.08	0.00	0.22	1.78	2.00	8.57	12.34
HT-I(B)	132 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-I(B)	220 KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	HT Cat-II : Commercial & Others																
	(ii) Major																

Consumer Categories		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
HT-II(A)	11 kV	309.93	315.71	495.26	1120.90	338.70	358.78	577.29	1274.78	20.41	10.61	6.82	37.84	359.11	369.39	584.11	1312.62
HT-II(A)	33 kV	41.34	77.96	194.76	314.06	40.53	80.62	194.04	315.20	2.72	2.62	40.43	45.77	43.25	83.24	234.47	360.97
HT-II(A)	132 kV	43.12	0.00	43.59	86.71	36.30	0.00	35.77	72.08	2.84	0.00	5.01	7.85	39.14	0.00	40.78	79.93
HT-II(A)	220 KV	0.00	0.00	45.28	45.28	0.00	0.00	46.20	46.20	0.00	0.00	1.20	1.20	0.00	0.00	47.40	47.40
	Commercial, ToD																
HT-II(A)	11 kV	52.17	87.78	129.64	269.59	45.13	75.93	112.14	233.20	3.44	2.95	0.00	6.39	48.57	78.88	112.14	239.59
HT-II(A)	33 kV	8.68	18.54	49.20	76.42	6.90	14.74	39.11	60.75	0.57	0.62	0.00	1.19	7.47	15.36	39.11	61.94
HT-II(A)	132 kV	6.68	0.00	14.67	21.35	5.14	0.00	11.30	16.44	0.44	0.00	0.00	0.44	5.58	0.00	11.30	16.88
HT-I(B)	220 KV	0.00	0.00	10.04	10.04	0.00	0.00	7.68	7.68	0.00	0.00	0.00	0.00	0.00	0.00	7.68	7.68
	(iv) Function Halls/Auditoriums																
HT-II(A)	11 kV	5.36	10.17	14.94	30.47	6.69	12.71	18.63	38.03	0.35	0.34	1.20	1.89	7.04	13.05	19.83	39.92
HT-II(A)	33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II(A)	132 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II(A)	220 KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(B): Start up power																
HT II(B)	11 kV	0.03	0.01	0.04	0.08	0.04	0.01	0.06	0.11	0.00	0.00	1.21	1.21	0.04	0.01	1.27	1.32
HT II(B)	33 kV	28.61	1.76	4.24	34.61	36.28	2.30	5.27	43.86	1.88	0.06	0.00	1.94	38.16	2.36	5.27	45.80
HT II(B)	132 kV	4.64	0.24	4.42	9.30	5.75	0.30	5.43	11.48	0.31	0.01	1.67	1.99	6.06	0.31	7.10	13.47
HT II(B)	220 KV	1.29	0.00	2.60	3.89	1.59	0.00	3.19	4.78	0.09	0.00	0.00	0.09	1.68	0.00	3.19	4.87
	(C): Electric Vehicles (Evs) / Charging stations																
HT-II(C)	11 kV	0.27	0.00	0.00	0.27	0.19	0.00	0.00	0.19	0.02	0.00	0.00	0.02	0.21	0.00	0.00	0.21
HT-II(C)	33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II(C)	132 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II(C)	220 KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Consumer Categories		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
	(D): Green Power																
HT II(D)	11 kV	0.31	0.04	0.00	0.35	0.38	0.05	0.00	0.44	0.02	0.00	0.00	0.02	0.40	0.05	0.00	0.46
HT II(D)	33 kV	0.03	0.00	0.00	0.03	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
HT II(D)	132 kV	0.00	0.02	0.00	0.02	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03
HT II(D)	220 KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	HT Cat-III : Industry																
	(High Grid Demand) ToD (Feb'24, Mar'24), (Apr-May'23) & (Sep'23-Oct'23)																
	Peak (06-10) & (18-22)																
HT III(A)	11 kV	142.48	165.75	261.23	569.46	111.13	410.73	203.76	725.62	9.38	5.57	0.00	14.95	120.51	416.30	203.76	740.57
HT III(A)	33 kV	390.34	277.20	389.84	1057.38	286.90	454.94	286.53	1028.37	25.70	9.32	0.00	35.02	312.60	464.26	286.53	1063.39
HT III(A)	132 kV	473.89	100.48	288.52	862.89	326.98	143.25	199.08	669.31	31.20	3.38	0.00	34.58	358.18	146.63	199.08	703.89
HT III(A)	220 KV	69.65	0.00	207.23	276.88	47.71	0.00	141.95	189.66	4.59	0.00	0.00	4.59	52.30	0.00	141.95	194.25
	Off-Peak (10 -15) & (00-06)																
HT III(A)	11 kV	165.17	142.45	330.78	638.40	91.67	79.06	183.58	354.31	10.88	4.79	0.00	15.67	102.55	83.85	183.58	369.98
HT III(A)	33 kV	448.40	302.48	498.17	1249.05	228.68	154.26	254.07	637.02	29.52	10.17	0.00	39.69	258.20	164.43	254.07	676.71
HT III(A)	132 kV	538.89	120.48	384.62	1043.99	250.58	56.02	178.85	485.46	35.48	4.05	0.00	39.53	286.06	60.07	178.85	524.99
HT III(A)	220 KV	81.95	0.00	272.26	354.21	37.70	0.00	125.24	162.94	5.40	0.00	0.00	5.40	43.10	0.00	125.24	168.34
	Normal (15-18) & (22-24)																
HT III(A)	11KV	153.82	168.76	195.57	518.15	362.57	106.32	469.76	938.64	10.13	5.67	5.55	21.35	372.70	111.99	475.31	960.00
HT III(A)	33KV	380.10	172.02	204.27	756.39	570.84	100.63	416.62	1088.09	25.03	5.78	4.38	35.19	595.87	106.41	421.01	1123.29
HT III(A)	132KV	476.05	82.07	164.38	722.50	591.63	44.32	312.10	948.05	31.34	2.76	25.74	59.84	622.97	47.08	337.84	1007.89
HT III(A)	220 KV	69.94	0.00	122.65	192.59	107.30	0.00	199.57	306.87	4.61	0.00	0.00	4.61	111.91	0.00	199.57	311.48

Consumer Categories		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
	(Low Grid Demand) ToD (Jun'23-Aug'23) & (Nov'23-Jan'24)																
HT III(A)	**Peak (06-10) & (18-22)**																
HT III(A)	11KV	131.42	159.12	266.81	557.35	95.94	116.16	194.77	406.87	8.65	5.35	0.00	14.00	104.59	121.51	194.77	420.87
HT III(A)	33KV	367.96	284.14	377.48	1029.58	252.05	194.64	258.57	705.26	24.23	9.55	0.00	33.78	276.28	204.19	258.57	739.04
HT III(A)	132KV	439.40	91.21	278.68	809.29	281.22	58.37	178.36	517.95	28.93	3.07	0.00	32.00	310.15	61.44	178.36	549.95
HT III(A)	220 KV	68.54	0.00	189.38	257.92	43.52	0.00	120.26	163.78	4.51	0.00	0.00	4.51	48.03	0.00	120.26	168.29
HT III(A)	**Off-Peak (10 -15) & (00-06)**																
HT III(A)	11KV	156.34	147.54	337.68	641.56	86.77	81.88	187.41	356.07	10.29	4.96	0.00	15.25	97.06	86.84	187.41	371.32
HT III(A)	33KV	428.78	302.40	480.08	1211.26	218.68	154.22	244.84	617.74	28.23	10.16	0.00	38.39	246.91	164.38	244.84	656.13
HT III(A)	132KV	517.50	105.73	371.49	994.72	240.64	49.16	172.74	462.54	34.07	3.55	0.00	37.62	274.71	52.71	172.74	500.16
HT III(A)	220 KV	80.33	0.00	248.81	329.14	36.95	0.00	114.45	151.40	5.29	0.00	0.00	5.29	42.24	0.00	114.45	156.69
	Normal (15-18) & (22-24)																
HT III(A)	11KV	139.05	157.32	199.68	496.05	87.60	99.11	125.80	312.51	9.16	5.29	0.00	14.45	96.76	104.40	125.80	326.96
HT III(A)	33KV	364.31	143.48	197.24	705.03	213.12	83.94	115.39	412.44	23.99	4.82	0.00	28.81	237.11	88.76	115.39	441.25
HT III(A)	132KV	431.31	74.10	158.71	664.12	232.91	40.01	85.70	358.62	28.40	2.49	0.00	30.89	261.31	42.50	85.70	389.51
HT III(A)	220 KV	69.05	0.00	112.08	181.13	36.94	0.00	59.96	96.90	4.55	0.00	0.00	4.55	41.49	0.00	59.96	101.45
	Industrial colonies																
HT-III(A)	11KV	0.09	0.66	2.63	3.38	0.07	0.46	1.84	2.37	0.01	0.02	0.00	0.03	0.08	0.48	1.84	2.40
HT-III(A)	33KV	0.80	12.56	1.13	14.49	0.59	8.79	0.79	10.17	0.05	0.42	0.00	0.47	0.64	9.21	0.79	10.64
HT-III(A)	132KV	4.56	6.36	37.70	48.62	3.23	4.45	26.39	34.07	0.30	0.21	0.00	0.51	3.53	4.66	26.39	34.58
HT-III(A)	220 KV	3.89	0.00	40.17	44.06	2.73	0.00	28.12	30.85	0.26	0.00	0.00	0.26	2.99	0.00	28.12	31.11
	(B): Seasonal Industries (Off Season)																
HT-III(B)	11 kV	7.42	0.31	16.91	24.64	11.58	0.38	22.64	34.61	0.49	0.01	1.64	2.14	12.07	0.39	24.28	36.75

