PETITION FOR APPROVAL
OF
AGGREGATE REVENUE REQUIREMENT
AND
RETAIL TARIFF PROPOSAL
FOR
FY 2026-27

UNDER SECTION 62 & 64
OF
THE ELECTRICITY ACT 2003

Submitted by:
Department of Power, Arunachal Pradesh

BEFORE HON'BLE ARUNACHAL PRADESH STATE ELECTRICITY REGULATORY COMMISSION

NOTARY Seri Mibang Gr.C/PB (A.P) Regd No. 22686 Expiry Date 08/08/2028 GOVT. OF INDIA

Sl. No. 946/vol-V
Date 25 NOV 2025

Petition No: _____

IN THE MATTER OF: **Petition for Aggregate Revenue Requirement (ARR) for the FY 2026-27.**

AND

IN THE MATTER OF: **Petition for Revenue from the sale of power at the proposed tariff and projected revenue gap/surplus for FY 2026-27 and Retail Tariff Proposal for the FY 2026-27 under Sections 62 and 64 of The Electricity Act 2003.**

The Department of Power, Arunachal Pradesh, Vidyut Bhawan, Itanagar, Arunachal Pradesh

..... Petitioner

The petitioner most respectfully submits as follows:

1. The Petitioner, the Department of Power, Government of Arunachal Pradesh (herein after called DoP,AP), is a Government Department under the Ministry of Power, Government of Arunachal Pradesh, and is the sole Electricity Distribution Utility for the entire State of Arunachal Pradesh.
2. The petitioner, being a Government Department, is a Deemed Distribution Licensee as per Section 14 of the Electricity Act 2003.
3. As per Section 62 and 64 of the Electricity Act 2003 read with Multi-Year Tariff Regulation 2024 notified by Arunachal Pradesh State Electricity Regulatory Commission (hereinafter called "Hon'ble Commission"), the licensee has to file a petition for determination of ARR and Retail Tariff every year.
4. The Petitioner is filing a petition for approval of Tariff and Aggregate Revenue Requirement for the FY 2026-27.

5. The petitioner, being Government Department, is not in the position to function like an incorporated company in the matter of profit-making, business plans, audits, accounts, etc. However, under the stated prevailing circumstances as required by MYT regulation a tariff petition for the FY 2026-27 is hereby filed for approval of Hon'ble Commission.

NOTARY
Oni Mibang
GA(CIVIL) (A.P)
Regd. No. 2268/
Expiry Date
08/09/2028
GOVT. OF INDIA

(Duyu Tacho)
Chief Engineer (Commercial)
Department of Power
Government of Arunachal Pradesh,
Itanagar

AFFIDAVIT

I, Shri Duyu Tacho, age about 60 years, S/o. Shri DuyuTago, presently serving as Chief Engineer, Commercial-cum CEI under the Department of Power, Itanagar, Arunachal Pradesh, do hereby affirm and states, as follows:

1. That the applicant is fully conversant with all the facts and the circumstances of the case and is competent to swear and sign this Affidavit.

That the statements made in the Paragraph 1, 2, 3, 4, and 5 of Petition for Approval of Aggregate Revenue Requirement and Retail Tariff Proposal for 2026-27 are based on office records and true to the best of my personal knowledge and belief.

3. That the statements made in Annual Performance Review for 2025-26 and in Compliance of Directives are true and based on official records and information available in the office records.

NOTARY GOVT. OF INDIA Oni Mibang GHCIPB (A.P) Regd. No. 22686 Expiry Date 08/08/2028

"OATH"

Hence, I swear that this affidavit/declaration is true, that it conceals nothing, and that no part of it is false.

And I sign this Affidavit in the Commission Premises at Itanagar, Arunachal Pradesh, on this... 25th ..... day of November 2025.

NOTARY PUBLIC: OATH COMMISSIONER Solemnly affirmed before me this day. I Certify that I read over and Explained the contents to the deponent and that the deponent Seemed perfectly to understand them.

Oni Mibang NOTARY GOVT. OF INDIA GHCIPB (A.P) Regd. No. 22686

DEPONENT

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List of Abbreviations used

AGBPP	Assam Gas Based Power Plant
AGTCCPP	Agartala Gas Thermal Combine Cycle Power Plant
DoP,AP	Arunachal Pradesh Department of Power
APSERC	Arunachal Pradesh State Electricity Regulatory Commission
ARR	Aggregate Revenue Requirement
AT&C	Aggregate Technical and Commercial
BPL	Below Poverty Line
CAGR	Compound Annual Growth Rate
DG	Diesel Generating
DHPD	Department of Hydro Power Development
FY	Financial Year
HEP	Hydro Electric Project
HT	High Tension
IPP	Independent Power Producer
KJP	Kutir Jyoti Program
KV	Kilo Volt
KW	Kilo Watt
LT	Low Tension
MU	Million Unit
MW	Mega Watt
NLDC	National Load Dispatch Centre
NHPC	National Hydro Power Corporation
NTPC	National Thermal Power Corporation
NEEPCO	North Eastern Electric Power Corporation
NERLDC	North Eastern Regional Load Dispatch Centre
NERPC	North Eastern Regional Power Committee
O&M	Operation and Maintenance
OTPC	ONGC Tripura Power Company
PGCIL	Power Grid Corporation of India Ltd
RLDC	Regional Load Dispatch Centre
R&M	Repair and Maintenance
SHEP	Small Hydro Electric Project
SLDC	State Load Dispatch Centre
SPSU	State Public Sector Undertaking
T&D	Transmission and Distribution
TGNA	Temporary General Network Access
GNA	General Network Access

CHAPTER-I: INTRODUCTION

1.1 About Arunachal Pradesh Department of Power

The Arunachal Pradesh Department of Power (DoP,AP) was created in 1992 by separating from the Arunachal Pradesh Public Works Department (APPWD). At that time, the entire power management including generations, transmissions, and distributions was the responsibility of the DoP,AP. In the year 2004, a Department of Hydro Power Development (DHPD) was created by bifurcating from the DoP,AP and thereby separating the generation from the purview of the DoP,AP. The DoP,AP, a Government Department, functioning under the Ministry of Power, Government of Arunachal Pradesh is the Deemed Distribution Licensee of Arunachal Pradesh as per provision of Section 14 of the Electricity Act, 2003. The DoP,AP has 313070 consumers and annual energy consumption was about 728.18 MUs in the FY 2024-25.

1.2 Number of Consumers

The DoP,AP has at present 313070 consumers in different categories Table 1.2A shows the number of consumers in the last 5 years and using the Compound Annual Growth Rate (CAGR) of the preceding 5 years DoP,AP has determined the number of consumers for the FY 2026-27.

Table 1.2A: Number of consumers in FY 2026-27

SL No	Consumer Category	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	CAGR (5 Years)#	Estimated Current Year 2025-26	Projected Ensuing Year FY 2026-27
		I	II	III	IV	V		VI	VII
A	**HT & EHT Category**								
1	**Non-Commercial Consumers (Domestic)**								
	AC 50Hz,3-Phase, 11KV	96	109	121	128	123	6.39%	131	139
	AC 50Hz,3-Phase, 33KV	4	4	4	4	5	5.74%	5	6
2	**Commercial Consumers (Non-Industrial)**								
	AC 50Hz,3-Phase, 11KV	244	276	372	460	496	19.41 %	592	707
	AC 50Hz,3-Phase, 33KV	6	11	13	14	17	29.74 %	22	29
3	**Public Lighting and Water Supply Consumers**								
	AC 50Hz,3-Phase, 11KV	20	21	9	12	11	0.00%	11	11
	AC 50Hz,3-Phase, 33KV	0	0	0	0	0	0.00%	0	0
4	**Agricultural Consumers**								
	AC 50Hz,3-Phase, 11KV	0	5	5	5	5	0.00%	5	5
	AC 50Hz,3-Phase, 33KV	0	0	0	0	0	0.00%	0	0
5	**Industrial Consumers**								

Table 1.2A: Number of consumers in FY 2026-27									
SL No	Consumer Category	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	CAGR (5 Years)*	Estimated Current Year 2025-26	Projected Ensuing Year FY 2026-27
		I	II	III	IV	V		VI	VII
	AC 50Hz,3-Phase, 11KV	62	65	76	85	96	11.55 %	107	119
	AC 50Hz,3-Phase, 33KV	27	26	31	33	33	5.14%	35	36
	AC 50Hz,3-Phase, 132 KV	3	3	3	3	4	7.46%	4	5
6	**Bulk Mixed Consumers**								
	AC 50Hz,3-Phase, 11KV	159	138	173	210	226	9.19%	247	269
	AC 50Hz,3-Phase, 33KV	13	32	15	14	16	5.33%	17	18
	AC 50Hz,3-Phase, 132 KV	1	1	1	1	1	0.00%	1	1
B	**Low Voltage Category**								
1	**Non-Commercial Consumers (Domestic)**								
	AC 50Hz,1-Phase, 230 Volt	188148	195620	197129	198192	206829	2.39%	211782	216854
	AC 50Hz,3-Phase, 400 Volt	2844	3197	3538	3582	3883	8.10%	4197	4537
	KJP & BPL connection	66058	64369	63085	61791	62798	0.00%	62798	62798
2	**Commercial Consumers (Non-Industrial)**								
	AC 50Hz,1-Phase, 230 Volt	26034	27594	29675	30960	33127	6.21%	35184	37368
	AC 50Hz,3-Phase, 400 Volt	2073	2344	2486	3016	3493	13.93 %	3980	4534
3	**Public Lighting and Water Supply Consumers**								
	AC 50Hz,1-Phase, 230 Volt	1118	1198	948	864	917	0.00%	917	917
	AC 50Hz,3-Phase, 400 Volt	185	235	239	271	304	13.22 %	344	390
4	**Agricultural Consumers**								
	AC 50Hz,1-Phase, 230 Volt	4	6	8	10	8	18.92 %	10	11
	AC 50Hz,3-Phase, 400 Volt	13	13	7	8	12	0.00%	12	12
5	**Industrial Consumers**								
	AC 50Hz,1-Phase, 230 Volt	48	80	75	65	65	7.87%	70	76
	AC 50Hz,3-Phase, 400 Volt	173	162	169	178	193	2.77%	198	204
6	**Temporary Consumer**								
	LT/HT	194	240	265	358	408	20.42 %	491	592
	Total	**287527**	**295749**	**298447**	**300264**	**313070**		**321161**	**329638**

The summary of the approved number of consumers in Tariff Order dated 26.03.2025 and projected Number of consumers for FY 2026-27 is given below:

Table 1.2B: Number of consumers in FY 2026-27

SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
A	**HT & EHT Category**			
1	**Non-Commercial Consumers (Domestic)**			
	AC 50Hz,3-Phase, 11KV	170	139	31
	AC 50Hz,3-Phase, 33KV	4	6	-2
2	**Commercial Consumers (Non-Industrial)**			
	AC 50Hz,3-Phase, 11KV	831	707	124
	AC 50Hz,3-Phase, 33KV	26	29	-3
3	**Public Lighting and Water Supply Consumers**			
	AC 50Hz,3-Phase, 11KV	12	11	1
	AC 50Hz,3-Phase, 33KV	0	0	0
4	**Agricultural Consumers**			
	AC 50Hz,3-Phase, 11KV	5	5	0
	AC 50Hz,3-Phase, 33KV	0	0	0
5	**Industrial Consumers**			
	AC 50Hz,3-Phase, 11KV	112	119	-7
	AC 50Hz,3-Phase, 33KV	38	36	2
	AC 50Hz,3-Phase, 132 KV	3	5	-2
6	**Bulk Mixed Consumers**			
	AC 50Hz,3-Phase, 11KV	262	269	-7
	AC 50Hz,3-Phase, 33KV	14	18	-4
	AC 50Hz,3-Phase, 132 KV	1	1	0
B	**Low Voltage Category**			
1	**Non-Commercial Consumers (Domestic)**			
	AC 50Hz,1-Phase, 230 Volt	214092	216854	-2762
	AC 50Hz,3-Phase, 400 Volt	4421	4537	-116
	KJP & BPL connection	61791	62798	-1007
2	**Commercial Consumers (Non-Industrial)**			
	AC 50Hz,1-Phase, 230 Volt	36239	37368	-1129
	AC 50Hz,3-Phase, 400 Volt	4242	4534	-292
3	**Public Lighting and Water Supply Consumers**			
	AC 50Hz,1-Phase, 230 Volt	864	917	-53
	AC 50Hz,3-Phase, 400 Volt	354	390	-36
4	**Agricultural Consumers**			
	AC 50Hz,1-Phase, 230 Volt	20	11	9
	AC 50Hz,3-Phase, 400 Volt	8	12	-4
5	**Industrial Consumers**			
	AC 50Hz,1-Phase, 230 Volt	87	76	11
	AC 50Hz,3-Phase, 400 Volt	190	204	-14

Table 1.2B: Number of consumers in FY 2026-27				
SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
6	**Temporary Consumer**			
	LT/HT	1008	592	416
	Total	**324794**	**329638**	**-4844**

1.3 Source of Power

The Generation aspects in the entire state do not come under the purview of DoP,AP. The generation in the state is looked after by the:

1. Department of Hydro Power Development (DHPD)
2. Hydro Power Development Corporation of Arunachal Pradesh Limited (HPDCAPL)
3. Arunachal Pradesh Energy Development Agency (APEDA)
4. Independent Power Producers (IPPs) (Devi Energies)
5. Independent Power Producers (IPP) (Kangteng Hydro Power Pvt Ltd) **COD 08-05-2024**

DoP,AP is solely responsible for transmitting and distributing power to the consumers in the state by procuring and receiving power from various sources, as per requirement, as elaborated in the following section.

