



**ASSAM ELECTRICITY REGULATORY COMMISSION
(AERC)**

TARIFF ORDER

March 25, 2025

TRUE-UP for FY 2023-24,

APR for FY 2024-25,

ARR for FY 2025-26 to FY 2029-30

and

Tariff for FY 2025-26

FOR

Assam Power Distribution Company Limited

(APDCL)

Petition No. 21/2024

Table of Contents

I	
<u>1</u>	<u>INTRODUCTION 1</u>
1.1	CONSTITUTION OF THE COMMISSION 1
1.2	TARIFF RELATED FUNCTIONS OF THE COMMISSION 1
1.3	BACKGROUND 2
1.4	MULTI YEAR TARIFF REGULATIONS, 2021 3
1.5	MULTI YEAR TARIFF REGULATIONS, 2024 3
1.6	PROCEDURAL HISTORY 5
1.7	THE 35 TH MEETING OF STATE ADVISORY COMMITTEE 7
<u>2</u>	<u>SUMMARY OF APDCL'S PETITION 8</u>
2.1	BACKGROUND 8
2.2	TRUE-UP FOR FY 2023-24 8
2.3	ANNUAL PERFORMANCE REVIEW (APR) FOR FY 2024-25 9
2.4	AGGREGATE REVENUE REQUIREMENT (ARR) FOR FY 2025-26 TO FY 2029-30..... 11
2.5	PRAYERS OF APDCL..... 12
<u>3</u>	<u>BRIEF SUMMARY OF THE STAKEHOLDERS' COMMENTS, RESPONSE OF APDCL AND COMMISSION'S VIEW 14</u>
ISSUE 20: FPPPA REGULATIONS 31	
<u>4</u>	<u>TRUING UP FOR FY 2023-24 52</u>
4.1	METHODOLOGY FOR TRUING UP..... 52
4.2	ENERGY SALES..... 52
4.3	DISTRIBUTION LOSS..... 56
4.4	ENERGY REQUIREMENT 58

4.5	POWER PURCHASE	59
4.6	SHARING OF (GAINS)/ LOSSES ON ACCOUNT OF EXCESS POWER PURCHASE COST DUE TO HIGHER THAN APPROVED DISTRIBUTION LOSSES	68
4.7	O&M EXPENSES.....	69
4.8	SHARING OF LOSSES/(GAINS)ON ACCOUNT OF O&M EXPENSES	75
4.9	CAPITAL INVESTMENT & CAPITALISATION	78
4.10	DEPRECIATION	79
4.11	INTEREST AND FINANCE CHARGES	83
4.12	INTEREST ON WORKING CAPITAL (IoWC).....	85
4.13	INTEREST ON CONSUMER SECURITY DEPOSIT (CSD)	87
4.14	OTHER DEBITS.....	88
4.15	RETURN ON EQUITY.....	88
4.16	OTHER INCOME	91
4.17	NON-TARIFF INCOME	92
4.18	REVENUE GRANT/SUBSIDY	94
4.21	REVENUE FROM SALE OF POWER	94
4.22	ARR AND REVENUE GAP/(SURPLUS) AFTER TRUING UP OF FY 2023-24.....	95
5	<u>ANNUAL PERFORMANCE REVIEW (APR) FOR FY 2024-25</u>	99
5.1	INTRODUCTION.....	99
5.2	ENERGY SALES.....	100
5.3	DISTRIBUTION LOSS.....	103
5.4	ENERGY BALANCE	104
5.5	POWER PURCHASE	106
5.6	OPERATION AND MAINTENANCE (O&M) EXPENSES.....	115
5.7	CAPITAL INVESTMENT AND FINANCING OF CAPITAL INVESTMENT	119
5.8	DEPRECIATION	121
5.9	INTEREST AND FINANCE CHARGES	124
5.10	INTEREST ON WORKING CAPITAL	125
5.11	INTEREST ON CONSUMERS' SECURITY DEPOSIT	127
5.12	OTHER DEBITS.....	127