Consumer Categories		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
HT-III(B)	33 kV	0.65	0.00	11.41	12.06	0.93	0.00	10.53	11.46	0.04	0.00	1.27	1.31	0.97	0.00	11.80	12.77
HT-III(B)	132 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-III(B)	220 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(C): Energy Intensive Industries																
HT-III(C)	11 kV	1.53	1.16	0.00	2.69	1.20	0.83	0.00	2.03	0.78	0.04	0.00	0.82	1.98	0.87	0.00	2.85
HT-III(C)	33 kV	146.04	8.50	335.76	490.30	93.84	6.26	210.07	310.17	10.06	0.29	3.42	13.77	103.90	6.55	213.49	323.94
HT-III(C)	132 kV	368.07	0.00	2387.44	2755.51	227.07	0.00	1405.49	1632.56	23.10	0.00	2.35	25.45	250.17	0.00	1407.84	1658.01
HT-III(C)	220 KV	0.00	0.00	1386.08	1386.08	0.00	0.00	789.77	789.77	0.00	0.00	3.90	3.90	0.00	0.00	793.67	793.67
	HT Cat-IV : Institutional																
	(A): Utilities (Composite Protected Water Supply Schemes)																
HT-IV(A)	11KV	102.45	82.51	110.94	295.90	98.26	78.65	107.58	284.48	6.75	2.77	11.04	20.56	105.01	81.42	118.62	305.04
HT-IV(A)	33KV	69.71	0.00	10.54	80.25	62.41	0.00	8.46	70.88	4.59	0.00	1.17	5.76	67.00	0.00	9.63	76.64
HT-IV(A)	132KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(A)	220 KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(B):General Purpose																
HT-IV(B)	11KV	55.81	47.95	34.62	138.38	61.13	50.27	39.08	150.47	3.67	1.61	2.88	8.16	64.80	51.88	41.96	158.63
HT-IV(B)	33KV	3.11	22.28	0.00	25.39	3.60	23.43	0.00	27.03	0.20	0.75	0.00	0.95	3.80	24.18	0.00	27.98
HT-IV(B)	132KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(B)	220 KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(C): Religious Places																
HT-IV(C)	11KV	11.22	1.96	5.37	18.55	5.82	1.06	2.84	9.71	0.74	0.07	1.16	1.97	6.56	1.13	4.00	11.68
HT-IV(C)	33KV	34.99	0.00	0.00	34.99	17.77	0.00	0.00	17.77	2.30	0.00	0.00	2.30	20.07	0.00	0.00	20.07
HT-IV(C)	132KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(C)	220 KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Consumer Categories		SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
	(D) Railway Traction																
HT-IV(D)	11KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(D)	33KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-IV(D)	132KV	731.34	477.18	1007.95	2216.47	515.17	323.44	671.61	1510.23	48.15	16.04	1.20	65.39	563.32	339.48	672.81	1575.62
HT-IV(D)	220 KV	148.47	0.00	0.00	148.47	108.14	0.00	0.00	108.14	9.78	0.00	0.00	9.78	117.92	0.00	0.00	117.92
	HT Cat-V : Agricultural & Related																
	(B): Aquaculture and Animal Husbandry																
HT-V(B)	11KV	30.57	20.30	26.21	77.09	12.27	8.36	10.56	31.20	2.01	0.68	1.16	3.85	14.28	9.05	11.72	35.05
HT-V(B)	33KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-V(B)	132KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-V(B)	220 KV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(E): Government / Private Lift Irrigation																
HT-V(E)	11KV	25.19	50.13	21.98	97.30	18.21	36.36	15.94	70.50	1.66	1.69	11.01	14.36	19.87	38.05	26.95	84.86
HT-V(E)	33KV	137.24	25.17	65.30	227.70	98.30	18.05	46.75	163.09	9.04	0.85	22.29	32.18	107.34	18.90	69.04	195.28
HT-V(E)	132KV	501.08	0.64	0.00	501.72	358.34	0.46	0.00	358.80	32.99	0.02	0.00	33.01	391.33	0.48	0.00	391.81
HT-V(E)	220 KV	843.85	0.00	2.62	846.47	603.42	0.00	1.89	605.30	55.56	0.00	67.98	123.54	658.97	0.00	69.87	728.84
HT	RESCO	483.47	0.00	0.00	483.47	72.31	0.00	0.00	72.31	31.83	0.00	0.00	31.83	104.14	0.00	0.00	104.14
	Grand Total (LT+HT)	25837.68	15060.04	26992.49	67890.21	12966.83	8626.97	15626.54	37220.34	1312.10	440.23	511.59	2263.92	14278.93	9067.21	16138.12	39484.26

ANNEXURE – 12

REVENUE AT FULL COST RECOVERY TARIFFS

Category	Consumer Category	SALES (MU)				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr.)			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrge	SPDCL	EPDCL	CPDCL	Total
	LT Total												
	LT Cat-I (A): Domestic (Telescopic)												
LT-I	0-30	1651.07	1331.44	1,806.88	4789.39	**2.78**	**3.34**	**1.90**	**10**	611.44	520.98	405.06	1537.48
LT-I	31-75	1764.37	1504.14	2,056.03	5324.54	**3.67**	**4.13**	**3.00**	**10**	830.15	718.15	700.20	2248.50
LT-I	76-125	1038.38	1248.78	1,386.36	3673.52	**4.82**	**5.15**	**4.50**	**10**	651.31	752.48	731.53	2135.33
LT-I	126-225	835.44	804.24	1,115.03	2754.71	**6.06**	**6.12**	**6.00**	**10**	637.06	595.52	779.83	2012.41
LT-I	226-400	360.26	454.17	442.22	1256.65	**8.75**	**8.75**	**8.75**	**10**	366.88	452.82	438.30	1258.00
LT-I	>400	180.17	342.68	300.47	823.32	**9.75**	**9.75**	**9.75**	**10**	195.04	361.60	312.84	869.48
	LT Cat-II : Commercial & Others												
LT-II(A)	0-50	224.45	190.55	264.65	679.65	**5.40**	**5.40**	**5.40**	**75**	200.24	157.37	228.49	586.10
LT-II(A)	51-100	115.33	111.74	149.94	377.01	**7.65**	**7.65**	**7.65**	**75**	114.93	108.66	146.27	369.86
LT-II(A)	101-300	206.44	212.92	262.45	681.81	**9.05**	**9.05**	**9.05**	**75**	225.46	226.24	271.14	722.84
LT-II(A)	301-500	102.16	105.14	139.14	346.44	**9.60**	**9.60**	**9.60**	**75**	113.54	114.31	153.22	381.08
LT-II(A)	Above 500	511.10	487.84	529.41	1528.35	**10.15**	**10.15**	**10.15**	**75**	591.69	556.41	601.41	1749.51
LT-II(A)	(iii) Advertising Hoardings	2.77	1.61	2.53	6.91	**12.25**	**12.25**	**12.25**	**100**	4.05	3.05	4.85	11.95
LT-II(A)	(iv) Function Halls/Auditoriums	14.37	10.79	10.9	36.06	**12.25**	**12.25**	**12.25**	**0**	18.66	13.66	14.83	47.15
LT-II(B)	(B): Start up power	0.00	0	0.15	0.15	**12.25**	**12.25**	**12.25**	**0**	0.00	0.00	0.19	0.19
LT-II(C)	(C) : Electric Vehicles (Evs) / Charging stations	0.05	0.17	0.08	0.3	**6.70**	**6.70**	**6.70**	**0**	0.04	0.14	0.06	0.25
LT-II(D)	(D) : Green Power	0.18	0	0	0.18	**12.25**	**12.25**	**12.25**	**0**	0.23	0.00	0.00	0.23
	LT Cat-III : Industry												
LT-III(A)	(A): Industry (General)	569.84	511.81	475.4	1557.05	**6.70**	**6.70**	**6.70**	**75**	505.58	447.38	410.98	1363.94
LT-III(B)	(B): Seasonal Industries (off season)	1.21	2.27	0.98	4.46	**7.45**	**7.45**	**7.45**	**75**	1.08	1.79	0.77	3.63
LT-III(D)	(D): Cottage Industries upto 10HP	48.95	9.17	3.05	61.17	**3.75**	**3.75**	**3.75**	**20**	23.72	3.99	2.55	30.26
	LT Cat-IV : Institutional												
LT-IV(A)	(A): Utilities (Street lighting,CPWS/PWS and NTR Sujala Pathakam)	673.71	248.59	324.69	1246.99	**7.00**	**7.00**	**7.00**	**75**	546.68	195.66	350.93	1093.26
LT-IV(B)	(B): General Purpose	125.27	72.11	105.42	302.8	**7.00**	**7.00**	**7.00**	75	109.75	60.73	104.78	275.26
	(C): Religious Places												
LT-IV(C)	(i) <= 2kW other than Goshalas	6.17	8.45	12.44	27.06	**3.85**	**3.85**	**3.85**	**30**	3.19	4.14	8.51	15.84
LT-IV(C)	(ii) > 2kW	6.13	6.53	3.61	16.27	**5.00**	**5.00**	**5.00**	**30**	3.69	3.76	3.22	10.67
LT-IV(C)	(iii) Goshalas	0.00	0	0	0	3.85	3.85	3.85	30	0.00	0.00	0.00	0.00
	LT Cat-V : Agricultural & Related												