1.3.1 Central Sector Generating Stations Allocation: -

Power allocation from Central Sector Generators with whom the DoP,AP already has long term PPA, meets the majority of the power requirement. The overall allocation from the Central Sector Generating Station to Arunachal Pradesh is 294.07 MW.

Tables 1.3.1(A) and 1.3.1 (B) Show the central sector allocation and energy received from each generating station for the FY 2024-25.

Table 1.3.1(A): Central Sector Allocation					
Sl. No.	Name of Project	Owner	Installed Capacity (MW)	APDoP share % (As on Sep'25)	APDoP share (MW)
1	LOKTAK	NHPC	105	4.94	5.19
2	KOPILI-I	NEEPCO	200	5.19	10.38
3	KOPILI-II	NEEPCO	23	5.99	1.38
4	KHANDONG	NEEPCO	46	4.19	1.93
5	Panyor Lower	NEEPCO	405	6.46	26.16
	Free Energy Panyor Lower			12	48.60
6	DOYANG	NEEPCO	75	6.85	5.14

Table 1.3.1(A): Central Sector Allocation					
Sl. No.	Name of Project	Owner	Installed Capacity (MW)	APDoP share % (As on Sep'25)	APDoP share (MW)
7	PARE	NEEPCO	110	5.87	6.46
	Free Energy Pare			12.00	13.20
8	KAMENG	NEEPCO	600	1.83	10.98
	Free Energy Kameng			12.00	72.00
9	AGBPP	NEEPCO	291	5.69	16.6
10	AGTCCPP	NEEPCO	135	6.70	9.05
11	PALATANA	OTPCL	726.6	3.03	22.02
12	BgTPP	NTPC	750	5.13	38.48
13	FARAKKA	NTPC	1600	0.19	3.04
14	KAHALGAON	NTPC	840	0.19	1.60
15	TALCHAR	NTPC	1000	0.19	1.90
Total					294.07

The above allocation is as per REA for September 2025.

Table 1.3.1(B): Power Received/Purchased from Central Sector Generating stations in FY 2024-25			
SL No	Name of Project/Source	Owner	FY 2024-25 (In MU)
1	LOKTAK	NHPC	34.14
2	KOPILI-I	NEEPCO	30.02
3	KOPILI-II		9.95
4	KHANDONG		0.00
5	Panyor Lower		67.75
	Free Energy Panyor Lower		125.81
6	DOYANG		14.21
7	PARE		25.76
	Free Energy Pare		45.05
8	KAMENG		70.18
	Free Energy Kameng		324.32
9	AGBPP		105.28
10	AGTCCPP		42.85
11	PALATANA	OTPCL	112.52
12	BgTPP	NTPC	260.70
13	FARAKKA		21.52

Table 1.3.1(B): Power Received/Purchased from Central Sector Generating stations in FY 2024-25			
SL No	Name of Project/Source	Owner	FY 2024-25 (In MU)
14	KAHALGAON		11.44
15	TALCHAR		13.78
16	**TOTAL**		**1315.29**

1.3.2 Power from within the State: -

Apart from the Central Sector Share, there are power generators within the state of Arunachal Pradesh from where DoP,AP is receiving/purchasing the entire power generated by them which are mentioned below;

(i) **From DHPD: -**

Department of Hydro Power Development (DHPD) presently has an installed capacity of 81.54 MW consisting of different capacities located in different locations of Arunachal Pradesh. DoP,AP received about 61.25 MU during FY 2024-25 from DHPD. As DHPD is under the same state Govt. (AP) and hence, DoP,AP does not pay the cost of power to DHPD and hence may be treated as **Free Power**. If new projects come up then there will be capacity addition.

(ii) **Power from Hydro Power Development Corporation of Arunachal Pradesh Limited (HPDCAPL): -**

Hydro Power Development Corporation of Arunachal Pradesh Limited is a State Public Sector Undertaking and has commissioned a 3 MW small hydropower project at Zemithang of Tawang district of Arunachal Pradesh over the Sumbachu River and started commercial operation in the year 2020-21. The generation of this project is entirely utilised by Tawang Electrical Division for Tawang District. The DoP,AP received about 5.23 MU during FY 2023-24 from this project.

(iii) **Dikshi SHP: -**

Dikshi SHP is a small hydropower project with an installed capacity of 24 MW at Rupa of West Kameng District, developed by M/s Devi Energy Ltd, an Independent Power Producer (IPP). This project was commissioned in the year 2019 and declared Date of Commercial Operation (COD) on 19 September 2019. The DoP,AP entered into a Power Purchase Agreement (PPA) with M/s Devi Energy Ltd for purchasing the entire power generated from this project over and above the 10% Free Power Share to the State. DoP,AP purchased about 85.06 MU during FY 2024-25 from this project.

(iv) **Khantang Small Hydro Electric Project: -**

Khantang SHP is a small hydropower project with an installed capacity of 7.5 MW located at Khantang Nallah, Seru village, Tawang District, developed by M/s Kangteng Hydro Power Pvt Ltd, an Independent Power Producer (IPP). This project was

commissioned in the year 2024 and declared Date of Commercial Operation (COD) on 08 May 2024. The DoP,AP entered into a Power Purchase Agreement (PPA) with M/s Kangteng Hydro Power Pvt Ltd for purchasing the entire power generated from this project over and above the 12.6% (8% free power plus the offer of 4.6% additional free power) Free Power Share to the State from the power generated after the moratorium period of 2 (two) years from the date of COD. DoP,AP purchased about 30.99 MU during FY 2024-25 from this project.

(v) **Arunachal Pradesh Energy Development Agency (APEDA): -**

The Arunachal Pradesh Energy Development Agency is under the Ministry of Power, Govt. of Arunachal Pradesh, which is responsible for the development of Non-Conventional Energy in the state. APEDA has developed various capacities of Solar Power plants across the state with an installed capacity of 4.188 MW. From these plants, DoP,AP has received about 0.49 MU of energy free of cost during the year 2024-25 respectively since it is under the same umbrella of the state Govt. The energy so received is utilized to partially meet up the annual Solar Renewable Power Purchase Obligation (RPO) of the state.

(vi) **Diesel Generation: -** DG sets are purely a temporary arrangement to meet any emergency requirement in case of non-availability of power from any other sources and it is mostly kept on standby. The energy generated through DG set in the FY 2024-25 is 0.31 MU.

The power received/purchased from the above-mentioned sources for the FY from 2024-25 is tabulated below in Table 1.3.2.

Table 1.3.2: Power Received/Purchased from within State Generators in FY 2024-25

SL No	Name of Project/Source	Owner	FY 2024-25 (in MU)
1	DHPD	GoAP	61.25
2	Sumbachu	HPDCL	5.23
3	Dikshi	IPP	85.06
	Free Energy Dikshi		9.45
4	Khantang		30.99
5	SOLAR	APEDA	0.49
6	Diesel Generation	DoP,AP	0.31
7	**TOTAL**		**192.79**

1.3.3 Power received from the other Sources:

The following are the other sources from where DoP,AP draws power: -

(i) **Deviation: -** DoP,AP never purchases power deliberately through deviation. But the deviation of power does occur due to various reasons. DoP,AP schedules its power

drawl based on immediate past trend consumption and on the declared capacity of the generators; however, unexpected changes often lead to deviations. Run-of-river hydro projects like Panyor Lower, Pare, and Kameng revise their declared capacity at times, causing DoP,AP to deviate from the original schedule very often, leading to drawl of power in excess of the scheduled power. Apart from this, sometimes industrial unit sudden breakdowns or sudden starts lead to deviation, and sometimes transmission line breakdowns also cause deviation. DoP,AP tries its best to avoid deviations, but they happen.

(ii) **IEX Purchase**: - In case of any shortage of power, the DoP,AP resorts to purchasing power from Real-Time Market (RTM) or Day Ahead Market (DAM) from IEX to avoid or minimize Deviation. DoP,AP purchased 42.61 MU in FY 2024-25 to meet the power shortage at that time.

(iii) **Banking: -** DoP,AP is engaged in the banking of energy during the high hydro season and takes back during the lean hydro season @ 5% above in case of forward banking and sometimes DOP,AP takes energy in advance from the party and returns to them @ 5% above as and when power is available. As such, there is no financial implication for this activity. The energy was imported via Banking to the tune of 71.52 MU in FY 2024-25.

Table 1.3.3: Power Received/Purchased from other source in FY 2024-25

SL No	Source of Power	FY 2024-25 (in MU)
1	Deviation	41.25
2	IEX Purchase	42.61
3	Banking (Import)	71.52
4	**TOTAL**	**155.37**

1.3.4 Total Power received: -

Table 1.3.4: Total Power Received/Purchased in FY 2024-25

SL No	Source of Power	FY 2024-25 (in MU)
1	Central Sector Allocation	1315.29
2	State Generation (IPP+Own)	192.79
3	From Other Sources	155.37
4	**TOTAL**	**1663.45**

1.4 Necessity for Filing of Tariff petition: -

The Electricity Act 2003 under sections 62 and 64 provides for the determination of tariff by the appropriate commission on application by a licensee. The Arunachal Pradesh State Electricity Regulatory Commission (APSERC) notified Multi-Year Tariff Regulations- 2024 which provides for the filing of Annual Performance Review. The Regulation, 2.6(1) of Multi-Year Tariff Regulations- 2024 is produced below.

"The Generating Company, Transmission Licensee or Distribution Licensee as the case may be shall be subject to an annual review of performance and True Up during the Control Period in accordance with this Regulation. ***The Licensee shall file an application for annual performance review of current year****, Truing up of the previous year and determination of tariff for the ensuing year in not less than 120 days before the close of each year of the control period……"*

In compliance to the directive contained in this regulation, DoP,AP is hereby filling this petition for Aggregate Revenue Requirement for the FY 2026-27.

1.5 Procedure Adopted in preparation for this Tariff Petition: -

While preparing the ARR petition, the DoP,AP adopted the principle, guidelines, and procedure prescribed by Hon'ble Commission in the Multi-Year Tariff Regulation 2024. First of all, the aggregate revenue requirement of the DoP,AP is worked out as per guidelines provided in the financial principle of Multiyear Tariff Regulation 2024, then the expected revenue in the existing tariff is worked out. The revenue gap of that year is the difference between the Expected ARR and the Expected Revenue of that year. DoP,AP is not proposing the recovery of the revenue gap as the same is being funded as revenue grant from the Government of Arunachal Pradesh to improve the operational efficiency of the Department.

1.5.1 Estimation of Aggregate Revenue Requirement: -

According to Chapter 10.2(1) of APSERC Multi-Year Tariff Regulation 2024, the tariff for retail supply by a Distribution Licensee shall provide for recovery of the Aggregate Revenue Requirement of the Distribution Licensee for the financial year, as approved by the Commission and comprising the following components.

a) Return on Equity Capital
b) Interest on Loan Capital
c) Depreciation
d) Cost of own power generation/ power purchase expenses
e) Inter-state Transmission charges
f) Intra-state Transmission charges
g) Charges for intervening transmission facilities, if any
h) Fees and charges of NLDC/RLDC/SLDC etc
i) Operation and maintenance expenses

j) Interest in working capital and consumer security deposits and

k) Provision for bad or doubtful debt.

Minus

l) Non-tariff income

m) Income from wheeling charges recovered from the open-access customer

n) Income from other businesses to the extent specified in this regulation.

o) Receipt from cross-subsidy surcharges from open-access consumers, and

p) Receipt from the additional surcharge on charges of wheeling from open access consumers.

q) Any revenue subsidy or grant received from the state government other than subsidy under section 65 of the Electricity act 2003.

1.5.2 Estimation of Annual Revenue Income: -

On the trends of energy consumption by different categories of consumers in the last few years, the likely consumption of each category of the consumers in a particular year are projected. The projected quantities of that particular year are multiplied by the corresponding projected tariff of each category of consumers to give the estimated Annual Revenue Income.

1.5.3 Determination of Revenue Gap: -

The difference in amount between the estimated Aggregate Revenue Requirement and estimated Annual Revenue Income is Revenue Gap for that year.

CHAPTER-II: ESTIMATION OF AGGREGATE REVENUE REQUIREMENT

According to APSERC Multiyear tariff regulation 2024 Chapter 10.2(1), the following components shall comprise for recovery of Aggregate Revenue Requirement:

a) Return on Equity Capital

b) Interest on Loan Capital

c) Depreciation

d) Cost of own power generation/ power purchase expenses

e) Inter-state Transmission charges

f) Intra-state Transmission charges

g) Charges for intervening transmission facilities, if any

h) Fees and charges of NLDC/RLDC/SLDC etc

i) Operation and maintenance expenses

j) Interest in working capital and consumer security deposits and

k) Provision for bad or doubtful debt.