5.13	RETURN ON EQUITY.....	127
5.14	NON-TARIFF INCOME	130
5.15	OTHER INCOME	132
5.16	REVENUE FROM SALE OF POWER	134
5.17	POWER PURCHASE SUBSIDY FROM GOA	135
5.18	AGGREGATE REVENUE REQUIREMENT (ARR) AND REVENUE GAP/(SURPLUS)	135
6	<u>CAPITAL INVESTMENT PLAN OF APDCL FOR FY 2025-26 TO FY 2029-30</u>	<u>138</u>
6.1	CAPITAL INVESTMENT PLAN OF APDCL.....	138
	ONGOING PROJECTS SPILLED OVER INTO MYT CONTROL PERIOD FROM FY 2025-26 TO FY 2029-30	138
6.2	REVAMPED DISTRIBUTION SECTOR SCHEME (RDSS).....	138
	STATUS OF RDSS.....	139
6.3	DISTRIBUTION SYSTEM ENHANCEMENT AND LOSS REDUCTION PROJECT (DSELR)	140
	NEW PROJECTS UNDER THE MYT REGULATIONS, 2024 REGIME:	142
6.4	RDSS- 2 ND PHASE (SYSTEM AUGMENTATION AND MODERNISATION WORKS)	142
6.5	ELECTRIFICATION OF ADDITIONAL HOUSEHOLDS UNDER RDSS.....	144
6.6	SMART DISTRIBUTION UNDER RDSS: DEVELOPMENT OF POWER DISTRIBUTION SYSTEM OF GUWAHATI CITY	145
6.7	STATE OWN PRIORITY DEVELOPMENT (SOPD) SCHEME.....	147
6.8	MUKHYA MANTRI SAURO SHAKTI PROKOLPO (MMSSP SCHEME)	147
6.9	RENEWABLE ENERGY POWERED BESS	149
6.10	UNDERGROUND CABLING (UG) OF POWER DISTRIBUTION NETWORK OF GUWAHATI CITY	150
6.11	SUMMARY OF THE CAPITAL INVESTMENT PLAN.....	152
6.12	CAPITAL INVESTMENT PLAN APPROVED BY THE COMMISSION FOR FY 2025-26 TO FY 2029-30.....	155
6.13	CAPITALISATION APPROVED BY THE COMMISSION FOR FY 2025-26 TO FY 2029-30	158
7	<u>AGGREGATE REVENUE REQUIREMENT (ARR) FOR FY 2025-26 TO FY 2029-30</u>	<u>159</u>
7.1	INTRODUCTION.....	159
7.2	ENERGY SALES.....	159
7.3	CATEGORY-WISE PROJECTED ENERGY SALES	159
7.4	DISTRIBUTION LOSS.....	162

7.5	AT&C LOSS TRAJECTORY	165
7.6	ENERGY BALANCE	166
7.7	POWER PURCHASE	168
7.8	OPERATION AND MAINTENANCE (O&M) EXPENSES	189
7.9	CAPITAL EXPENDITURE AND CAPITALISATION.....	195
7.10	DEPRECIATION	199
7.11	INTEREST AND FINANCE CHARGES	204
7.12	INTEREST ON WORKING CAPITAL	206
7.13	INTEREST ON CONSUMERS' SECURITY DEPOSIT	208
7.14	OTHER DEBITS.....	208
7.15	RETURN ON EQUITY.....	208
7.16	NON-TARIFF INCOME	211
7.17	OTHER INCOME	213
7.18	AGGREGATE REVENUE REQUIREMENT (ARR) FOR THE CONTROL PERIOD.....	215
8	<u>CUMULATIVE REVENUE GAP TILL FY 2025-26 AND TARIFF FOR FY 2025-26</u>	<u>219</u>
8.1	CUMULATIVE REVENUE GAP	219
8.2	TARIFF PHILOSOPHY AND DESIGN FOR FY 2025-26.....	223
8.3	TIME OF DAY (TOD) TARIFF	226
8.4	CATEGORY-WISE TARIFF APPROVED FOR FY 2025-26	229
8.5	CATEGORY-WISE CROSS-SUBSIDY	231
8.6	FUEL PRICE AND POWER PURCHASE ADJUSTMENT CHARGES (FPPPA)	233
9	<u>WHEELING CHARGES AND CROSS-SUBSIDY SURCHARGE.....</u>	<u>234</u>
9.1	INTRODUCTION.....	234
9.2	ALLOCATION MATRIX	234
9.3	WHEELING CHARGES	236
9.4	APPLICABLE WHEELING LOSSES.....	237
9.5	CROSS-SUBSIDY SURCHARGE (CSS)	238
9.6	GREEN TARIFF	241
9.7	STANDBY CHARGES	243