Category	Consumer Category	SALES (MU)				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr.)			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrge	SPDCL	EPDCL	CPDCL	Total
	(A): Agriculture												
LT-V(A)	(i) Corporate Farmers & IT Assesses	3.03	4.4	8.52	15.95	**7.10**	**7.20**	**6.92**	**0**	2.38	3.41	6.03	11.82
LT-V(A)	(ii) Non-Corporate Farmers	5909.26	1958.325	2,315.60	10183.19	**7.72**	**7.64**	**6.78**	**0**	4605.73	1512.83	1582.50	7701.06
LT-V(A)	(iii) Salt farming units with Connected Load upto 15HP	0.86	1.93	0.41	3.204	**6.90**	**7.25**	**6.99**	**0**	0.67	1.49	0.29	2.45
LT-V(A)	(iv) Sugarcane crushing	0.03	0	0.23	0.264	**6.20**	**0.00**	**7.10**	**0**	0.02	0.00	0.16	0.19
LT-V(A)	(v) Rural Horticulture Nurseries	0.33	4.43	14.22	18.984	**7.50**	**7.37**	**7.10**	**0**	0.26	3.42	10.16	13.84
LT-V(A)	(vi) Floriculture in Green House	0.07	0.01	0.04	0.12	**6.20**	**4.50**	**4.40**	**75**	0.05	0.01	1.19	1.25
LT-V(B)	(B): Aquaculture and Animal Husbandry	667.92	1139.52	2,176.61	3984.05	**6.95**	**7.12**	**6.73**	**30**	520.58	880.29	1541.04	2941.91
LT-V(D)	(D): Agro Based Cottage Industries upto10HP	0.18	0.71	0.39	1.28	**6.59**	**7.10**	**6.45**	**20**	0.14	0.55	0.28	0.96
LT-V(E)	(E): Government/Private Lift Irrigation Schemes	1.81	4.38	0	6.19	**7.09**	**7.40**	**6.40**	**0**	1.41	3.40	0.00	4.81
	HT Category												
	HT Cat-I : Domestic												
	(B): Townships, Colonies, Gated Communities Villas												
HT-I(B)	11 kV	15.58	12.12	21.84	49.54	**7.00**	**7.00**	**7.00**	**75**	12.74	9.60	17.56	39.90
HT-I(B)	33 kV	2.10	2.46	11.69	16.25	**7.00**	**7.00**	**7.00**	**75**	1.78	2.00	8.57	12.34
HT-I(B)	132 kV	0.00	0	0	0	**7.00**	**7.00**	**7.00**	**75**	0.00	0.00	0.00	0.00
HT-I(B)	220 KV	0.00	0	0	0	**7.00**	**7.00**	**7.00**	**75**	0.00	0.00	0.00	0.00
	HT Cat-II : Commercial & Others												
	(ii) Major												
HT-II(A)	11 kV	309.93	315.71	495.26	1120.9	**7.65**	**7.65**	**7.65**	**475**	359.11	369.39	584.11	1312.62
HT-II(A)	33 kV	41.34	77.96	194.76	314.06	**6.95**	**6.95**	**6.95**	**475**	43.25	83.24	234.47	360.97
HT-II(A)	132 kV	43.12	0	43.59	86.71	**6.7**	**6.7**	**6.7**	**475**	39.14	0.00	40.78	79.93
HT-II(A)	220 KV	0.00	0	45.28	45.28	**6.65**	**6.65**	**6.65**	**475**	0.00	0.00	47.40	47.40
	Commercial, ToD												
HT-II(A)	11 kV	52.17	87.78	129.64	269.59	8.65	8.65	8.65	**0**	48.57	78.88	112.14	239.59
HT-II(A)	33 kV	8.68	18.54	49.2	76.42	**7.95**	**7.95**	**7.95**	**0**	7.47	15.36	39.11	61.94
HT-II(A)	132 kV	6.68	0	14.67	21.35	**7.70**	**7.70**	**7.70**	**0**	5.58	0.00	11.30	16.88
HT-I(B)	220 KV	0.00	0	10.04	10.04	**7.65**	**7.65**	**7.65**	**0**	0.00	0.00	7.68	7.68
	(iv) Function Halls/Auditoriums												
HT-II(A)	11 kV	5.36	10.17	14.94	30.47	**12.25**	**12.25**	**12.25**	**0**	7.04	13.05	19.83	39.92
HT-II(A)	33 kV	0.00	0	0	0	**12.25**	**12.25**	**12.25**	**0**	0.00	0.00	0.00	0.00
HT-II(A)	132 kV	0.00	0	0	0	**12.25**	**12.25**	**12.25**	**0**	0.00	0.00	0.00	0.00
HT-II(A)	220 KV	0.00	0	0	0	**12.25**	**12.25**	**12.25**	**0**	0.00	0.00	0.00	0.00