Minus

l) Non-tariff income

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n) Income from other businesses to the extent specified in this regulation.

o) Receipt from cross-subsidy surcharges from open-access consumers, and

p) Receipt from the additional surcharge on charges of wheeling from open access consumers.

q) Any revenue subsidy or grant received from the state government other than subsidy under section 65 of the Electricity act 2003.

2.1 Return on Equity Capital

DoP,AP being a Government Department, all funding comes from the State Government/Central Government as a grant without any obligation to pay back. DoP,AP is not incorporated/registered as a company, hence there is no shareholder/equity as a result **return on equity capital** does not arise. Hence, the DoP,AP will not claim a Return on Equity Capital.

2.2 Interest on Loan Capital

DoP,AP functions under the Government of Arunachal Pradesh. All financial matters of DoP,AP are controlled by the finance department of the Government. Taking a loan and its repayment are decided by them. Hence, DoP,AP cannot take any kind of loan independently and does not have any access to the loan and its repayment process even if the loan is taken for funding

the projects under DoP,AP, its repayment is handled by the Government from its sources. Therefore, expenses on interest on the loan may be considered as Nil and DoP,AP shall not claim any for purpose of ARR.

2.3 Depreciation

Entire Assets under the control of DoP,AP are created from the grant of the Government of Arunachal Pradesh or the Government of India without any obligation to return. As per the regulatory direction, no depreciation can be claimed on the assets created from subsidies or grants which has no obligation to return. Therefore, DoP,AP does not claim any depreciation for ARR.

2.4 Category-wise energy Sale Forecast within the State: -

The category-wise energy sale forecast is tabulated below in table 2.4A. This forecast is devised by using the Compound Annual Growth Rate (CAGR) of the preceding 5 years as required by section 10.11(1) & (2) APSERC Multi-Year Tariff Regulation 2024. As seen from the category-wise monthly sale for the FY 2024-25, there is no effect on seasonal change, hence annual basis forecast has been adapted instead of a monthly basis.

Table: 2.4(A) Energy sale (With in the State) projection for FY 2026-27

SL No	Consumer Category	Past Year Energy Consumption data (in MU)					CAGR (5 Years)*	Estimate (MU)	Projected (MU)
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25		FY 2025-26	FY 2026-27
		I	II	III	IV	V		VI	VII
A	HT & EHT Category								
1	Non-Commercial Consumers (Domestic)								
	AC 50Hz,3-Phase, 11KV	4.48	5.33	8.18	7.78	9.38	20.30%	11.28	13.58
	AC 50Hz,3-Phase, 33KV	3.86	3.92	4.40	3.76	4.06	1.31%	4.12	4.17
2	Commercial Consumers (Non-Industrial)								
	AC 50Hz,3-Phase, 11KV	10.34	11.97	17.18	17.53	23.77	23.13%	29.27	36.04
	AC 50Hz,3-Phase, 33KV	0.28	0.33	0.27	0.13	0.23	0.00%	0.23	0.23
3	Public Lighting and Water Supply Consumers								
	AC 50Hz,3-Phase, 11KV	3.72	3.00	3.26	3.22	3.26	0.00%	3.26	3.26
	AC 50Hz,3-Phase, 33KV	0.62	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
4	Agricultural Consumers								
	AC 50Hz,3-Phase, 11KV	0.19	0.00	0.01	0.02	0.02	0.00%	0.02	0.02
	AC 50Hz,3-Phase, 33KV	0.34	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
5	Industrial Consumers								
	AC 50Hz,3-Phase, 11KV	14.30	18.71	20.17	20.92	18.53	6.69%	19.77	21.09
	AC 50Hz,3-Phase, 33KV	27.85	32.27	38.00	37.15	37.46	7.69%	40.34	43.45
	AC 50Hz,3-Phase, 132 KV	84.05	157.83	158.52	222.91	230.92	28.75%	297.30	382.77
6	Bulk Mixed Consumers								
	AC 50Hz,3-Phase, 11KV	16.38	16.70	18.51	24.52	28.59	14.95%	32.87	37.78
	AC 50Hz,3-Phase, 33KV	8.18	9.14	9.01	13.14	13.42	13.15%	15.18	17.18
	AC 50Hz,3-Phase, 132 KV	1.49	0	0	0.00	0.00	0.00%	0.00	0.00
B	Low Voltage Category								
1	Non-Commercial Consumers (Domestic)								

Table: 2.4(A) Energy sale (With in the State) projection for FY 2026-27									
SL No	Consumer Category	Past Year Energy Consumption data (in MU)					CAGR (5 Years)[4]	Estimate (MU)	Projected (MU)
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25		FY 2025-26	FY 2026-27
		I	II	III	IV	V		VI	VII
	AC 50Hz,1-Phase, 230 Volt	131.11	145.19	165.04	167.27	183.08	8.71%	199.01	216.34
	AC 50Hz,3-Phase, 400 Volt	22.21	25.34	26.41	30.48	36.25	13.03%	40.97	46.31
	KJP & BPL connection AC 50Hz,1-Phase, 230 Volt	25.72	28.00	32.63	33.81	36.23	8.95%	39.47	43.00
2	**Commercial Consumers (Non-Industrial)**								
	AC 50Hz,1-Phase, 230 Volt	25.43	30.35	41.31	44.65	51.51	19.30%	61.45	73.31
	AC 50Hz,3-Phase, 400 Volt	17.67	21.73	29.54	35.98	37.91	21.03%	45.89	55.54
3	**Public Lighting and Water Supply Consumers**								
	AC 50Hz,1-Phase, 230 Volt	2.45	2.620	3.15	3.42	4.40	15.77%	5.09	5.89
	AC 50Hz,3-Phase, 400 Volt	2.53	2.380	2.56	3.19	5.37	20.72%	6.48	7.83
4	**Agricultural Consumers**								
	AC 50Hz,1-Phase, 230 Volt	0.18	0.010	0.009	0.02	0.02	0.00%	0.02	0.02
	AC 50Hz,3-Phase, 400 Volt	0.06	0.050	0.037	0.04	0.07	3.89%	0.07	0.08
5	**Industrial Consumers**								
	AC 50Hz,1-Phase, 230 Volt	0.34	1.630	0.498	0.91	0.93	28.81%	1.19	1.54
	AC 50Hz,3-Phase, 400 Volt	0.98	1.260	1.917	1.68	1.91	18.19%	2.25	2.66
6	**Temporary Consumer**								
	LT/HT	0.37	0.480	1.489	0.87	0.87	23.68%	1.08	1.33
	Total	**405.11**	**518.24**	**582.10**	**673.41**	**728.18**		**856.62**	**1013.40**

In cases where there CAGR is negative, the growth factor has been considered as NIL. Hon'ble Commission is requested to approve the projected Energy Sale within the state for FY 2026-27 at 1013.40 MU.

The summary of the approved energy sale (within the state) in tariff order dated 26.03.2025 and the projected energy sale (within the state) for the FY 2026-27 is given below:

Table: 2.4(B) Energy sale (With in the State) projection for FY 2026-27 in MU				
SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
A	**HT & EHT Category**			
1	**Non-Commercial Consumers (Domestic)**			
	AC 50Hz,3-Phase, 11KV	14.10	13.58	0.52
	AC 50Hz,3-Phase, 33KV	3.78	4.17	-0.39
2	**Commercial Consumers (Non-Industrial)**			
	AC 50Hz,3-Phase, 11KV	26.08	36.04	-9.96
	AC 50Hz,3-Phase, 33KV	0.17	0.23	-0.06
3	**Public Lighting and Water Supply Consumers**			
	AC 50Hz,3-Phase, 11KV	3.22	3.26	-0.04

Table: 2.4(B) Energy sale (With in the State) projection for FY 2026-27 in MU				
SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
	AC 50Hz,3-Phase, 33KV	0.00	0.00	0.00
4	**Agricultural Consumers**			
	AC 50Hz,3-Phase, 11KV	0.02	0.02	0.01
	AC 50Hz,3-Phase, 33KV	0.00	0.00	0.00
5	**Industrial Consumers**			
	AC 50Hz,3-Phase, 11KV	27.71	21.09	6.62
	AC 50Hz,3-Phase, 33KV	56.74	43.45	13.29
	AC 50Hz,3-Phase, 132 KV	334.33	382.77	-48.44
6	**Bulk Mixed Consumers**			
	AC 50Hz,3-Phase, 11KV	32.30	37.78	-5.48
	AC 50Hz,3-Phase, 33KV	19.81	17.18	2.63
	AC 50Hz,3-Phase, 132 KV	0.00	0.00	0.00
B	**Low Voltage Category**	-	-	-
1	**Non-Commercial Consumers (Domestic)**			
	AC 50Hz,1-Phase, 230 Volt	206.27	216.34	-10.07
	AC 50Hz,3-Phase, 400 Volt	40.88	46.31	-5.43
	KJP & BPL connection AC 50Hz,1-Phase, 230 Volt	43.61	43.00	0.61
2	**Commercial Consumers (Non-Industrial)**			
	AC 50Hz,1-Phase, 230 Volt	67.69	73.31	-5.62
	AC 50Hz,3-Phase, 400 Volt	59.06	55.54	3.52
3	**Public Lighting and Water Supply Consumers**			
	AC 50Hz,1-Phase, 230 Volt	3.93	5.89	-1.96
	AC 50Hz,3-Phase, 400 Volt	4.67	7.83	-3.16
4	**Agricultural Consumers**			
	AC 50Hz,1-Phase, 230 Volt	0.03	0.02	0.01
	AC 50Hz,3-Phase, 400 Volt	0.11	0.08	0.04
5	**Industrial Consumers**			
	AC 50Hz,1-Phase, 230 Volt	1.43	1.54	-0.11
	AC 50Hz,3-Phase, 400 Volt	2.34	2.66	-0.32
6	**Temporary Consumer**			
	LT/HT	0.87	1.33	-0.46
	Total	**949.16**	**1013.40**	**-64.24**

2.5 Forecast of Sale of Power Outside the State: -

The energy sale forecast outside the state through IEX & Bilateral sale is calculated assuming reduction of 7.5% above the previous year's consumption. Deviation export has been estimated considering increment of 5% over previous year. Banking export has been estimated based on the banking imports for the year. The details of energy sale forecast outside the state is shown in table 2.5(A) below:

Table 2.5A: Energy Sale Forecast outside the State in FY 2026-27 in MU

SL. No.	Particulars	FY 2024-25 (Actual)	Current Year	Ensuing Year
			FY 2025-26 (Estimate)	FY 2026-27 (Projected)
1	Energy Sale (IEX)	281.52	260.41	240.88
2	Bilateral Sale	62.98	58.25	53.88
3	Deviation Export	14.66	15.40	16.17
4	Banking Export	20.16	74.89	74.89
5	**Total**	**379.32**	**408.95**	**385.82**

The DoP,AP sells Surplus Energy during the high hydro season outside the state in the Indian Energy Exchange (IEX) as well as by bilateral sale through Arunachal Pradesh Power Corporation Pvt Limited (APPCPL). Energy banking is also practiced by exporting during the high hydro summer season and importing during the lean hydro winter season. Hence, outside state sales has been projected for the current year. Therefore, Hon'ble Commission is requested to approve the estimated Energy Sale outside the state through IEX and bilateral sale for FY 2026-27 of 240.88 MU and 53.88 MU respectively.

The summary of the approved energy sale forecast outside the state in tariff order dated 26.03.2025 and the estimated energy sale forecast outside the state for the FY 2026-27 is given below.

Table 2.5B: Energy Sale Forecast outside the State in FY 2026-27 in MU

SL. No.	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
1	Energy Sale (IEX)	294.96	240.88	-90.86
2	Bilateral Sale		53.88	
3	Deviation Export		16.17	
4	Banking Export		74.89	
5	**Total**	**294.96**	**385.82**	**-90.86**

2.6 Total Energy Sale Forecast: -

The total energy sale forecast both within the state and outside the state is tabulated in the table 2.6 below:

Table 2.6 B: Total Energy Sale Forecast in FY 2026-27 in MU				
SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
1	Within the State	949.16	1013.40	-64.24
2	Outside the State	294.96	385.82	-90.86
3	**Total**	**1244.12**	**1399.22**	**-155.10**

2.7 Power Purchase Projection: -

The power purchase quantum for the current year and ensuing control period years is estimated considering various factors like previous energy consumptions, energy sale projection, judicious scheduling, likely distribution losses, surplus energy sale during high hydro, restricting deviation import, restricting import from high-cost generators, total energy requirement, etc. and is shown in table 2.7A

Table2.7A: Power Purchase Projection in FY 2026-27						
SL. No.	Name of Project/Source	Owner	Energy Received (MU)	Multiplying Factor	Estimated (MU)	Projected (MU)
			FY 2024-25 (ACTUAL)		Current Year FY2025-26	Ensuing Year FY2026-27
1	LOKTAK	NHPC	34.14	0%	34.14	34.14
2	KOPILI-I	NEEPCO	30.02	0%	30.02	30.02
3	KOPILI-II		9.95	0%	9.95	9.95
4	KHANDONG		0.00	0%	0	0
5	Panyor Lower		67.75	0%	67.75	67.75
	Free Energy Panyor Lower		125.81		125.81	125.81
6	DOYANG		14.21	0%	14.21	14.21
7	PARE		25.76	0%	25.76	25.76
	Free Energy Pare		45.05		45.05	45.05
8	KAMENG		70.18	0%	70.18	70.18
	Free Energy Kameng		324.32		324.32	324.32
9	AGBPP		105.28	0%	105.28	105.28
10	AGTCCPP		42.85	0%	42.85	42.85
11	PALATANA	OTPCL	112.52	0%	112.52	112.52
12	BgTPP	NTPC	260.70	0%	260.70	260.70
13	FARAKKA		21.52	0%	21.52	21.52

	Table2.7A: Power Purchase Projection in FY 2026-27					
SL. No.	Name of Project/Source	Owner	Energy Received (MU)	Multiplying Factor	Estimated (MU)	Projected (MU)
			FY 2024-25 (ACTUAL)		Current Year FY2025-26	Ensuing Year FY2026-27
14	KAHALGAON		11.44	0%	11.44	11.44
15	TALCHAR		13.78	0%	13.78	13.78
16	DHPD	GoAP	61.25	0%	61.25	61.25
17	HPDCL	SPSU	5.23	0%	5.23	5.23
18	DIKSHI	IPP	85.06	0%	85.06	85.06
19	Free Energy Dikshi		9.45	0%	9.45	9.45
20	KHANGTANG		30.99	0%	30.99	30.99
29	SOLAR	APEDA	0.49	0%	0.49	0.49
30	Deviation		41.25	-5%	39.18	37.22
31	IEX Purchase		42.61	0%	42.61	42.61
32	Banking (Import)		71.52	0%	74.89	74.89
33	Diesel Generation		0.31	0%	0.31	0.31
34	TGNA				0.00	0.00
	TOTAL		**1663.45**		**1664.76**	**1662.80**

From the above table, it may be seen that deviation import (UI) is reduced by 5% per year as it is a costly affair. Projected Energy Requirement for FY 2026-27 is kept at 1662.80 MU.

The summary of the approved power purchase in the tariff order dated 26.03.2025 and the projected power purchase for the FY 2026-27 is given below: -

Table2.7B: Power Purchase Projection in FY 2026-27 in MU					
SL No	Particulars	Owner	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
			I	II	I-II
1	LOKTAK	NHPC	12.34	34.14	-21.80
2	KOPILI-I	NEEPCO	11.91	30.02	-18.11
3	KOPILI-II		8.35	9.95	-1.60
4	KHANDONG		0	0.00	0.00
5	Panyor Lower		72.84	67.75	5.09
	Free Energy Panyor Lower		140.07	125.81	14.26
6	DOYANG		9.48	14.21	-4.73
7	PARE		25.16	25.76	-0.60
	Free Energy Pare		57.29	45.05	12.24

Table2.7B: Power Purchase Projection in FY 2026-27 in MU					
SL No	Particulars	Owner	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
			I	II	I-II
8	KAMENG		44.7	70.18	-25.48
	Free Energy Kameng		313.16	324.32	-11.16
9	AGBPP		98.46	105.28	-6.82
10	AGTCCPP		43.79	42.85	0.94
11	PALATANA	OTPCL	122.16	112.52	9.64
12	BgTPP	NTPC	206.55	260.70	-54.15
13	FARAKKA		19.7	21.52	-1.82
14	KAHALGAON		9.9	11.44	-1.54
15	TALCHAR		12.66	13.78	-1.12
16	DHPD	GoAP	56.74	61.25	-4.51
17	HPDCL	SPSU	6.37	5.23	1.14
18	DIKSHI	IPP	65.26	85.06	-19.80
19	Free Energy Dikshi		7.25	9.45	-2.20
20	KHANGTANG		25.76	30.99	-5.23
29	SOLAR	APEDA	0.55	0.49	0.06
30	Deviation		0	37.22	-37.22
31	IEX Purchase		0	42.61	-42.61
32	Banking (Import)		0	74.89	-74.89
33	Diesel Generation		0.32	0.31	0.01
34	TGNA			0.00	0.00
			1370.77	**1662.80**	**-292.03**

2.8 Power Purchase Cost Projection: -

The power purchase cost has been estimated by escalating the actual amount paid in the previous year to the Source/Agency by 5%. Further, as shown in Table 2.8A, the drawl from Deviation is proposed to be reduced by 5%, accordingly, the Purchase Cost from deviation is reduced by that extent.

Table 2.8A: Power Purchase Cost Projection for FY 2026-27						
						(Rs in Cr)
SL No	Particulars	Previous Year	Multiplying Factor for units (in %)	Multiplying Factor for cost (in %)	Current Year	Ensuing Year
		FY 2024-25 (Actual)			FY 2025-26 (Estimated)	FY 2026-27 (Projected)
1	NEEPCO	186.81	0	5	196.15	205.96

Table 2.8A: Power Purchase Cost Projection for FY 2026-27						
						(Rs in Cr)
SL No	Particulars	Previous Year	Multiplying Factor for units (in %)	Multiplying Factor for cost (in %)	Current Year	Ensuing Year
		FY 2024-25 (Actual)			FY 2025-26 (Estimated)	FY 2026-27 (Projected)
2	NTPC (Farakka, Kahal Gaon, Talchar, BGTTP)	174.04	0	5	182.74	191.88
3	NHPC	10.56	0	5	11.09	11.65
4	OTPC	38.01	0	5	39.91	41.90
5	Deviation	28.83	-5	5	28.83	28.83
6	Reactive	0.02	0	5	0.02	0.02
7	Devi Enrgies	44.69	0	5	46.93	49.27
8	Kangteng Hydro Power Pvt. Ltd.	10.36	0	5	10.88	11.43
9	DHPD	0.00	0	5	0.00	0.00
10	HPDCAPL	1.53	0	5	1.61	1.69
11	APPCPL	6.49	0	5	6.82	7.16
12	Misc. Exp.	0.96	0	5	1.00	1.05
	Total	**502.30**			**525.98**	**550.83**

The Hon'ble Commission is requested to approve the power purchase cost for FY 2026-27 at Rs 550.83 Cr respectively.

The summary of the approved power purchase cost in tariff order dated 26.03.2025 and the projected power purchase cost for the FY 2026-27 is given below:

Table2.8B: Power Purchase Cost Comparison for FY 2026-27				
				(Rs in Cr)
SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
1	NEEPCO	170.96	205.96	-35.00
2	NTPC (Farakka, Kahal Gaon, Talchar, BGTTP)	178.39	191.88	-13.49
3	NHPC	7.93	11.65	-3.72
4	OTPC	44.80	41.90	2.90
5	Deviation	0.00	28.83	-28.83
6	Reactive	0.00	0.02	-0.02
7	Devi Enrgies	34.26	49.27	-15.01
8	Kangteng Hydro Power Pvt. Ltd.	9.85	11.43	-1.58
9	DHPD	8.06	0.00	8.06
10	HPDCAPL	1.29	1.69	-0.40

Table2.8B: Power Purchase Cost Comparison for FY 2026-27				
				(Rs in Cr)
SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
11	APPCPL	0.00	7.16	-7.16
12	Misc. Exp.	0.00	1.05	-1.05
	Total	**455.54**	**550.83**	**-95.29**

2.9 Inter-State and Intra-State Transmission Charges: -

The entire interstate power transmission in DoP,AP is transmitted through the PGCIL transmission infrastructure. The transmission charges incurred during 2021-22 to 2024-25 and projected transmission charges during the FY 2026-27 are tabulated in table 2.9(A) below. There is also a chargeable intrastate transmission system constructed by M/s Devi Energy Ltd to evacuate the power generated from the Dikshi SHP. Hence, the transmission charge has been calculated based on the proposed energy to be imported during the year. Further, the transmission charges of last year are escalated by 5% year over year to factor in the yearly cost variations. The projected charges for the control period are shown in table 2.9(A).

Table: 2.9 (A) Inter State Transmission Charges for FY 2026-27				
				Rs in Cr
SL No	Particulars	Previous Year (Actual)	Current Year (Estimated)	Ensuing Year (Projected)
		FY 2024-25	FY 2025-26	FY 2026-27
1	PGCIL	1.99	1.9	1.9
2	CTUIL	72.38	76.00	79.80
3	APDCL	7.79	8.18	8.59
4	**Total**	**82.16**	**86.08**	**90.29**

Hon'ble Commission is requested to approve the projected Inter-State Transmission Charges for FY 2026-27 at Rs 90.29 Cr.

The summary of the approved interstate transmission charges in the tariff order dated 26-03-2025 and the projected interstate transmission charges is given below:

Table: 2.9 (B) Inter State Transmission Charges for FY 2026-27				
				Rs in Cr
SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
1	PGCIL	1.9	1.90	0.00
2	CTUIL	109.86	79.80	30.06
3	APDCL	0	8.59	-8.59
4	**Total**	**111.76**	**90.29**	**21.47**

Table: 2.9(C) Intra State Transmission Charges for FY 2026-27				
				Rs in Cr
SL No	Particulars	Previous Years (Actual)	Current Year (Estimated)	Ensuing Year (Projected)
		FY 2024-25	FY 2025-26	FY 2026-27
1	Devi Energies	11.45	11.45	11.45

The Hon'ble Commission is requested to approve the estimated Intra State Transmission Charges for FY 2026-27 as proposed above.

The summary of the approved intra state transmission charges in the tariff order dated 26.03.2025 and the projected intra state transmission charges for the FY 2026-27 is given below:

Table: 2.9(D) Intra State Transmission Charges for FY 2026-27				
				Rs in Cr
SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
1	Devi Energies	10.41	11.45	-1.04

2.10 Fees and charges of NLDC/RLDC/SLDC etc.: -

The fees for NERLDC have been estimated with proposed annual increment @ 5% of the previous year. Fees and charges for NERLDC and NERPC for 2024-25 and projected fees for the FY 2026-27 is tabulated in table 2.10A below:

Table: 2.10A Fee and Charges of NERLDC for FY 2026-27				
				(Rs in Cr)
SL No	Particulars	Previous Years (Actual)	Current Year (Estimated)	Ensuing Year (Projected)
		FY 2024-25	FY 2025-26	FY 2026-27
1	NERLDC Fee	1.19	1.25	1.31
2	NERPC board fund and establishment fund	0.00	0.01	0.01
3	**Total**	1.19	1.26	1.32

Hon'ble Commission is requested to approve the projected NERLDC fee and NERPC board fund for FY 2026-27 at Rs 1.32 Cr.

The summary of the approved NERLDC fees in the tariff order dated 26.03.2025 and projected NERLDC fees for the FY 2026-27 is given below:

Table: 2.10B Fee and Charges of NERLDC for FY 2026-27

(Rs in Cr)

SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
1	NERLDC Fee	2.19	1.31	0.88
2	NERPC board fund and establishment fund	0.01	0.01	0.00
3	**Total**	**2.20**	**1.32**	**0.88**

2.11 Operation and Maintenance Cost: -

Operation and maintenance cost consist of three components;

1) Employee cost,

2) Administrative and General costs.

3) Repair and Maintenance cost

The DoP,AP has 10029 Nos of total employees. The detail is shown in table 2.11A.

Table 2.11(A): Number of Employees

Description	Category of Employees	FY 2024-25 (Actual)	FY 2025-26 (Estimate)	FY 2026-27 (Projected)
Opening No of employees	Regular Employees	1054	1054	1054
	Work Charged Employees	2786	2786	2786
	Casual Employees	6189	6189	6189
	Total	10029	10029	10029
Addition during the year	Regular Employees	0	0	0
	Work Charged Employees	0	0	0
	Casual Employees		0	0
Retirement during the year	Regular Employees	NA		
	Work Charged Employees	NA		

Table 2.11(A): Number of Employees				
Description	**Category of Employees**	**FY 2024-25 (Actual)**	**FY 2025-26 (Estimate)**	**FY 2026-27 (Projected)**
	Casual Employees	NA		
Closing no of employees in year	Regular Employees	1054	1054	1054
	Work Charged Employees	2786	2786	2786
	Casual Employees	6189	6189	6189
	Total	10029	10029	10029

The projected cost of these three components for FY 2026-27 has been calculated as per Regulation 4.10 of APSERC Regulations, 2024. Accordingly, expenses of previous year has been escalated by escalation factor which has been determined by considering 20% weightage to the average yearly inflation derived based on the monthly wholesale price index (WPI) of the past three financial years (FY 2022-23, FY 2023-24 & FY 2024-25) as per the office of Economic Advisor of Government of India and 80% weightage to the average yearly inflation derived based on the monthly Consumer Price Index (CPI) for industrial workers of the past three financial years (FY 2022-23, FY 2023-24 & FY 2024-25) as per the Labour Bureau, Government of India. The details are shown in table 2.11(B).