Category	Consumer Category	SALES (MU)				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr.)			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrge	SPDCL	EPDCL	CPDCL	Total
	(B): Start up power												
HT II(B)	11 kV	0.03	0.01	0.04	0.08	**12.25**	**12.25**	**12.25**	**0**	0.04	0.01	1.27	1.32
HT II(B)	33 kV	28.61	1.76	4.24	34.61	**12.25**	**12.25**	**12.25**	**0**	38.16	2.36	5.27	45.80
HT II(B)	132 kV	4.64	0.24	4.42	9.3	**12.25**	**12.25**	**12.25**	**0**	6.06	0.31	7.10	13.47
HT II(B)	220 KV	1.29	0	2.6	3.89	**12.25**	**12.25**	**12.25**	**0**	1.68	0.00	3.19	4.87
	(C): Electric Vehicles (Evs) / Charging stations												
HT-II(C)	11 kV	0.27	0	0	0.27	**6.7**	**6.7**	**6.7**	**0**	0.21	0.00	0.00	0.21
HT-II(C)	33 kV	0.00	0	0	0	**6.7**	**6.7**	**6.7**	**0**	0.00	0.00	0.00	0.00
HT-II(C)	132 kV	0.00	0	0	0	**6.7**	**6.7**	**6.7**	**0**	0.00	0.00	0.00	0.00
HT-II(C)	220 KV	0.00	0	0	0	**6.7**	**6.7**	**6.7**	**0**	0.00	0.00	0.00	0.00
	(D): Green Power												
HT II(D)	11 kV	0.31	0.04	0	0.35	12.25	12.25	12.25	0	0.40	0.05	0.00	0.46
HT II(D)	33 kV	0.03	0	0	0.03	12.25	12.25	12.25	0	0.04	0.00	0.00	0.04
HT II(D)	132 kV	0.00	0.02	0	0.02	12.25	12.25	12.25	0	0.00	0.03	0.00	0.03
HT II(D)	220 KV	0.00	0	0	0	12.25	12.25	12.25	0	0.00	0.00	0.00	0.00
	HT Cat-III : Industry												
	(High Grid Demand)ToD (Feb'24, Mar'24), (Apr- May'23) & (Sep'23-Oct'23)												
	Peak (06-10) & (18-22)												
HT III(A)	11 kV	142.48	165.75	261.23	569.46	**7.80**	**7.80**	**7.80**	**475**	120.51	416.30	203.76	740.57
HT III(A)	33 kV	390.34	277.2	389.84	1057.38	**7.35**	**7.35**	**7.35**	**475**	312.60	464.26	286.53	1063.39
HT III(A)	132 kV	473.89	100.48	288.52	862.89	**6.90**	**6.90**	**6.90**	**475**	358.18	146.63	199.08	703.89
HT III(A)	220 KV	69.65	0	207.23	276.88	**6.85**	**6.85**	**6.85**	**475**	52.30	0.00	141.95	194.25
	Off-Peak (10 -15) & (00-06)												
HT III(A)	11 kV	165.17	142.45	330.78	638.4	**5.55**	**5.55**	**5.55**	**475**	102.55	83.85	183.58	369.98
HT III(A)	33 kV	448.40	302.48	498.17	1249.05	**5.10**	**5.10**	**5.10**	**475**	258.20	164.43	254.07	676.71
HT III(A)	132 kV	538.89	120.48	384.62	1043.99	**4.65**	**4.65**	**4.65**	**475**	286.06	60.07	178.85	524.99
HT III(A)	220 KV	81.95	0	272.26	354.21	**4.60**	**4.60**	**4.60**	**475**	43.10	0.00	125.24	168.34
	Normal (15-18) & (22-24)												
HT III(A)	11KV	153.82	168.76	195.57	518.15	**6.30**	**6.30**	**6.30**	**475**	372.70	111.99	475.31	960.00
HT III(A)	33KV	380.10	172.02	204.27	756.39	**5.85**	**5.85**	**5.85**	**475**	595.87	106.41	421.01	1123.29
HT III(A)	132KV	476.05	82.07	164.38	722.5	**5.40**	**5.40**	**5.40**	**475**	622.97	47.08	337.84	1007.89
HT III(A)	220 KV	69.94	0	122.65	192.59	**5.35**	**5.35**	**5.35**	**475**	111.91	0.00	199.57	311.48
	(Low Grid Demand) ToD (Jun'23-Aug'23) & (Nov'23-Jan'24)												

Category	Consumer Category	SALES (MU)				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr.)			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrge	SPDCL	EPDCL	CPDCL	Total
HT III(A)	**Peak (06-10) & (18-22)**												
HT III(A)	11KV	131.42	159.12	266.81	557.35	**7.30**	**7.30**	**7.30**	**475**	104.59	121.51	194.77	420.87
HT III(A)	33KV	367.96	284.14	377.48	1029.58	**6.85**	**6.85**	**6.85**	**475**	276.28	204.19	258.57	739.04
HT III(A)	132KV	439.40	91.21	278.68	809.29	**6.40**	**6.40**	**6.40**	**475**	310.15	61.44	178.36	549.95
HT III(A)	220 KV	68.54	0	189.38	257.92	**6.35**	**6.35**	**6.35**	**475**	48.03	0.00	120.26	168.29
HT III(A)	**Off-Peak (10 -15) & (00-06)**												
HT III(A)	11KV	156.34	147.54	337.68	641.56	**5.55**	**5.55**	**5.55**	**475**	97.06	86.84	187.41	371.32
HT III(A)	33KV	428.78	302.4	480.08	1211.26	**5.10**	**5.10**	**5.10**	**475**	246.91	164.38	244.84	656.13
HT III(A)	132KV	517.50	105.73	371.49	994.72	**4.65**	**4.65**	**4.65**	**475**	274.71	52.71	172.74	500.16
HT III(A)	220 KV	80.33	0	248.81	329.14	**4.60**	**4.60**	**4.60**	**475**	42.24	0.00	114.45	156.69
	Normal (15-18) & (22-24)												
HT III(A)	11KV	139.05	157.32	199.68	496.05	**6.30**	**6.30**	**6.30**	**475**	96.76	104.40	125.80	326.96
HT III(A)	33KV	364.31	143.48	197.24	705.03	**5.85**	**5.85**	**5.85**	**475**	237.11	88.76	115.39	441.25
HT III(A)	132KV	431.31	74.1	158.71	664.12	**5.40**	**5.40**	**5.40**	**475**	261.31	42.50	85.70	389.51
HT III(A)	220 KV	69.05	0	112.08	181.13	**5.35**	**5.35**	**5.35**	**475**	41.49	0.00	59.96	101.45
	Industrial colonies												
HT-III(A)	11KV	0.09	0.66	2.63	3.38	**7.00**	**7.00**	**7.00**	**0**	0.08	0.48	1.84	2.40
HT-III(A)	33KV	0.80	12.56	1.13	14.494	**7.00**	**7.00**	**7.00**	**0**	0.64	9.21	0.79	10.64
HT-III(A)	132KV	4.56	6.36	37.70	48.624	**7.00**	**7.00**	**7.00**	**0**	3.53	4.66	26.39	34.58
HT-III(A)	220 KV	3.89	0	40.17	44.06	**7.00**	**7.00**	**7.00**	**0**	2.99	0.00	28.12	31.11
	(B): Seasonal Industries(Off Season)												
HT-III(B)	11KV	7.42	0.31	16.91	24.64	**7.65**	**7.65**	**7.65**	**475**	12.07	0.39	24.28	36.75
HT-III(B)	33KV	0.65	0	11.41	12.06	**6.95**	**6.95**	**6.95**	**475**	0.97	0.00	11.80	12.77
HT-III(B)	132KV	0.00	0	0	0	**6.70**	**6.70**	**6.70**	**475**	0.00	0.00	0.00	0.00
HT-III(B)	220 KV	0.00	0	0	0	**6.65**	**6.65**	**6.65**	**475**	0.00	0.00	0.00	0.00
	(C): Energy Intensive Industries												
HT-III(C)	11 kV	1.53	1.16	0.00	2.69	**5.80**	**5.80**	**5.80**	**475**	1.98	0.87	0.00	2.85
HT-III(C)	33 kV	146.04	8.50	335.76	490.30	**5.35**	**5.35**	**5.35**	**475**	103.90	6.55	213.49	323.94
HT-III(C)	132 kV	368.07	0.00	2387.44	2755.51	**4.95**	**4.95**	**4.95**	**475**	250.17	0.00	1407.84	1658.01
HT-III(C)	220 KV	0.00	0.00	1386.08	1386.08	**4.90**	**4.90**	**4.90**	**475**	0.00	0.00	793.67	793.67
	HT Cat-IV : Institutional												
	(A): Utilities (Composite Protected Water Supply Schemes)												
HT-IV(A)	11KV	102.45	82.51	110.94	295.9	**7.65**	**7.65**	**7.65**	**475**	105.01	81.42	118.62	305.04
HT-IV(A)	33KV	69.71	0	10.54	80.25	**6.95**	**6.95**	**6.95**	**475**	67.00	0.00	9.63	76.64