Table: 2.11(B): Operation and Maintenance Cost for FY 2026-27 (Rs in Cr)							
Sl. No.	**Particulars**	**Previous Year**			**3 Years Average**	**Current Year**	**Ensuing Year**
		(Actual) FY 2022-23	**(Actual) FY 2023-24**	**(Actual) FY 2024-25**		**(Estimated) FY 2025-26**	**(Projected) FY 2026-27**
1	Employee Expenses	372.93	393.35	394.07731	386.79	404.69	423.43
2	A&G Expenses	15.11	8.70	12.07852	11.96	12.52	13.10
3	R&M Expenses	28.96	40.36	41.9524	37.09	38.81	40.60
4	**Total O&M Expenses**	**417.00**	**442.41**	**448.11**	**435.84**	**456.02**	**477.13**

The summary of the approved O&M expenses in the tariff order dated 26.03.2025 and projected O&M expenses for the FY 2026-27 is given below:

Table: 2.11(C): Operation and Maintenance Cost for FY 2026-27 (Rs in Cr)				
SL No	**Particulars**	**Approved in Tariff Order Dt 26-03-2025**	**Projected**	**Deviation**
		I	**II**	**I-II**
1	Employee Expenses	410.24	423.43	-13.19
2	A&G Expenses	10.51	13.10	-2.59
3	R&M Expenses	44.35	40.60	3.75
4	**Total O&M Expenses**	**465.10**	**477.13**	**-12.03**

Hon'ble Commission is requested to approve projected O&M expenses for FY 2026-27 at Rs. 477.13 Cr.

2.12 Interest in Working Capital

Working capital for DoP,AP used to be provided by the Government of AP as a grant as and when required, and therefore no interest on working capital is required to be paid by DoP,AP. Hence, interest in working capital may be considered **Nil.**

2.13 Bad and doubtful debt

DoP,AP does not have any bad and doubtful debt as per records. Therefore, provision for bad and doubtful debt may be considered **Nil.**

All Minus components, that is, all components that are to be subtracted from the components of ARR are **Nil**, namely, non-Tariff income, Income from Wheeling, Cross Subsidy, Other Business, etc.

2.14 Aggregate Revenue Requirement

The summary of the approved aggregate revenue requirement in the tariff order dated 26.03.2025 and the projected aggregate revenue requirement for the FY 2026-27 is given below:

Hon'ble Commission is requested to approve the projected Aggregate Revenue Requirement for FY 2026-27 at Rs. 1131.03 Cr.

Table 2.14: Aggregate Revenue Requirement for FY 2026-27

(Rs. In Crores)

SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
1	Return on Equity Capital			0.00
2	Interest on Loan Capital			0.00
3	Depreciation			0.00
4	Power Purchase Expenses	455.54	550.83	-95.29
5	Interstate Transmission Charges	111.76	90.29	21.47
6	Intrastate Transmission Charges	10.41	11.45	-1.04
7	Fees and charges of NERLDC/NERPC	2.20	1.32	0.88
8	O&M expenses	465.10	477.13	-12.03
9	Interest on working Capital			0.00
10	Provision for bad and doubtful debt			0.00
11	Annual License Fee	0.05	0.05	0.00
12	Tariff filing fees	0.075	0.075	0.00
13	Training and Safety of Personnel	0	0	0.00
14	**Total Revenue Requirement**	**1045.14**	**1131.15**	**-86.02**

CHAPTER – III: EXPECTED REVENUE AND REVENUE GAP RECOVERY

3.1 Expected revenue in the existing tariff from the sale within the state: -

The category-wise energy sale in MU has been projected in table 2.4A. by using CAGR. These energy sale projections have been multiplied by category-wise existing tariffs to estimate the expected revenue from within the state and are tabulated in table 3.1A.

Table 3.1(A): Revenue Projection for FY 2026-27 from sale within the state in the existing tariff

SL No	Consumer Category	Existing Tariff (Per Kwh)	Ensuing Year (Projected)	
			FY 2026-27	
			Sale (MU)	Rs in Cr.
A	**High Voltage Category**			
1	**Non-Commercial Consumers (Domestic)**			
	3-Phase, 11KV	3.80	13.58	5.16
	3-Phase, 33KV	3.65	4.17	1.52
2	**Commercial Consumers (Non-Industrial)**			
	3-Phase, 11KV	4.85	36.04	17.48
	3-Phase, 33KV	4.65	0.23	0.11
3	**Public Lighting and Water Supply Consumers**			
	3-Phase, 11KV	4.85	3.26	1.58
	3-Phase, 33KV	4.65	0.00	0.00
4	**Agricultural Consumers**			
	3-Phase, 11KV	3.15	0.02	0.00
	3-Phase, 33KV	3.05	0.00	0.00
5	**Industrial Consumers**			
	3-Phase, 11KV	4.50	21.09	9.49
	3-Phase, 33KV	4.15	43.45	18.03
	3-Phase, 132 KV	4.00	382.77	153.11
6	**Bulk Mixed Consumers**			
	3-Phase, 11KV	4.40	37.78	16.62
	3-Phase, 33KV	4.05	17.18	6.96
	3-Phase, 132 KV	3.90	0.00	0.00
B	**Low Voltage Category**			
1	**Non-Commercial Consumers (Domestic)**			
	1-Phase, 230 Volt	4.40	216.34	95.19
	3-Phase, 400 Volt	4.40	46.31	20.38
	KJP & BPL connection	3.00	43.00	12.90
2	**Commercial Consumers (Non-Industrial)**			
	1-Phase, 230 Volt	5.65	73.31	41.42
	3-Phase, 400 Volt	5.65	55.54	31.38
3	**Public Lighting and Water Supply Consumers**			
	1-Phase, 230 Volt	5.75	5.89	3.39

Table 3.1(A): Revenue Projection for FY 2026-27 from sale within the state in the existing tariff				
SL No	Consumer Category	Existing Tariff (Per Kwh)	Ensuing Year (Projected)	
			FY 2026-27	
			Sale (MU)	Rs in Cr.
	3-Phase, 400 Volt	5.75	7.83	4.50
4	**Agricultural Consumers**			
	1-Phase, 230 Volt	3.50	0.02	0.01
	3-Phase, 400 Volt	3.50	0.08	0.03
5	**Industrial Consumers**			
	1-Phase, 230 Volt	4.95	1.54	0.76
	3-Phase, 400 Volt	4.95	2.66	1.32
6	**Temporary Consumer**			
	LT/HT	9.00	1.33	1.20
	Total		**1013.40**	**442.53**

The revenue from tariff for the ensuing year i.e., FY 2026-27 has been calculated at the proposed rate & projected energy sale (Units). Further, the total revenue includes Non-Tariff Income such as Late Payment Surcharge, Meter Rent & Other Charges in addition to revenue from Tariff. DoP,AP has considered the ratio of individual components of **Non-tariff Income** i.e. LPS, Meter Rent & any other charges with the **Energy Charge** for the FY 2024-25 and has applied the same ratio on the projected Energy Charge for the FY 2026-27 to arrive at the projected Non-tariff Income for the year. The calculation of ratio and projected non-tariff income is given below.

Table 3.1(B): Projection of Non-Tariff Income (LPS, Meter Rent & any other charges) at existing tariff					
					(Rs in Cr)
Particular		FY 2024-25 (Actual)	Ratio		FY 2026-27(Projected)(Ratio* Energy Charge)
Energy Charge	A	277.68			442.53
LPS	B	89.05	B/A	0.32	141.91
Meter Rent	C	2.12	C/A	0.01	3.39
Any other charges	D	0.03	D/A	0.00	0.06
Rebate	E	7.44	E/A	0.03	11.86

On the basis of the ratio calculated in Table 31 B, the LPS, Meter Rent & any other charges are calculated and shown below in table 3.1C.

Table 3.1C Non-Tariff Income for FY 2026-27 in Existing Tariff										
Sl.No.	Consumer Category	Energy Charge	LPS Ratio	Metre Rent Ratio	Any other Charges Ratio	Rebate Ratio	LPS	Metre Rent	Any Other Charges	Rebate
		Rs in Cr.					Rs in Cr.	Rs in Cr.	Rs in Cr.	Rs in Cr.
		a	b	c	d	e	a*b	a*c	a*d	a*e
A	High Voltage Category									
1	Non-Commercial Consumers (Domestic)									
	3-Phase, 11KV	5.16	0.3207	0.008	0.0001	0.0268	1.65	0.04	0.00	0.14
	3-Phase, 33KV	1.52	0.3207	0.008	0.0001	0.0268	0.49	0.01	0.00	0.04
2	Commercial Consumers (Non-Industrial)									
	3-Phase, 11KV	17.48	0.3207	0.008	0.0001	0.0268	5.60	0.13	0.00	0.47
	3-Phase, 33KV	0.11	0.3207	0.008	0.0001	0.0268	0.03	0.00	0.00	0.00
3	Public Lighting and Water Supply Consumers									
	3-Phase, 11KV	1.58	0.3207	0.008	0.0001	0.0268	0.51	0.01	0.00	0.04
	3-Phase, 33KV	0.00	0.3207	0.008	0.0001	0.0268	0.00	0.00	0.00	0.00
4	Agricultural Consumers									
	3-Phase, 11KV	0.00	0.3207	0.008	0.0001	0.0268	0.00	0.00	0.00	0.00
	3-Phase, 33KV	0.00	0.3207	0.008	0.0001	0.0268	0.00	0.00	0.00	0.00
5	Industrial Consumers									
	3-Phase, 11KV	9.49	0.3207	0.008	0.0001	0.0268	3.04	0.07	0.00	0.25
	3-Phase, 33KV	18.03	0.3207	0.008	0.0001	0.0268	5.78	0.14	0.00	0.48
	3-Phase, 132 KV	153.11	0.3207	0.008	0.0001	0.0268	49.10	1.17	0.02	4.10
6	Bulk Mixed Consumers									
	3-Phase, 11KV	16.62	0.3207	0.008	0.0001	0.0268	5.33	0.13	0.00	0.45
	3-Phase, 33KV	6.96	0.3207	0.008	0.0001	0.0268	2.23	0.05	0.00	0.19
	3-Phase, 132 KV	0.00	0.3207	0.008	0.0001	0.0268	0.00	0.00	0.00	0.00
B	Low Voltage Category									
1	Non-Commercial Consumers (Domestic)									
	1-Phase, 230 Volt	95.19	0.3207	0.008	0.0001	0.0268	30.53	0.73	0.01	2.55
	3-Phase, 400 Volt	20.38	0.3207	0.008	0.0001	0.0268	6.53	0.16	0.00	0.55
	KJP & BPL connection	12.90	0.3207	0.008	0.0001	0.0268	4.14	0.10	0.00	0.35
2	Commercial Consumers (Non-Industrial)									
	1-Phase, 230 Volt	41.42	0.3207	0.008	0.0001	0.0268	13.28	0.32	0.01	1.11
	3-Phase, 400 Volt	31.38	0.3207	0.008	0.0001	0.0268	10.06	0.24	0.00	0.84
3	Public Lighting and Water Supply Consumers									
	1-Phase, 230 Volt	3.39	0.3207	0.008	0.0001	0.0268	1.09	0.03	0.00	0.09
	3-Phase, 400 Volt	4.50	0.3207	0.008	0.0001	0.0268	1.44	0.03	0.00	0.12
4	Agricultural Consumers									
	1-Phase, 230 Volt	0.01	0.3207	0.008	0.0001	0.0268	0.00	0.00	0.00	0.00
	3-Phase, 400 Volt	0.03	0.3207	0.008	0.0001	0.0268	0.01	0.00	0.00	0.00
5	Industrial Consumers									
	1-Phase, 230 Volt	0.76	0.3207	0.008	0.0001	0.0268	0.24	0.01	0.00	0.02
	3-Phase, 400 Volt	1.32	0.3207	0.008	0.0001	0.0268	0.42	0.01	0.00	0.04
	LT/HT	1.20	0.3207	0.008	0.0001	0.0268	0.38	0.01	0.00	0.03

Table 3.1C Non-Tariff Income for FY 2026-27 in Existing Tariff										
Sl.No.	Consumer Category	Energy Charge	LPS Ratio	Metre Rent Ratio	Any other Charges Ratio	Rebate Ratio	LPS	Metre Rent	Any Other Charges	Rebate
		Rs in Cr.					Rs in Cr.	Rs in Cr.	Rs in Cr.	Rs in Cr.
		a	b	c	d	e	a*b	a*c	a*d	a*e
	Total	442.53	0.3207	0.008	0.0001	0.0268	141.91	3.39	0.06	11.86

In the following tables 3.1D, the total revenue from existing tariff including non-tariff income such as late payment surcharge, metre rent, any other charges etc., is shown.

Table 3.1D Revenue for FY 2026-27										
Sl. No.	Consumer Category	Existing Tariff (Per Kwh)	Ensuing Year (Projected) FY 2026-27							
			Revenue from existing tariff		Non-Tariff income				Total Non-Tariff income	Total Revenue Billed
			Energy Charge		LPS	Metre Rent	Any Other Charges	Rebate		
			Sale (MU)	Rs in Cr.	Rs in Cr.	Rs in Cr.	Rs in Cr.	Rs in Cr.	Rs in Cr.	Rs in Cr.
		a	b	c=a*b/10	d	e	f	g	h=(d+e+f)-g	i=c+h
A	High Voltage Category									
1	Non-Commercial Consumers (Domestic)									
	3-Phase, 11KV	3.80	13.58	5.16	1.65	0.04	0.00	0.14	1.56	6.72
	3-Phase, 33KV	3.65	4.17	1.52	0.49	0.01	0.00	0.04	0.46	1.98
2	Commercial Consumers (Non-Industrial)									
	3-Phase, 11KV	4.85	36.04	17.48	5.60	0.13	0.00	0.47	5.27	22.75
	3-Phase, 33KV	4.65	0.23	0.11	0.03	0.00	0.00	0.00	0.03	0.14
3	Public Lighting and Water Supply Consumers									
	3-Phase, 11KV	4.85	3.26	1.58	0.51	0.01	0.00	0.04	0.48	2.06
	3-Phase, 33KV	4.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Agricultural Consumers									
	3-Phase, 11KV	3.15	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	3-Phase, 33KV	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Industrial Consumers									
	3-Phase, 11KV	4.50	21.09	9.49	3.04	0.07	0.00	0.25	2.86	12.36
	3-Phase, 33KV	4.15	43.45	18.03	5.78	0.14	0.00	0.48	5.44	23.47
	3-Phase, 132 KV	4.00	382.77	153.11	49.10	1.17	0.02	4.10	46.19	199.29
6	Bulk Mixed Consumers									
	3-Phase, 11KV	4.40	37.78	16.62	5.33	0.13	0.00	0.45	5.01	21.64
	3-Phase, 33KV	4.05	17.18	6.96	2.23	0.05	0.00	0.19	2.10	9.05
	3-Phase, 132 KV	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B	Low Voltage Category									
1	Non-Commercial Consumers (Domestic)									
	1-Phase, 230 Volt	4.40	216.34	95.19	30.53	0.73	0.01	2.55	28.72	123.90
	3-Phase, 400 Volt	4.40	46.31	20.38	6.53	0.16	0.00	0.55	6.15	26.52

Table 3.1D Revenue for FY 2026-27										
Sl. No.	Consumer Category	Existing Tariff (Per Kwh)	Ensuing Year (Projected) FY 2026-27							
			Revenue from existing tariff		Non-Tariff income				Total Non-Tariff income	Total Revenue Billed
			Energy Charge		LPS	Metre Rent	Any Other Charges	Rebate		
			Sale (MU)	Rs in Cr.	Rs in Cr.	Rs in Cr.	Rs in Cr.	Rs in Cr.	Rs in Cr.	Rs in Cr.
		a	b	c=a*b/10	d	e	f	g	h=(d+e+f)-g	i=c+h
	KJP & BPL connection	3.00	43.00	12.90	4.14	0.10	0.00	0.35	3.89	16.79
2	**Commercial Consumers (Non-Industrial)**									
	1-Phase, 230 Volt	5.65	73.31	41.42	13.28	0.32	0.01	1.11	12.50	53.92
	3-Phase, 400 Volt	5.65	55.54	31.38	10.06	0.24	0.00	0.84	9.47	40.85
3	**Public Lighting and Water Supply Consumers**									
	1-Phase, 230 Volt	5.75	5.89	3.39	1.09	0.03	0.00	0.09	1.02	4.41
	3-Phase, 400 Volt	5.75	7.83	4.50	1.44	0.03	0.00	0.12	1.36	5.86
4	**Agricultural Consumers**									
	1-Phase, 230 Volt	3.50	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01
	3-Phase, 400 Volt	3.50	0.08	0.03	0.01	0.00	0.00	0.00	0.01	0.04
5	**Industrial Consumers**									
	1-Phase, 230 Volt	4.95	1.54	0.76	0.24	0.01	0.00	0.02	0.23	0.99
	3-Phase, 400 Volt	4.95	2.66	1.32	0.42	0.01	0.00	0.04	0.40	1.72
	LT/HT	9.00	1.33	1.20	0.38	0.01	0.00	0.03	0.36	1.56
	Total		**1013.40**	**442.53**	**141.91**	**3.39**	**0.06**	**11.86**	**133.50**	**576.03**

3.2 Expected revenues from sales outside the state: -

The average tariff for sale outside the state is calculated on the basis of sale and revenue earned during FY 2024-25 as given in table 3.2A below.

Table 3.2A: Average Tariff of sales outside the state				
SL No	Particulars	Previous Year FY 2024-25		Average Tariff (Rs Per Kwh)
		Sale (MU)	Rs in Cr.	
a	b	c	d	e=d/c*10
1	Energy Sale (IEX)	281.52	105.21	3.74
2	Bilateral Sale	62.98	34.92	5.54
3	**Total**	**359.16**	**140.13**	

Accordingly, the outside the state sale projection of surplus power for FY 2026-27 is shown below on basis of average tariff rate for FY 2024-25 in table 3.2B.

Table 3.2B: Revenue projection from sales outside the state in the existing tariff

Table 3.2B: Revenue Projection from sales outside the state				
SL No	Particulars	Ensuing Year FY 2026-27	Average Tariff (Rs Per Kwh)	Revenue
		Sale (MU)		Rs in Cr
a	b	c	e=d/c*10	d
1	Energy Sale (IEX)	240.88	3.74	90.02
2	Bilateral Sale	53.88	5.54	29.88
3	Deviation Export	16.17	0.00	0.00
4	**Total**	**310.93**		**119.90**

3.3 Expected revenue from sales within and outside the state: -

Table 3.3: Revenue Projection from sales within and outside the state in the existing tariff			
SL No	Particulars	Ensuing Year (Projected)	
		FY 2026-27	
		Sale (MU)	Rs in Cr
1	Within the state	1013.40	576.03
2	Outside the state	310.93	119.90
3	**Total**	**1324.33**	**695.93**

3.4 Aggregate Revenue Requirement and Revenue Gap: -

The summary of the approved aggregate revenue requirement and revenue gap in the tariff order dated 26.03.2025 and the estimated aggregate revenue requirement and revenue gap for FY 2026-27 is given below: -

Table 3.4: Aggregate Revenue Requirement, Income and Revenue Gap in EXISTING tariff for FY 2026-27				
SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
		Rs. In Cr.	Rs. In Cr.	Rs. In Cr.
1	Return on Equity Capital			
2	Interest on Loan Capital			
3	Depreciation			
4	Power Purchase Expenses	455.54	550.83	-95.29
5	Interstate Transmission Charges	111.76	90.29	21.47
6	Intrastate Transmission Charges	10.41	11.45	-1.04
7	Fees and charges of NERLDC/NERPC	2.20	1.32	0.88
8	O&M expenses	465.10	477.13	-12.03
9	Interest on working Capital			0.00

Table 3.4: Aggregate Revenue Requirement, Income and Revenue Gap in EXISTING tariff for FY 2026-27				
SL No	Particulars	Approved in Tariff Order Dt 26-03-2025	Projected	Deviation
		I	II	I-II
		Rs. In Cr.	Rs. In Cr.	Rs. In Cr.
10	Provision for bad and doubtful debt			0.00
11	Annual License Fee	0.05	0.05	0.00
12	Tariff filing fees	0.075	0.075	0.00
13	Training and Safety of Personnel	0	0	0.00
14	**Total Revenue Requirement**	**1045.14**	**1131.15**	**-86.02**
15	Non-Tariff Income	72.15	133.50	-61.35
16	Net ARR (14-15)	972.99	997.65	-24.67
17	**Revenue from Existing Tariff**	368.62	442.53	-73.91
18	Revenue from sale of surplus power	129.23	119.90	9.33
19	**Total Annual Income (17+18)**	497.85	562.43	-64.58
20	**Revenue Grant from GoAP**	475.14	435.22	39.92
21	Revenue Gap (16-19-20)	0.00	0.00	0.00

3.5 ARR & ACS Gap for FY 2026-27: -

The ACS and ARR Gap has been calculated as per the guidelines of Central Electricity Authority. The ACS-ARR gap for the FY 2026-27 is shown in the table below.

SL NO	Table No 3.5: ACS-ARR Gap of FY 2026-27 at existing tariff

3.6 Full Cost Tariff, Grant & Proposed Tariff FY 2026-27

Full cost Tariff is tabulated below in Table 3.6.1:

SL No	Table No 3.6.1: Full cost tariff for FY 2026-27		
1	Total Revenue Requirement	Rs in Crore	1131.15
2	Revenue from Sale of Surplus Power	Rs in Crore	119.90
3	Non-Tariff income (Late payment, Meter rent etc)	Rs in Crore	133.50
4	**Revenue requirement from within state {1-(2+3)}**	Rs in Crore	877.75
5	Energy sale within state	MU	1013.40
6	**Full cost tariff (Rs per Kwh) (4/5*10)**	RS/KWH	8.66

DoP,AP has calculated Rs 8.66 per unit as full cost tariff for recovery of the proposed ARR.

Table No 3.6.2: Revenue at Full cost tariff for FY 2026-27				
SL No	Consumer Category	Full cost Tariff (Rs Per Kwh)	Revenue at full cost tariff FY 2026-27	
			Sale (MU)	Rs in Cr.
A	**High Voltage Category**			
1	**Non-Commercial Consumers (Domestic)**			
	3-Phase, 11KV	8.66	13.58	11.76
	3-Phase, 33KV	8.66	4.17	3.61
2	**Commercial Consumers (Non-Industrial)**			
	3-Phase, 11KV	8.66	36.04	31.21
	3-Phase, 33KV	8.66	0.23	0.20
3	**Public Lighting and Water Supply Consumers**			
	3-Phase, 11KV	8.66	3.26	2.83
	3-Phase, 33KV	8.66	0.00	0.00
4	**Agricultural Consumers**			
	3-Phase, 11KV	8.66	0.02	0.01
	3-Phase, 33KV	8.66	0.00	0.00
5	**Industrial Consumers**			
	3-Phase, 11KV	8.66	21.09	18.27
	3-Phase, 33KV	8.66	43.45	37.63
	3-Phase, 132 KV	8.66	382.77	331.53

Table No 3.6.2: Revenue at Full cost tariff for FY 2026-27				
SL No	Consumer Category	Full cost Tariff (Rs Per Kwh)	Revenue at full cost tariff FY 2026-27	
			Sale (MU)	Rs in Cr.
6	**Bulk Mixed Consumers**			
	3-Phase, 11KV	8.66	37.78	32.72
	3-Phase, 33KV	8.66	17.18	14.88
	3-Phase, 132 KV	8.66	0.00	0.00
B	**Low Voltage Category**			
1	**Non-Commercial Consumers (Domestic)**			
	1-Phase, 230 Volt	8.66	216.34	187.38
	3-Phase, 400 Volt	8.66	46.31	40.11
	KJP & BPL connection	8.66	43.00	37.24
2	**Commercial Consumers (Non-Industrial)**			
	1-Phase, 230 Volt	8.66	73.31	63.50
	3-Phase, 400 Volt	8.66	55.54	48.10
3	**Public Lighting and Water Supply Consumers**			
	1-Phase, 230 Volt	8.66	5.89	5.10
	3-Phase, 400 Volt	8.66	7.83	6.78
4	**Agricultural Consumers**			
	1-Phase, 230 Volt	8.66	0.02	0.02
	3-Phase, 400 Volt	8.66	0.08	0.07
5	**Industrial Consumers**			
	1-Phase, 230 Volt	8.66	1.54	1.33
	3-Phase, 400 Volt	8.66	2.66	2.31
6	**Temporary Consumer**			
	LT/HT	8.66	1.33	1.15
	Total		**1013.40**	**877.75**

Table 3.6.3: GRANT GIVEN TO DIFFERENT CATEGORY OF CONSUMERS					
Consumer Category	Full cost tariff	Existing tariff	Government Grant RATE	Total Government Grant FY 2026-27	
	(Rs / Kwh)	(Rs / Kwh)	(Rs / Kwh)	Sale (MU)	Rs in Cr.
	a	b	c=a-b	d	c*d/10
High Voltage Category					
Non-Commercial Consumers (Domestic)					
3-Phase, 11KV	8.66	3.80	4.86	13.58	6.60
3-Phase, 33KV	8.66	3.65	5.01	4.17	2.09
Commercial Consumers (Non-Industrial)					
3-Phase, 11KV	8.66	4.85	3.81	36.04	13.74
3-Phase, 33KV	8.66	4.65	4.01	0.23	0.09
Public Lighting and Water Supply Consumers					
3-Phase, 11KV	8.66	4.85	3.81	3.26	1.24
3-Phase, 33KV	8.66	4.65	4.01	0.00	0.00
Agricultural Consumers					

Table 3.6.3: GRANT GIVEN TO DIFFERENT CATEGORY OF CONSUMERS					
Consumer Category	Full cost tariff	Existing tariff	Government Grant RATE	Total Government Grant FY 2026-27	
	(Rs / Kwh)	(Rs / Kwh)	(Rs / Kwh)	Sale (MU)	Rs in Cr.
	a	b	c=a-b	d	c*d/10
3-Phase, 11KV	8.66	3.15	5.51	0.02	0.01
3-Phase, 33KV	8.66	3.05	5.61	0.00	0.00
Industrial Consumers					
3-Phase, 11KV	8.66	4.50	4.16	21.09	8.78
3-Phase, 33KV	8.66	4.15	4.51	43.45	19.60
3-Phase, 132 KV	8.66	4.00	4.66	382.77	178.42
Bulk Mixed Consumers					
3-Phase, 11KV	8.66	4.40	4.26	37.78	16.10
3-Phase, 33KV	8.66	4.05	4.61	17.18	7.92
3-Phase, 132 KV	8.66	3.90	4.76	0.00	0.00
Low Voltage Category					
Non-Commercial Consumers (Domestic)					
1-Phase, 230 Volt	8.66	4.40	4.26	216.34	92.19
3-Phase, 400 Volt	8.66	4.40	4.26	46.31	19.73
KJP & BPL connection	8.66	3.00	5.66	43.00	24.34
Commercial Consumers (Non-Industrial)					
1-Phase, 230 Volt	8.66	5.65	3.01	73.31	22.08
3-Phase, 400 Volt	8.66	5.65	3.01	55.54	16.73
Public Lighting and Water Supply Consumers					
1-Phase, 230 Volt	8.66	5.75	2.91	5.89	1.72
3-Phase, 400 Volt	8.66	5.75	2.91	7.83	2.28
Agricultural Consumers					
1-Phase, 230 Volt	8.66	3.50	5.16	0.02	0.01
3-Phase, 400 Volt	8.66	3.50	5.16	0.08	0.04
Industrial Consumers					
1-Phase, 230 Volt	8.66	4.95	3.71	1.54	0.57
3-Phase, 400 Volt	8.66	4.95	3.71	2.66	0.99
Temporary Consumer					
LT/HT	8.66	9.00	-0.34	1.33	-0.05
Total				**1013.40**	**435.22**