Category	Consumer Category	SALES (MU)				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr.)			
		SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrge	SPDCL	EPDCL	CPDCL	Total
HT-IV(A)	132KV	0.00	0	0	0	**6.70**	**6.70**	**6.70**	**475**	0.00	0.00	0.00	0.00
HT-IV(A)	220 KV	0.00	0	0	0	**6.65**	**6.65**	**6.65**	**475**	0.00	0.00	0.00	0.00
	(B): General Purpose												
HT-IV(B)	11KV	55.81	47.95	34.62	138.38	**7.95**	**7.95**	**7.95**	**475**	64.80	51.88	41.96	158.63
HT-IV(B)	33KV	3.11	22.28	0	25.39	**7.25**	**7.25**	**7.25**	**475**	3.80	24.18	0.00	27.98
HT-IV(B)	132KV	0.00	0	0	0	**7.00**	**7.00**	**7.00**	**475**	0.00	0.00	0.00	0.00
HT-IV(B)	220 KV	0.00	0	0	0	**6.95**	**6.95**	**6.95**	**475**	0.00	0.00	0.00	0.00
	(C): Religious Places												
HT-IV(C)	11KV	11.22	1.96	5.37	18.554	**5.00**	**5.00**	**5.00**	**30**	6.56	1.13	4.00	11.68
HT-IV(C)	33KV	34.99	0	0	34.99	**5.00**	**5.00**	**5.00**	**30**	20.07	0.00	0.00	20.07
HT-IV(C)	132KV	0.00	0	0	0	**5.00**	**5.00**	**5.00**	**30**	0.00	0.00	0.00	0.00
HT-IV(C)	220 KV	0.00	0	0	0	**5.00**	**5.00**	**5.00**	**30**	0.00	0.00	0.00	0.00
	(D) Railway Traction												
HT-IV(D)	11KV	0.00	0	0	0	**5.50**	**5.50**	**5.50**	**350**	0.00	0.00	0.00	0.00
HT-IV(D)	33KV	0.00	0	0	0	**5.50**	**5.50**	**5.50**	**350**	0.00	0.00	0.00	0.00
HT-IV(D)	132KV	731.34	477.18	1,007.95	2216.47	**5.50**	**5.50**	**5.50**	**350**	563.32	339.48	672.81	1575.62
HT-IV(D)	220 KV	148.47	0	0	148.47	**5.50**	**5.50**	**5.50**	**350**	117.92	0.00	0.00	117.92
	HT Cat-V : Agricultural & Related												
	(B): Aquaculture and Animal Husbandry												
HT-V(B)	11KV	30.57	20.30	26.21	77.088	**3.85**	**3.85**	**3.85**	**30**	14.28	9.05	11.72	35.05
HT-V(B)	33KV	0.00	0	0	0	**3.85**	**3.85**	**3.85**	**30**	0.00	0.00	0.00	0.00
HT-V(B)	132KV	0.00	0	0	0	**3.85**	**3.85**	**3.85**	**30**	0.00	0.00	0.00	0.00
HT-V(B)	220 KV	0.00	0	0	0	**3.85**	**3.85**	**3.85**	**30**	0.00	0.00	0.00	0.00
	(E): Government / Private Lift Irrigation												
HT-V(E)	11KV	25.19	50.13	21.98	97.299	**7.15**	**7.15**	**7.15**	**0**	19.87	38.05	26.95	84.86
HT-V(E)	33KV	137.24	25.17	65.304	227.704	**7.15**	**7.15**	**7.15**	**0**	107.34	18.90	69.04	195.28
HT-V(E)	132KV	501.08	0.64	0	501.72	**7.15**	**7.15**	**7.15**	**0**	391.33	0.48	0.00	391.81
HT-V(E)	220 KV	843.85	0	2.62	846.474	**7.15**	**7.15**	**7.15**	**0**	658.98	0.00	69.87	728.84
HT	**RESCO**	483.47	0	0	483.47	-	-	-	**0**	104.14	0.00	0.00	104.14
	TOTAL(LT + HT)	**25837.68**	**15060.04**	**26992.49**	**67890.21**					**19351.24**	**11393.01**	**18349.31**	**49093.56**
						Cross Subsidy Surcharge :				106.18	32.57	35.18	173.93
Note:Demand charges are as per RST schedule for FY 2023-24.						**Total Full cost Recovery Revenue:**				**19457.42**	**11425.58**	**18384.49**	**49267.49**

ANNEXURE – 13
MINUTES OF THE SAC MEETING

ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
#11-4-660, 4th Floor, Singareni Bhavan, Red Hills, Khairatabad
Hyderabad 500 004 Phones: 23397 - 381, 399, 556, 656 Fax: 2339 7378

Minutes of the 18th State Advisory Committee Meeting

Date: 20th February 2023

Held at the headquarters of APSPDCL in Tirupati

Agenda: Views and suggestion on the Annual Revenue Requirement (ARR), Tariff, and Cross Subsidy Proposals for Retail Supply Business for FY 2023-24 filed by APDISCOMs.

PRESENT

Hon'ble Justice C.V. Nagarjuna Reddy, Chairman/APERC
Sri P. Rajagopal Reddy, Member/APERC
Sri Thakur Rama Singh, Member/APERC
Sri K. Raja Bapaiah, Secretary (i/c)/APERC

Members

Dr Narasimha Reddy Donthi
Sri Nahlur Sree Kumar
Sri Jogendra Behera
Sri Peravali Koti Rao
Sri P.L. Bheemesh
Sri Kandregula Venkataramana
Sri B. Vamsi Srinivas
Sri V.S.R.K. Ganapathi

Special Invitees

Sri P. Janardhana Reddy, CMD/APCPDCL
Sri N.V.S. Subba Raju, Director/Technical/APSPDCL
Sri A.V.V. Surya Pratap, Director/Projects/APEPDCL

*****

The Hon'ble Chairman extended a cordial welcome to the members and proceeded to highlight the numerous initiatives undertaken by the Commission over the past two years with the aim of ensuring a reliable and high-quality power supply, promoting transparency and accountability among DISCOMs, and improving the operational and financial stability of both DISCOMs and APTRANSCO, which included:

- Implementation of 'Automatic Payment of Compensation Mechanism' to hold DISCOMs accountable for non-compliance with standards of performance in critical areas. This mechanism has had a significant impact on the DISCOMs' mindset, encouraging greater

accountability and the provision of more prompt and effective services, due to the potential threat of having to pay compensation.

- Improvement of transparency and efficiency in the release of agriculture services by directing DISCOMs to strictly adhere to seniority lists and display them on their websites. This initiative has led to the timely release of power supply to agriculture consumers, without there being any waiting lists.
- Directions to the utilities to make regulatory information readily available to consumers on their websites. This information will keep consumers informed about the latest developments and changes in the regulatory landscape.
- Notification of Regulation requiring DISCOMs to obtain approval before engaging in short-term power purchases, except in emergency situations. The Commission is meticulously examining the proposals for such purchases and grants approval only upon satisfaction with their necessity.
- Directions to DISCOMs to cooperate with AP State Energy Efficiency Development Corporation Limited to launch a pilot project in three districts to implement on-bill financing model for encouraging energy-efficient appliance usage. Under this scheme, energy-efficient fans, bulbs, and air conditioners are distributed to consumers in the state on a credit basis, with the aim of reducing energy consumption and promoting sustainability.
- Obtaining periodical reports on safety measures being implemented and issuing directions to the DISCOMs with the aim of reducing the number of electrical accidents and ensuring expeditious payment of compensation though safety measures fall within the realm of the Chief Electrical Inspectorate,
- Conduct of regular field visits to inspect substations and feeders and holding review meetings in various districts to evaluate the performance of DISCOMs and issue appropriate directions for strengthening the network, reducing feeder overloads, and improving overall performance.
- Revival of sick industrial policy, which relieves industries of the obligation to pay minimum charges to support sick industries and promote industrial growth.
- Directions to DISCOMs to exclude electricity duty from the calculation of additional security deposits for industrial and other consumers.

After sharing the above, the Hon'ble Chairman requested the members to provide their valuable views and suggestions on the different aspects of the ARR proposals.

Views and suggestions of the members

Sri N. Sree Kumar

- He commended the recent initiatives undertaken by the Commission, while also advocating for a more proactive role for Regulatory Commissions in power purchase planning.
- He emphasized the importance of adopting a long-term perspective when planning for power supply, and highlighted the issue of power purchase decisions being made outside

of the regulatory process, often without adequate consideration of load forecast and resource availability.