Table - 3.6.4 Full Cost Tariff, Grant & Existing Tariff FY 2026-27							
Sl. No.	Category	Full cost Tariff (Rs./Kwh)	Existing Tariff (Rs./Kwh)	Expected Grant (Rs./Kwh)	Full Cost Tariff Revenue (Rs Cr.)	Revenue at existing tariff (Rs Cr.)	Expected Total Grant (Rs Cr.)
		a	b	c=a-b	d	e	f= d-e
	Non-Commercial (Domestic)						
	LT - AC 50 Hz						
1	1-Phase, 230 Volt	8.66	4.40	4.26	187.38	95.19	92.19
2	3-Phase, 400 Volt	8.66	4.40	4.26	40.11	20.38	19.73
3	KJP & BPL connection	8.66	3.00	5.66	37.24	12.90	24.34
	HT - AC 50 Hz						
4	3-Phase, 11KV	8.66	3.80	4.86	11.76	5.16	6.60
5	3-Phase, 33KV	8.66	3.65	5.01	3.61	1.52	2.09
	Commercial (Non-Industrial)						
	LT - AC 50 Hz						
6	1-Phase, 230 Volt	8.66	5.65	3.01	63.50	41.42	22.08
7	3-Phase, 400 Volt	8.66	5.65	3.01	48.10	31.38	16.73
	HT - AC 50 Hz						
8	3-Phase, 11KV	8.66	4.85	3.81	31.21	17.48	13.74
9	3-Phase, 33KV	8.66	4.65	4.01	0.20	0.11	0.09
	Public Lighting and Water Supply						
	LT - AC 50 Hz						
10	1-Phase, 230 Volt	8.66	5.75	2.91	5.10	3.39	1.72
11	3-Phase, 400 Volt	8.66	5.75	2.91	6.78	4.50	2.28
	HT - AC 50 Hz						

Table - 3.6.4 Full Cost Tariff, Grant & Existing Tariff FY 2026-27							
Sl. No.	Category	Full cost Tariff (Rs./Kwh)	Existing Tariff (Rs./Kwh)	Expected Grant (Rs./Kwh)	Full Cost Tariff Revenue (Rs Cr.)	Revenue at existing tariff (Rs Cr.)	Expected Total Grant (Rs Cr.)
		a	b	c=a-b	d	e	f= d-e
12	3-Phase, 11KV	8.66	4.85	3.81	2.83	1.58	1.24
13	3-Phase, 33KV	8.66	4.65	4.01	0.00	0.00	0.00
	Agricultural						
	LT - AC 50 Hz						
14	1-Phase, 230 Volt	8.66	3.50	5.16	0.02	0.01	0.01
15	3-Phase, 400 Volt	8.66	3.50	5.16	0.07	0.03	0.04
	HT - AC 50 Hz						
16	3-Phase, 11KV	8.66	3.15	5.51	0.01	0.00	0.01
17	3-Phase, 33KV	8.66	3.05	5.61	0.00	0.00	0.00
	Industrial						
	LT - AC 50 Hz						
18	1-Phase, 230 Volt	8.66	4.95	3.71	1.33	0.76	0.57
19	3-Phase, 400 Volt	8.66	4.95	3.71	2.31	1.32	0.99
	HT - AC 50 Hz						
20	3-Phase, 11KV	8.66	4.50	4.16	18.27	9.49	8.78
21	3-Phase, 33KV	8.66	4.15	4.51	37.63	18.03	19.60
22	3-Phase, 132KV	8.66	4.00	4.66	331.53	153.11	178.42
	Bulk Mixed						
	HT - AC 50 Hz						
24	3-Phase, 11KV	8.66	4.40	4.26	32.72	16.62	16.10
25	3-Phase, 33KV	8.66	4.05	4.61	14.88	6.96	7.92
26	3-Phase, 132 KV and above	8.66	3.90	4.76	0.00	0.00	0.00

Table - 3.6.4 Full Cost Tariff, Grant & Existing Tariff FY 2026-27							
Sl. No.	Category	Full cost Tariff (Rs./Kwh)	Existing Tariff (Rs./Kwh)	Expected Grant (Rs./Kwh)	Full Cost Tariff Revenue (Rs Cr.)	Revenue at existing tariff (Rs Cr.)	Expected Total Grant (Rs Cr.)
		a	b	c=a-b	d	e	f= d-e
27	Temporary Consumer	8.66	9.00	-0.34	1.15	1.20	-0.05
TOTAL					877.75	442.53	435.22

Table 3.6.5: Revenue Projection for FY 2026-27 from sale within the state in existing tariff				
SL. No.	Consumer Category	Existing Tariff (Per Kwh)	Ensuing Year (Projected)	
			FY 2026-27	
			Sale (MU)	Rs in Cr.
A	High Voltage Category			
1	Non-Commercial Consumers (Domestic)			
	3-Phase, 11KV	3.80	13.58	5.16
	3-Phase, 33KV	3.65	4.17	1.52
2	Commercial Consumers (Non-Industrial)			
	3-Phase, 11KV	4.85	36.04	17.48
	3-Phase, 33KV	4.65	0.23	0.11
3	Public Lighting and Water Supply Consumers			
	3-Phase, 11KV	4.85	3.26	1.58
	3-Phase, 33KV	4.65	0.00	0.00
4	Agricultural Consumers			
	3-Phase, 11KV	3.15	0.02	0.00
	3-Phase, 33KV	3.05	0.00	0.00
5	Industrial Consumers			
	3-Phase, 11KV	4.50	21.09	9.49
	3-Phase, 33KV	4.15	43.45	18.03
	3-Phase, 132 KV	4.00	382.77	153.11
6	Bulk Mixed Consumers			
	3-Phase, 11KV	4.40	37.78	16.62
	3-Phase, 33KV	4.05	17.18	6.96
	3-Phase, 132 KV	3.90	0.00	0.00
B	Low Voltage Category			
1	Non-Commercial Consumers (Domestic)			
	1-Phase, 230 Volt	4.40	216.34	95.19
	3-Phase, 400 Volt	4.40	46.31	20.38
	KJP & BPL connection	3.00	43.00	12.90
2	Commercial Consumers (Non-Industrial)			

Table 3.6.5: Revenue Projection for FY 2026-27 from sale within the state in existing tariff				
SL. No.	Consumer Category	Existing Tariff (Per Kwh)	Ensuing Year (Projected)	
			FY 2026-27	
			Sale (MU)	Rs in Cr.
	1-Phase, 230 Volt	5.65	73.31	41.42
	3-Phase, 400 Volt	5.65	55.54	31.38
3	**Public Lighting and Water Supply Consumers**			
	1-Phase, 230 Volt	5.75	5.89	3.39
	3-Phase, 400 Volt	5.75	7.83	4.50
4	**Agricultural Consumers**			
	1-Phase, 230 Volt	3.50	0.02	0.01
	3-Phase, 400 Volt	3.50	0.08	0.03
5	**Industrial Consumers**			
	1-Phase, 230 Volt	4.95	1.54	0.76
	3-Phase, 400 Volt	4.95	2.66	1.32
6	**Temporary Consumer**			
	LT/HT	9.00	1.33	1.20
	Total		**1013.40**	**442.53**

Table 3.6.6: Proposed Tariff for the FY 2026-27			
Sl. No.	Category of Consumers	Existing Tariff (Rs/KWH) For FY 2025-26	Proposed Tariff (Rs/KWH) for FY 2026-27
	Non-Commercial (Domestic)		
	LT - AC 50 Hz		
1	1-Phase, 230 Volt	4.40	4.40
2	3-Phase, 400 Volt	4.40	4.40
3	KJP & BPL connection	3.00	3.00
	HT - AC 50 Hz		
4	3-Phase, 11KV	3.80	3.80
5	3-Phase, 33KV	3.65	3.65
	Commercial (Non-Industrial)		
	LT - AC 50 Hz		
6	1-Phase, 230 Volt	5.65	5.65
7	3-Phase, 400 Volt	5.65	5.65
	HT - AC 50 Hz		
8	3-Phase, 11KV	4.85	4.85
9	3-Phase, 33KV	4.65	4.65
	Public Lighting And Water Supply		
	LT - AC 50 Hz		
10	1-Phase, 230 Volt	5.75	5.75
11	3-Phase, 400 Volt	5.75	5.75
	HT - AC 50 Hz		

Table 3.6.6: Proposed Tariff for the FY 2026-27			
Sl. No.	**Category of Consumers**	**Existing Tariff (Rs/KWH) For FY 2025-26**	**Proposed Tariff (Rs/KWH) for FY 2026-27**
12	3-Phase, 11KV	4.85	4.85
13	3-Phase, 33KV	4.65	4.65
	Agricultural		
	LT - AC 50 Hz		
14	1-Phase, 230 Volt	3.50	3.50
15	3-Phase, 400 Volt	3.50	3.50
	HT - AC 50 Hz		
16	3-Phase, 11KV	3.15	3.15
17	3-Phase, 33KV	3.05	3.05
	Industrial		
	LT - AC 50 Hz		
18	1-Phase, 230 Volt	4.95	4.95
19	3-Phase, 400 Volt	4.95	4.95
	HT - AC 50 Hz		
20	3-Phase, 11KV	4.50	4.50
21	3-Phase, 33KV	4.15	4.15
22	3-Phase, 132KV	4.00	4.00
	Bulk Mixed		
	HT - AC 50 Hz		
24	3-Phase, 11KV	4.40	4.40
25	3-Phase, 33KV	4.05	4.05
26	3-Phase, 132 KV and above	3.90	3.90
27	**Temporary Consumer**	9.00	9.00

Accordingly, the Hon'ble Commission is requested to approve the Proposed Tariff for the FY 2026-27.

3.7 Revenue gap and its recovery at proposed tariff: -

Table 3.7: Revenue Gap and its Recovery for the FY 2026-27		
SL. No.	**Particulars**	**(Projected) FY 2026-27**
		(Rs. In Cr.)
1	Aggregate Revenue Requirement (ARR)	1131.15
2	Non-Tariff Income	133.50
3	Net ARR (1-2)	997.65
4	Income- Sale of power outside State	119.90
5	Net ARR from within the state (3-4)	877.75
6	Income from existing tariff	442.53

Table 3.7: Revenue Gap and its Recovery for the FY 2026-27		
SL. No.	**Particulars**	**(Projected) FY 2026-27**
		(Rs. In Cr.)
7	Revenue Gap (5-6)	435.22
8	Expected Grant from GoAP	435.22
9	Net Revenue Gap (5-6-8)	0

The revenue gap stands at Rs.435.22 Cr. for the FY 2026-27, The recovery of this gap is expected from the state Government as a **grant.**

CHAPTER –IV: AGGREGATE TECHNICAL & COMMERCIAL LOSS

As per Clause 10.16 of APSERC Multiyear Tariff Regulation 2024 the licensee has to provide complete information about the AT&C losses during the previous year and that projected for the years for which the application is being made. In this chapter, the AT&C loss is analysed and projected for the entire control period.

4.1 Net Input Energy Calculation Projection: -

The detailed calculation of Net Energy Input used in AT&C Loss Projection is given below in Table 4.1(A):

Table 4.1(A): Net Input Energy Calculation

Particulars	Calculation	Unit	FY 2026-27 (Projected)
Energy Import from Grid	A	MU	1470.01
Energy Export Out Side the State	B	MU	385.82
Energy Injected in State from Grid	C=A-B	MU	1084.19
Transmission loss on C	D	MU	40.46
State Own Generation	E	MU	192.79
Gross Input Energy (including Export outside the state)	F=A+E	MU	1662.80
Input Energy (in the State)	G=C+E	MU	1276.98
Net Input Energy (in the State)	H=G-D	MU	1236.52

Table 4.1(B): Applicable Transmission Loss in %

SL No	Month	FY 2022-23	FY 2023-24	FY 2024-25
1	April	3.20	3.83	3.57
2	May	3.32	3.50	3.34
3	June	3.33	3.24	3.47
4	July	3.44	3.42	3.70
5	August	3.46	3.34	3.55
6	September	3.15	3.40	3.17
7	October	3.41	3.32	3.39
8	November	3.72	3.46	3.79
9	December	3.76	3.87	3.88
10	January	4.25	3.89	4.06
11	February	3.93	3.74	3.89
12	March	3.71	3.55	3.93
	AVERAGE			**3.65**
AVERAGE of last 3 years				**3.73**

*Applicable Transmission Loss for the FY 2026-27 is based on the monthly average of last three years i.e. 2022-23, 2023-24 and 2024-25 which is taken from the website of Power System

Operation Corporation Limited, National Load Despatch Centre, and can be accessed at https://posoco.in/side-menu-pages/applicable-transmission-losses.