- He recommended the implementation of a power procurement plan that takes into account the intermittent nature of renewable energy, which has become a significant part of the energy mix. Specifically, he suggested adopting a block-wise approach that would allow for the identification of surplus or shortage scenarios, facilitating effective market purchases or storage planning. This approach would enable the deployment of appropriate storage solutions, including battery or pumped storage, to address fluctuations in supply and demand.
- He observed that pumped storage, despite its ability to provide crucial energy storage capabilities, is not without its own energy consumption requirements. He further noted that during peak hours, the tariff for pumped storage should be carefully considered, as it can have a significant impact on the overall cost-effectiveness of energy supply and storage solutions.
- He requested the Commission to encourage the DISCOMs to do resource adequacy studies to ensure the reliability of supply.
- He expressed concerns about the financial health of the DISCOMs and pending dues from the GoAP.
- He suggested the implementation of virtual net metering systems with captive solar power as an alternative to introducing prepaid meters for essential services such as water works where it is not feasible to disconnect such services because of their essential nature. This, he felt, would reduce the cost of supply to government offices and help alleviate the financial stress faced by DISCOMs.
- He suggested expanding the ToD (Time of Day) base and implementing a ToD tariff based on supply variations to increase revenue.
- He emphasized the importance of all power purchase decisions going through a regulatory process, including planning, investments and payments to the DISCOMs.
- He suggested that the Commission could consider advising the GoAP to set up a committee with representatives from various departments, including finance, academia, and distribution companies to look at the financial health of DISCOMs and make a plan to regain the financial health of the DISCOMs.
- He briefly described their study of the DBT metering that was implemented in the Srikakulam district. He commended the APEPDCL staff for installing 28,000 meters on pump sets in the Srikakulam district and noted that farmers did not seem to be concerned about the installation of meters as they will not be paying anything extra. In fact, there are positive comments that at least somebody from DISCOMs would be coming periodically to take the meter readings providing an opportunity for the farmers to get their problems addressed. However, he expressed concern that some of the meters are not vermin and waterproof and that 20% of meters failed in a year and that the validity of meter data is 55% only. He noted that the 20 % estimated reduction in agricultural consumption may

not be attributable to the metering solely as other factors such as rainfall and utilization could also be at play.

- He recommended estimating agricultural consumption either by increasing the samples of DTR meters or using feeder metering data to make approximations and that sampling through agricultural meters could be tried throughout the State using IR or GSM technology. He emphasized the need for improving the estimation of agricultural consumption through a committee led by APERC, as the government's smart metering program may take time to stabilize.
- He commended the Commission for its recent efforts in revising the Standard of Performance (SOP) Regulation and implementing automatic compensation for the failure to meet the quality of supply and service. However, he suggested that it would be helpful to have a breakdown of compensation paid through automatic and non-automatic means, in order to gain a better understanding of the effectiveness of these methods.
- Additionally, he felt the need to improve the reporting and tracking of SOPs to ensure that benchmarks set by the Commission are met and further tightened.
- He suggested that it is important to calculate reliability loss separately for different types of events, such as planned power outages, natural disasters, and failures in the transmission system. That by recording these losses separately, one can better understand the impact of each type of event on the power supply and take steps to make DISCOMs more resilient. The Hon'ble Chairman clarified that the DISCOMs are required to submit the reports related to these events also.
- He also suggested that the DISCOMs should prepare for resilience and report separately on reliability loss due to climate-related disasters. That this report should include the maximum number of event days and the amount of power supply lost due to planned outages.
- He felt that a review of energy efficiency projects that were implemented in 2017 and 2018 for one lakh pump sets and one lakh fans is necessary as the expected savings from agricultural pump sets at 20% to 30% were based on normative savings claimed by manufacturers and that the actual savings may vary depending on the ground situation.
- He deemed it necessary to evaluate the effectiveness of surveys, training programs, and safety reporting in reducing accidents. He observed that accidents are often reported in terms of the number of fatalities, non-fatal injuries, and animal accidents. He suggested that it is essential to normalize this data based on specific parameters. That the CEA normalizes accidents based on energy sold, while for public safety concerns, it is normalized based on the population. He noted that while the national average for fatal accidents per year is one per one lakh of the population, the APDISCOMs have a higher rate than the national average.
- He expressed his appreciation for the increased participation that virtual hearings have allowed. However, he felt that physical hearing should not be discontinued entirely, as there is no substitute for in-person interaction. Therefore, he requested the Commission

to consider continuing the hybrid mode of public hearings, with at least one or two locations reserved for physical hearings. He emphasized that in-person hearings provide a crucial opportunity for people to not only speak to the authorities but also to one another, allowing for informal interaction that is essential.

Sri Narasimha Reddy Donthi

- He expressed disappointment with the lack of results regarding Telugu translation work. The Hon'ble Chairman replied that nobody is coming forward to undertake the task despite Commission's best efforts.
- He raised concerns about the collection and non-refund of DTR charges to the aqua and animal husbandry consumers contending that Regulation 6 of 2021 which was notified on 31.12.2021 is not applicable to them as these consumers applied for service connections prior to the notification of the said Regulation. The Hon'ble Chairman directed DISCOMs to examine the matter and take appropriate action and requested him to furnish the information to the Commision about specific cases where amounts were not refunded.
- He suggested that the power scenario report should be released prior to the filing of ARRs either by the energy department or by the DISCOMs.
- He suggested the adoption of a 3-year ARR format by the DISCOMs.
- He sought the reasons for variations in other income and increases in employee costs in APEPDCL and APSPDCL.
- He suggested that DISCOMs should take into account natural phenomena like El Nino for forecasting demand.
- He suggested that the DISCOMs should take into consideration the expected spike in temperatures during the next summer for forecasting demand.
- He questioned why the DISCOMs have not proposed tariff hikes despite suffering financial losses.
- He suggested that DISCOMs should take into account the entire supply chain economics.

Sri Peravali Koti Rao

- He appreciated the transparency measures taken by the Commission for agriculture but felt that the industry needs similar attention.
- He requested the adoption of MYT tariffs for Retail Supply for FY 2024-29 and a review of differences in tariffs between 33KV and 132KV voltage levels.
- He requested uniform true-up charges among DISCOMs.
- He noted that despite no increase in tariff in the last 3-4 years, the payments from industrial consumers have been increasing due to factors such as true-up and ED charges, etc.
- He contended that the DISCOMs should take responsibility for meter changes to avoid imposing unnecessary expenses on industrial consumers. He suggested that DISCOMs could place orders for meters at competitive prices and ensure proper calibration to reduce the financial burden on industrial consumers.

- He requested clear guidelines and regulations for the installation and synchronization of rooftop solar plants and raised concerns about rising network costs despite the increase in sales and reduction in network losses.
- He suggested that DISCOMs should reduce tariffs for industrial consumers by at least 75 paise to discourage them to go in for market purchases.
- He suggested that the DISCOMs should install EV charging stations at 33 kV SS and also on roadsides in collaboration with restaurants to increase their revenue.
- He contested the imposition of grid support charges on non-co-located plants.
- On a query from the Hon'ble Chairman on what his views are on having two different sets of tariffs for energy-intensive industries, i.e. one set of tariff for consumers who avail open access and another set of tariff for consumers who do not avail open access, he stated that he welcomes it and that even ferro alloy industries may be willing for such tariff.
- He requested that the consent of the industrial consumers who developed the line should be taken while releasing service to others on the same line including appropriate compensation to the developer. Further, he requested the Commission to issue clear instructions in this regard.

Sri Jogendra Behera

- He stated that factors such as the gap between demand and supply, the scarcity of coal, and high prices of imported coal and gas are contributing to high market prices.
- He stated that renewable energy sources such as hydro and wind are expected to become available after March-April, which may provide some relief from power shortages.
- He explained that the price cap of 12 rupees per unit fixed by CERC is applicable to all the exchange transactions except the high-priced day-ahead transactions.
- He stated that the DISCOMs have the option to purchase costlier power from the high-priced day-ahead market for maintaining 24x7 supply.
- On a query from the Hon'ble Chairman, he opined that the price cap will continue at least up to September 2023 and that if all the buyers quote at the price cap, power will be allocated on a pro-rata basis.
- He felt that short-term power procurement is important for meeting demand and optimizing power procurement costs.
- He explained that contracts for up to three months are available on the IEX, and that power can be procured for up to 11 months once the GNA Regulation is finalized.
- He brought to the notice of the members about the availability of the day ahead and term ahead market for green energy in IEX which the DISCOMs can take advantage of to sell their surplus green power.
- He stated that tools and technologies are available that can aid in decision-making related to power procurement.

Sri Kandregula Venkataramana

- He appreciated the Commision for taking a bold decision in merging Anakapalle RESCO with APEPDCL. Similar to Anakapalle RESCO, he requested the Commission to merge Cheepurupalli and Kuppam RESCOs with the respective DISCOMs.
- He opined that the consumers in Anakapalle RESCO are receiving better services from APEPDCL after the merger.
- He stated that the cost of service of DISCOMs is far higher than the price at which they sell power to the Cheepurupalli and Kuppam RESCOs and sought clarification on who is bearing the losses due to these differences.
- He suggested that DISCOMs should prepare pamphlets highlighting the benefits of smart and prepaid meters to dispel consumer apprehensions.
- On the suggestion of the Hon'ble Chairman, he agreed to educate the consumers about smart meters and requested DISCOMs to provide the necessary material.
- He suggested publicising about CGRF consumer meets through local bodies, DRDA, and Youth Services for larger participation of the consumers.
- He requested the DISCOMs to serve advance notices to the consumers regarding the collection of ACD charges and sought clarification on the utilization of ACD charges to enhance the capacity of DTRs.
- He stated that AICTE has developed a software tool which is better than Google for translating the content into regional languages and that the Commission can take its help in translating the content into Telugu. The Hon'ble Chairman suggested to him to coordinate with the Commission Secretary in this matter and that the Commission will extend all the possible help to him.
- He requested the Commission to meanwhile arrange for translation of consumer services rules, etc. which run into few pages only and place them on the Commission's website for the benefit of common consumers.

Sri V.S.R.K. Ganapathy

- He thanked the Commission for taking measures to reduce the costs incurred by the DISCOMs and increasing their accountability.
- He stressed the need to recruit additional employees in the DISCOMs as there are only 1.38 employees per one thousand consumers as of now against the requirement of 2.03 employees per one thousand consumers. That with the recruitment of additional staff, the internal efficiency of DISCOMs will improve leading to a reduction of technical and commercial losses and helping in extending quality supply to the consumers. In this regard, he quoted some statistics on employees in APEPDCL.
- He requested the Commission to recommend to the GoAP to direct the DISCOMs to recruit the required number of employees to provide better services to the consumers and reduce the technical and commercial losses.

Sri P.L. Bheemesh

- He thanked the Hon'ble Chairman for enlightening the members about the various activities and measures taken by the Commission over the past few years

- He expressed his concerns regarding the functioning of the DISCOMs, particularly in terms of the distribution of quality power to consumers, accidents, theft, and collection of bills and requested the DISCOMs to take appropriate measures to address these issues.
- He brought to the notice of the members the concerns raised by the industrial consumers about the differences in true-up charges among DISCOMs.
- He suggested that DISCOMs should partner with NGOs to conduct awareness sessions on smart metering and energy conservation.
- He requested the creation of a toll-free number so that the consumers can interact with the DISCOMs.
- He highlighted the state government's efforts to attract investments and emphasized the need for availability of 24/7 and 365 days quality power.
- He urged all the stakeholders to work towards creating an ecosystem that satisfies existing and new prospective investors.

Replies of DISCOMS

Sri A.V.V. Surya Pratap on behalf of APEPDCL

- He thanked the Commission for its continued support and guidance in improving the performance of the DISCOM and setting new consumer service standards. He also thanked the government for releasing subsidies on time, which has greatly aided their efforts in the past few years.
- He noted that the Direct Benefit Transfer scheme has received positive feedback from farmers and whatever concerns exist are among non-beneficiaries only.
- He stated that APEPDCL is addressing environmental concerns with better quality, environmentally friendly metering boxes for agricultural services.
- He explained that APEPDCL is working towards making the DISCOM accident-free by investing significant amounts to rectify the defects found in recent surveys and is also conducting awareness programs.
- He replied that APEPDCL will examine the issue of refund of DTR costs collected in the Amalapuram region on a case-by-case basis and furnish a report to the Commission within a week.
- He replied that HT consumers are not being charged for meter costs unless the meter is damaged/burnt. That even first-time burnt meters are being replaced at the DISCOM's expense
- He explained that the rise in employee costs in FY 2019-20 was due to the allocation of funds towards pensions and that the variations in revenue and demand are mainly due to the pandemic.
- He explained that the increase in network cost may seem high in absolute terms but is comparatively low when expressed as a percentage and that in fact, the network cost in APDISCOMs is the lowest when compared to that in other DISCOMs in the country.He further highlighted that the network cost is even lower when inflation and other factors are taken into account.

- He stated that APEPDCL plans to provide a continuous and reliable power supply to industrial consumers through separate and express feeders, which is increasing network costs.
- He also noted that there used to be objections on supply interruptions during the past public hearings, which no longer is the case, which indicates that DISCOMs are performing well.
- He mentioned that APEPDCL is taking steps to prepare for natural calamities including converting 25% of the network in Vishakhapatnam city to underground cable and proposing to convert the remaining network under the RDS scheme.
- He shared that APTRANSCO has an advanced and in-house developed artificial intelligence forecasting tool, which other states are trying to emulate.
- He clarified that surplus power was projected based on monthly availability but not on 15-minute block-wise.

Sri P. Janardhana Reddy on behalf of APCPDCL

- He stated that installing solar rooftop panels in government offices is under consideration by the GoAP.
- He replied that the increase in network costs is due to the measures being taken to ensure an uninterrupted power supply and improve supply quality.
- He noted that departmental accidents have decreased significantly, and that staff are being trained to reduce public accidents.
- He stated that DBT meter boxes have safety features such as MCBs to protect DTRs and agricultural motors.
- He replied that difficulties in synchronizing solar rooftop plants will be addressed after discussing with Sri P. Koti Rao.
- He explained that prepaid meters are advantageous for consumers as they provide greater control over consumption and help avoid payment defaults. That the meters are being provided to those with monthly consumption of 200 units or more.
- He stated that the new 800 MW unit of the Krishnapatnam Power Plant has already been synchronized, and with the expected commissioning of the new 800 MW unit of Dr NTTPS, the DISCOMs do not anticipate any power shortages in the next fiscal year.
- He noted that APCPDCL is conducting weekly consumer meets and will approach DRDA for wider publicity of the event.
- He clarified that advance notices are being served for ACD charges and that a decision on staff recruitment will be made after discussing it in the board meeting.

Sri N.V.S. Subba Raju on behalf of APSPDCL

- He stated that procurement of meters for agricultural services is in progress, and tenders have been called for installing smart meters for other services with monthly consumption of over 200 units, as well as for government offices.

- He stated that as more accidents are occurring in the Anantapur district, every line, substation, road crossing, and pole in the district is being inspected to identify and rectify defects.
- He replied that the issue of refund of DTR costs for services applied before December 31st, 2021, will be examined, and necessary action will be taken.
- On the standardization of ARR formats, he replied that APDISCOMs are filing the ARRs in accordance with Regulation 4 of 2005.
- He replied that wider publicity will be given through DRDA for consumer meets.
- Regarding the ACD charges, he replied that advance notices are being served for the collection of ACD charges, and if payments are not received, services are being disconnected or ACD charges are being included in monthly bills.
- When he raised the issue of the merger of Kuppam RESCO in APSPDCL, the Hon'ble Chairman stated that the Commission will take appropriate action at an appropriate time.

Hon'ble Chairman's closing remarks

The Hon'ble Chairman thanked the members for actively participating in the meeting and stated that whatever suggestions that are found relevant will certainly be considered while finalizing the ARR and Tariffs. He directed the DISCOMs to bestow their attention on various suggestions given by the members. He emphasized that the ultimate aim of the organizations is to enhance the system's efficiency and serve the consumers' interests in the best possible manner. He invited suggestions and views from members in the future and clarified that they need not necessarily be conveyed through meetings but can also be communicated to the Commission in writing directly. He concluded that the Commission is open to changes in the system in order to achieve the goal of providing high-quality services to consumers at reasonable tariffs.

Vote of thanks by the Commission Secretary

He thanked the members of the SAC for their insightful suggestions and for contributing to the success of the meeting. He also extended his appreciation to the CMDs, Directors, and officers who graced the event with their presence and especially thanked the CMD, Directors, and officers of APSPDCL for hosting the meeting and ensuring that all arrangements were in order.

Encl: Written views and suggestions submitted by members, Sri Narasimha Reddy Donthi, Sri N. Sree Kumar, Sri Peravali Koti Rao and Sri A. Chandrasekhar Reddy.

Commission Secretary (I/c)

ANNEXURE – 14
GOVERNMENT LETTER ON SUBSIDY FOR FY2023-24

File No.ENE01-APER0MISC/3/2023-POWER-III

GOVERNMENT OF ANDHRA PRADESH
ENERGY (POWER-III) DEPARTMENT

Letter No. 2025101/ENE01-APER0MISC/3/2023-POWER-III, Date: 20/03/2023

From
The Special Chief Secretary to Government,
Energy Department,
A.P. Secretariat,
Velagapudi.