4.2 AT&C loss and its projection: -

The AT&C loss is high in Arunachal Pradesh due to the scattered load over a vast geographical area, no meters and defective meters at feeder level, DT level, and consumer level. However, a flagship project called RDSS is being implemented presently, through which the required metering will be done along with some other loss reduction infrastructure works to reduce AT&C Loss.

The AT&C loss for the current year and projection is tabulated in table 4.2A

Table 4.2 (A): AT&C Loss Projection for FY 2026-27

S No	Particulars	Calculation	Current Year
			FY 2026-27 (Projected)
A	Input Energy (MkWh)	A	1276.98
B	Transmission Losses (MkWh)	B	40.46
C	Net Input Energy (MkWh)	C=A-B	1236.52
D	Energy Sold (MkWh)	D	1013.40
E	Revenue from Sale of Energy (Rs. Cr.) (Rev. from Tariff+ Non-Tariff Income+ Expected Grant from GoAP)	E	1011.25
E (i)	**Likely Collection (100% of Tariff & 100% of Grant)**	E (i)	1011.25
F	Adjusted Revenue from Sale of Energy on Subsidy Received basis (Rs. Cr.)	F	1011.25
G	Opening Debtors for Sale of Energy (Rs. Cr.)	G	317.19
H	(i) Closing Debtors for Sale of Energy (Rs. Cr.)	(i)	317.19
	(ii) Any amount written off during the year directly from(i)	(ii)	
I	Adjusted Closing Debtors for sale of Energy (Rs. Cr.)	H (i+ii)	317.19
J	Collection Efficiency (%)	(E (i)+G-I)/E*100	100.00
K	Units Realized (Mkwh) = [Energy Sold*Collection efficiency]	D*J/100	1013.40
L	Units Unrealized (Mkwh)= [Net Input Energy-Units Realized]	C-K	223.12
M	**AT&C Losses (%) = [{Units Unrealized/Net Input Energy} *100]**	**L/C *100**	18.04

The summary of the approved AT&C Loss in the tariff order dated 26.03.2025 and the projected AT&C loss for the FY 2026-27 is given below:

Table 4.2(B): AT&C Loss for FY 2026-27				
SL. No.	**Particulars**	**Approved in Tariff Order Dt 26-03-2025 (in %)**	**Projection (In %)**	**Deviation (In %)**
		I	**II**	**I-II**
1	AT&C Loss	15	18.04	-3.04

The original approved AT&C Loss trajectory as per the sanctioned RDSS is as shown below:

Year	2020-21	2021-22	2022-23	2023-24	2024-25
AT&C Loss	46%	45%	35%	28%	22%

But, due to the ground reality of AT&C Loss status in Arunachal Pradesh, and in order to be able to maintain the AT&C Loss Trajectory during the implementation period of RDSS, the DoP,AP has proposed a revised AT&C Loss trajectory in consultation with Power Finance Corporation of India Ltd. (PFC), which was recommended by the Distribution Reform Committee (DRC) and submitted to the Monitoring Committee of Ministry of Power, Govt. of India. Now, the revised AT&C Loss trajectory is as shown below:

Year	2020-21	2021-22	2022-23	2023-24	2024-25
AT&C Loss	51.82%	50%	48%	45%	40%

Therefore, the Hon'ble Commission is requested to approve projected AT&C Loss for FY 2026-27 at 18.04%.

CHAPTER-V::CATEGORIES OF CONSUMERS

In this chapter, the categories of consumers are defined; if any consumer does not come under the following defined categories Assistant Engineer/Executive Engineer of the licensee shall categorize it to the nearest similarity.

Category-I:: Domestic (Non-commercial):-

Consumers use electrical energy for domestic and non-profit purposes such as lights, fans, and others appliances only for residential and non-residential but non-commercial use. This category of consumers includes but is not limited to the consumption of energy by Government owned Residential and Non-Residential buildings, Government owned Educational and Research Institutions, Charitable Institutions, Government owned Hospitals and Dispensaries, and religious premises like Churches, Temples, Mosques, and community halls.

Category-II:: Commercial (Non-Industrial):-

The consumers under this category are those who use electrical energy for lighting, fans, and other appliances in commercial places such as Shops, Optical houses, Restaurants, Bars, Tailoring shops, Cinemas, Hotels, Lodging and Boarding, Private Nursing Homes and Private Hospitals, Religious Hospitals, Private run Schools and Hostels and Boarding facilities and other educational institute demanding fees, photographic studios, Battery charging units, repair workshops, and Petrol Pumps, etc.

Category-III:: Public Lighting and Water Supply:-

This category of consumers shall apply to Public Street lighting Systems in Municipalities, Towns, other Towns, Villages, etc. including Signal Systems, Rope Ways, and Park lighting. Water Pumps and Equipment for public water supply systems and Treatment plants and associated applications shall also be covered in this category.

Category-IV:: Agricultural:-

The consumers in agricultural fields/farms for purpose of pumps, field lighting, and other applications for farmers in their irrigation and cultivation and not connected to any attached commercial or industrial installations in the agricultural field/farms.

Category-V:: Industrial:-

The Industrial consumers cover all Government registered Industrial power consumers which are not covered by Category No. 2 (Supply for Commercial Purpose), such as steel fabrication, motor body builders, power handloom industry, poultry farming, pisciculture, prawn culture, floriculture in the greenhouse, mushroom production, cold storage and any other type of industry where raw material is covered into finished product with the help of electrical power.

Category-VI:: Bulk Mixed:-

The Bulk Mixed Consumers are those consumers drawing bulk power at HT voltage having a mixed load of all categories of consumers such as a village, a town, a colony, etc. drawing power at one metering point. It will also include a University Campus, an All-India Radio complex, College complex. Defence Installations, Railway complex, Government Complexes, etc.

arranges their distribution of power. This will not include an Industrial complex which may consist of a mixed load.

Category-VII:: Temporary:-

Temporary consumers are those who would consume electricity for a limited period, which could be determined at its initial application itself such as marriage, religion, festival, exhibition, concert, public function/gathering, etc. which are temporary up to a period not exceeding 90 days.

CHAPTER – VI: SCHEDULES

Schedules of category-wise electrical energy charges(tariff) and other charges are proposed for the 2nd year of control period in this chapter for approval of the Hon'ble Commission.

6.1 Schedule-I:: Category-wise Tariff Schedule

6.1.1 Category - 1:: Non-Commercial Consumers (Domestic)

Sl. No.	System of Supply & Metering Point	Tariff (RS/KWH)
	Non-Commercial (Domestic)	
	LT - AC 50 Hz	
1	1-Phase, 230 Volt	4.40
2	3-Phase, 400 Volt	4.40
3	KJP & BPL connection	3.00
	HT - AC 50 Hz	
4	3-Phase, 11KV	3.80
5	3-Phase, 33KV	3.65

6.1.2 Category - 2:: Commercial Consumers (Non Industrial)

Sl. No.	System of Supply & Metering Point	Tariff (RS/KWH)
	Commercial (Non-Industrial)	
	LT - AC 50 Hz	
6	1-Phase, 230 Volt	5.65
7	3-Phase, 400 Volt	5.65
	HT - AC 50 Hz	
8	3-Phase, 11KV	4.85
9	3-Phase, 33KV	4.65

6.1.3 Category – 3:: Public Lighting And Water Supply Consumers

Sl. No.	System of Supply & Metering Point	Tariff (RS/KWH)
	Public Lighting and Water Supply	
	LT - AC 50 Hz	
10	1-Phase, 230 Volt	5.75
11	3-Phase, 400 Volt	5.75
	HT - AC 50 Hz	
12	3-Phase, 11KV	4.85
13	3-Phase, 33KV	4.65

6.1.4 Category – 4:: Agricultural Consumers

Sl. No.	System of Supply & Metering Point	Tariff (RS/KWH)
	Agricultural	
	LT - AC 50 Hz	
14	1-Phase, 230 Volt	3.50
15	3-Phase, 400 Volt	3.50
	HT - AC 50 Hz	
16	3-Phase, 11KV	3.15
17	3-Phase, 33KV	3.05

6.1.5 Category –5:: Industrial Consumers

Sl. No.	System of Supply & Metering Point	Tariff (RS/KWH)
	Industrial	
	LT - AC 50 Hz	
18	1-Phase, 230 Volt	4.95
19	3-Phase, 400 Volt	4.95
	HT - AC 50 Hz	
20	3-Phase, 11KV	4.50
21	3-Phase, 33KV	4.15
22	3-Phase, 132KV	4.00

6.1.6 Category–6 :: Bulk Mixed Consumers

Sl. No.	System of Supply & Metering Point	Tariff (RS/KWH)
	Bulk Mixed	
	HT - AC 50 Hz	
24	3-Phase, 11KV	4.40
25	3-Phase, 33KV	4.05
26	3-Phase, 132 KV and above	3.90

6.1.7 Category–7:: Temporary Consumers

Sl. No.	System of Supply & Metering Point	Tariff (RS/KWH)
27	Temporary Consumer	9.00

CHAPTER- VII: TARIFF FOR DISTRIBUTION WHEELING BUSINESS

Chapter 9 of APSERC Multi-Year Tariff 2024 provides the tariff for the distribution wheeling business and chapter 9.2 provides for separation accounts for Wheeling Business and Retail Supply Business. Chapter 9.5 provides for the adoption of the following allocation matrix in case of non-segregation of accounts.

Table 7.1 Allocation Matrix

Sl. No.	Particulars	Wire Business (%)	Retail Supply Business (%)
1	Power Purchase Expenses	0	100
2	Intra-State Transmission Charge (Intra and Inter both)	0	100
3	SLDC Charge	0	100
4	Employee Expenses	60	40
5	Administration and General Expenses	50	50
6	Repair & Maintenance Expenses	90	10
7	Depreciation	90	10
8	Interest on Long-term Loan Capital	90	10
9	Interest on Working Capital and on Consumer Security Deposit	10	90
10	Bad Debt Written off	0	100
11	Contribution to contingency reserves	100	0
12	Return on Equity	90	10
13	Non-Tariff Income	10	90

Since DoP,AP does not have a separate account for the Wire Business and Retail Supply Business, the allocated matrix is followed.

Distribution Business

The wheeling charges for open access consumers for the entire control period are tabulated below:

Table 7.2: Wire Business for FY 2026-27		
Sl. No.	**Particulars**	**Wire Business (%)**
		Ensuing Year (Projected)
		FY 2026-27 (Rs in Cr)
1	Power Purchase Expenses	
2	Intra-State Transmission Charge (Intra and Inter both)	
3	SLDC Charge	
4	Open Access Charge	
5	Employee Expenses	254.06
6	Administration and General Expenses	6.55
7	Repair & Maintenance Expenses	36.54
8	Depreciation	
9	Interest on Long-term Loan Capital	
10	Interest on Working Capital and on Consumer Security Deposit	
11	Bad Debt Written off	
12	Income Tax	
13	Contribution to contingency reserves	
14	Return on Equity	
15	Non-Tariff Income	16.68
16	**Total**	**280.47**

Table 7.3: Wheeling Charge for FY 2026-27			
SL No	**Particulars**	**Unit**	**Wheeling Charge**
			Ensuing Year (Projected)
			FY 2026-27
1	ARR for Wire Business	Rs in Crore	280.47
2	Energy input	MU	1662.80
3	Wheeling Charge (ARR/Energy Input)	Rs per Unit	1.69

Hon'ble Commission is requested to approve the wheeling charge for FY 2026-27 at Rs. 1.69 per kWh respectively.

CHAPTER- VIII: RPO COMPLIANCE

Renewable Purchase Obligation (RPO) mandates that all electricity distribution licensees should purchase or produce a minimum specified quantity of their requirements from Renewable Energy Sources. This is as per the Indian Electricity Act, 2003. The State Electricity Regulatory Commissions fix the minimum RPO for the State.

The DoP,AP has been able to meet-up the Renewable Power Purchase Obligation (RPO) for the FY 2024-25. The summary of the RPO compliance for the year 2024-25 is attached as annexure .....

CHAPTER – IX: PRAYER

The DoP,AP respectfully prays to the Hon'ble Commission-

1. To admit this Petition for approval of determination of ARR for FY 2026-27 and tariff for the FY 2026-27.
2. To approve the proposed tariff for FY 2026-27
3. To approve the proposed ARR for FY 2026-27.
4. To grant any other relief as the Hon'ble Commission may consider appropriate.
5. To pass any other order as the Hon'ble Commission may deem fit and appropriate under the circumstances of the case and in the interest of justice.
6. The petitioner craves leave of the Hon'ble Commission to allow further submissions, additions, and alterations to this petition as may be necessary from time to time.

Dated Itanagar the .....th November 2025

Petitioner
For the Department of Power
Government of AP
Itanagar