To
The Commission Secretary,
A.P. Electricity Regulatory Commission,
Hyderabad.

Sir,

Sub: Energy Dept. - APERC – ARR and Tarif proposals for retail supply for the financial year 2023-24 – Subsidy proposals – Decision of the Govt. – Communicated – Reg.

Ref:From the Commission Secy. APERC letter No. APERC/Secy/Tariff/F: 87/D.No.525/2023, Date:16.03.2023.

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I am to invite your attention to the reference cited and to inform that Government hereby undertakes to provide subsidy amounts determined by the Andhra Pradesh Electricity Regulatory Commission under Section 65 of the Electricity Act, 2003.

Yours faithfully,
K.vijayanand Ias
Special Chief Secretary

Signed by K.vijayanand
Ias
Date: 20-03-2023 16:51:15
Reason: Approved

ANNEXURE – 15
COMMISSION'S APPROVAL FOR SHORT TERM POWER PURCHASE DURING APRIL 2022

ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
#11-4-660, 4th Floor, Singareni Bhavan, Red Hills, Khairatabad
Hyderabad 500 004 Phones: 23397 - 381, 399, 556, 656 Fax: 2339 7378

Lr.No.APERC/Secy/F:T- 52/D.No.412/2023, Date:25-02-2023.

Sir,

Sub:- APERC- Procurement of power on a short-term basis during April 2023 through the National DEEP e–bidding portal - Tender event: APPCC/Short/ET/240/23, Dt: 19.01.2023- Results of e-Reverse Auction - Request of the DISCOMS for reconsideration of the Commission's decision - Revised Instruction- Issued- Reg.

Ref:- 1) Lr. No. PPCC/CGM(PP)/GM(PP)/DGM(Trading)/F.STPP/D.No.221 /2023, dt:23.02.2023
2) Commission's Letter dated 23.02.2023

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Vide reference (1) cited, the DISCOMS have requested for reconsideration of the Commission's decision in respect of the power procurement of 748 MW power at an average price of Rs.9.75 per unit bringing the following new facts to the notice:

- "The second stage of SDSTPS (1X800 MW) is expected to get commissioned in the last week of February 2023, instead of 1st December 2022 as proposed in ARR Filings. As such the entire capacity may not be available for absorption until the unit fully stabilizes and overcomes teething troubles.
- As per the ARR Filings, the 5th stage of VTPS (1X800 MW) is ought to be commissioned from 1st April 2023. But as per the information made available from AP Genco, the Unit may get commissioned by June 2023 and is not certainly available for the month of April 2023".

On examination of the submissions of the DISCOMS in this regard in detail vis a vis their latest submissions on power procurement plan for FY 2023-24 in respect of their ARR & FPT proposals on 22.02.2023 which does not mention any shortfall of energy for April 23 for three DISCOMS together, it is disquieting that there seems to be a serious lack of coordination and understanding between the

DISCOMS and APSLDC in capturing the realistic scenarios and demand estimations. The same should be avoided in future .

Keeping the new facts into consideration and the spurt in demand for power & prices in the exchanges for the last few days, and to avoid unscheduled power cuts during peak summer to the consumers and to avoid unwarranted R&C measures as was imposed during FY 2022-23, the Commission decides to permit the DISCOMS to issue the Letter of Awards (LoAs) to the successful bidders of the e- reverse auction dated 08.02.23 qua the tender dated 19.01.23 for procurement of 748 MW power @ an average price of Rs.9.75 per unit during April 23 on a short-term basis. Accordingly, the DISCOMS may take action under intimation to the Commission.

(By order of the Hon'ble Commission)

Yours faithfully,

Commission Secretary(i/c)

To

The Chairman & Managing Director/APSPDCL/Tirupati.
The Chairman & Managing Director/APEPDCL/Visakhapatnam.
The Chairman & Managing Director/APCPDCL/Vijayawada.

A C R O N Y M S

ABR	Average Billing Rate
ACoS	Average Cost of Service
Agl	Agriculture/Agricultural
AP	Andhra Pradesh
APEPDCL/EPDCL	Eastern Power Distribution Company of Andhra Pradesh Limited
APERC	Andhra Pradesh Electricity Regulatory Commission
APGENCO	Andhra Pradesh Power Generation Corporation Limited
APGPCL	Andhra Pradesh Gas Power Corporation Limited
APPCC	Andhra Pradesh Power Coordination Committee
APSPDCL/SPDCL	Southern Power Distribution Company of Andhra Pradesh Limited
APTRANSCO/TRANSCO	Transmission Corporation of Andhra Pradesh Limited
ARR	Aggregate Revenue Requirement
ATE/APTEL	Appellate Tribunal for Electricity
BPL	Below the Poverty Line
BST	Bulk Supply Tariff
CAG	Comptroller and Auditor General of India
CEA	Central electricity Authority
CC	Current Consumption
CERC	Central Electricity Regulatory Commission
CGRF	Consumer Grievance Redressal Forum
CGS	Central Generating Station
CL	Connected Load/Contracted Load
CMD	Contracted Maximum Demand/Chairman & Managing Director

CoD	Commercial operation Date
CoS	Cost of Service /Cost of Supply
CPWS	Composite Protected Water Supply
Cr.	Crore
CSC	Customer Service Centre
CUF	Capacity Utilisation Factor
D-D	Discom to Discom
DISCOMs	Distribution Companies, Distribution Licensees, Licensees
DPS	Delayed Payment Surcharge
DSM	Demand Side Management
DTR	Distribution Transformer
EVs	Electric Vehicles
EHT	Extra High Tension
ERC	Expected Revenue from Charges
FAPCCI	Federation of Andhra Pradesh Chamber of Commerce and Industry
FCRTS	Full Cost Recovery Tariff Schedule
FPT	Filing for Proposed Tariff
FRP	Financial Restructuring
Plan FY	Financial Year
GoAP	Government of Andhra Pradesh
GoI	Government of India
GTCS	General Terms & Conditions of Supply
GGPP	Godavari Gas Power Plant
HDPE	High-Density Polyethylene
HNPCL	Hinduja National Power Corporation Limited
HP	Horse Power
HT/HV	High Tension/High Voltage
HVDS	High Voltage Distribution System

IEGC	Indian Electricity Grid Code
IT	Information Technology
ISTS	Inter State Transmission
IPPs	Independent Power Producers
ISI	Indian Standards Institute / Indian Statistical Institute
kV	Kilo Volt
kVAh	Kilo-Volt-Ampere-hour
kWh	Kilo Watt hour
LED	Light-Emitting Diode
LI	Lift Irrigation
LT/LV	Low Tension/Low Voltage
LR	Load Relief
LKPL	LANCO Kondapalli Power Limited
LILO	Loop in Loop out
MoP	Ministry of Power
MoU	Memorandum of Understanding
MUs	Million Units
MW	Mega Watt
MYT	Multi Year Tariff
MOD	Merit Order Dispatch
NCE	Non-Conventional Energy
NGOs	Non-Government Organisations
NTP	National Tariff Policy
NTPC	National Thermal Power Corporation Limited
PGCIL	Power Grid Corporation of India Limited
PLF	Plant Load Factor
PPA	Power Purchase Agreement
PPC	Power Purchase Cost
PV	Photo Voltaic
PWS	Protected Water Supply
R&C	Restriction and Control

REC	Renewable Energy Certificate / Rural Electrification Corporation
RESCOs	Rural Electricity Cooperative Societies
RMD	Recorded Maximum Demand
RoR	Rate of Return
RTS	Reference Tariff Schedule
RTC	Round the Clock
RTPP	Rayalaseema Thermal Power Project
REMC	Renewable Energy Management Centres
RPPO	Renewable Power Purchase Obligations
RSM	Retail Supply Margin
SAC	State Advisory Committee
SCADA	Supervisory Control and Data Acquisition System
SLDC	State Load Despatch Centre
SECI	Solar Energy Corporation of India Limited
SRLDC	Southern Regional Load Dispatch Center
SPGL	Spectrum Power Generation Limited
SDSTPS	Sri Damodaram Sanjeevaiah Thermal Power Station
SoP	Standards of Performance
T&D	Transmission and Distribution
ULDC	Unified Load Despatch Centre
UMPP	Ultra Mega Power Project
VTPS	Vijayawada Thermal Power Station.
WSPL	Waneep Solar Pvt. Ltd.