

**STATE LOAD DESPATCH CENTRE (SLDC)**  
**ANNUAL FEES & OPERATING CHARGES**  
**for 5<sup>th</sup> Control Period - FY2024-25 to FY2028-29**



**ORDER**

**27<sup>th</sup> August 2024**

**ANDHRA PRADESH**

**ELECTRICITY REGULATORY COMMISSION**

**Vidyuth Niyantrana Bhavan-Dinnedevarapadu Road - Kurnool-A.P**



**CONTENTS**

<b>Chapter</b>	<b>Description</b>	<b>Page No.</b>
Chapter - I	INTRODUCTION.....	2
Chapter- II	TRUING-UP/DOWN OF EXPENDITURE PERTAINING TO FY2018-19 to FY 2022-23.....	9
Chapter– III	ANNUAL FEES & OPERATING CHARGES.....	11



**LIST OF ANNEXURES**

<b>Annexure</b>	<b>Description</b>	<b>Page No.</b>
Annexure - A1	Indian Express (AP Edition) Dt:11.12.2023.....	23
Annexure - A2	SAKSHI (AP Edition) dt:11.12.2023.....	24
Annexure - B	List of objectors.....	25
Annexure - C	Generation Capacity (MW) for the 5th Control Period ...	26



**LIST OF TABLES**

<b>Table No.</b>	<b>Description</b>	<b>Page No.</b>
Table No.2.1	Approved Annual Fees and Operating Charges for 4 <sup>th</sup> Control Periods (Rs. Cr.).....	9
Table No.2.2	Variance Computations: Surplus/ (Deficit) during the period FY2018-19 to FY 2022-23.....	10
Table No.3.1	Filings: Estimated Generation Capacities (MW).....	11
Table No.3.2	Approved Generation Capacities for the 5 <sup>th</sup> Control Period (MW).....	12
Table No.3.3	Proposed Capital Investment for the 5th Control Period.....	13
Table No.3.4	Approved Investment (Rs. Cr.) Capital Cost Projection.....	15
Table No.3.5	Proposed Capital Cost for the 5th Control Period.....	16
Table No.3.6	Approved Capital Cost (Rs. Cr.).....	16
Table No.3.7	Filings: Operating & Maintenance expenses for the 5th Control Period (Rs. Cr.).....	17
Table No.3.8	Approved Operating Expenses (Rs. Cr.).....	19
Table No.3.9	Approved: Annual Fees and Operating Charges.....	21
Table No.3.10	Filed & Approved Annual Fees & Operating Charges.....	21



**ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION  
KURNOOL**

**TUESDAY, THE TWENTY SEVENTH DAY OF AUGUST,  
TWO THOUSAND AND TWENTY-FOUR  
(27.08.2024)**

**Present**

**Justice C.V. Nagarjuna Reddy, Chairman  
Sri. Thakur Rama Singh, Member  
Sri. P.V.R. Reddy, Member**

In the matter of

**Determination of Annual Fees & Operating Charges**

**for**

**the State Load Despatch Centre (SLDC) for the 5<sup>th</sup> Control Period**

**FY2024-25 to FY2028-29**

**O.P. No.78 of 2023**

**Transmission Corporation of Andhra Pradesh Limited (APTRANSCO)  
representing State Load Despatch Centre (SLDC)**

The filing for Annual fee and Operating Charges for State Load Despatch Centre Activity for the 5<sup>th</sup> Control Period (FY2024-25 to FY2028-29) filed by the Transmission Corporation of Andhra Pradesh Limited vide O.P.No.78 of 2023 came up for consideration before the Commission. Upon following the procedure prescribed for determination of such tariff (Annual fee and Operating charges) under Section 64 of the Electricity Act, 2003 (Central Act No.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 No. 36 of 2003, the Andhra Pradesh Electricity Reform Act, 1998 (State Act 30 of 1998) and the APERC Levy and Collection of Fees and Charges by State Load Despatch Centre Regulation, 2006 (Regulation No.1 of 2006), hereby passes this:

## ORDER

### CHAPTER - I

#### INTRODUCTION

1. Consequent on coming into force of the Andhra Pradesh Reorganization Act, 2014 (Central Act No.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 notification in G.O.Ms.No.35, Energy (Power- III) Department, dt.01.08.2014 and constituted the Andhra Pradesh Electricity Regulatory Commission.
2. The Transmission Corporation of Andhra Pradesh Ltd. (APTRANSCO) for short **“the Applicant”** is the holder of the Transmission License (License No.1/2000) issued by Andhra Pradesh Electricity Regulatory Commission (APERC), which is the State Electricity Regulatory Commission for the State of Andhra Pradesh under relevant provisions of the Electricity Act, 2003 (Act). Further, as per Section 39(1) of the Act, APTRANSCO is also the State Transmission Utility (STU).
3. Sub-section (1) of section 31 of the Electricity Act, 2003 (Act) provides that the State Government shall establish a State Load Despatch Centre (SLDC). Sub-section (2) provides that the said SLDC shall be operated by a Government company or any authority or corporation constituted by or under any State Act and that until such company/ authority/corporation is notified by the State Government, the State Transmission Utility (STU) shall operate the SLDC. Pending establishment of such a company/ authority /corporation, the Government of Andhra Pradesh (GoAP) notified in G.O.Ms.No.33 dated 11.07.2014 that the existing SLDC shall continue as SLDC and be operated by the Transmission Corporation of Andhra Pradesh Ltd. (APTRANSCO or Applicant) being the STU.
4. Section 32(3) of the Act provides for SLDC to levy and collect such fees and charges from the generating companies and licensees engaged in the intra-state transmission of electricity as may be specified by the State Commission.

#### **APERC (Adaptation) Regulation, 2014**

5. In exercise of the powers conferred by Section 181 of the Electricity Act, 2003 (Central Act No.36 of 2003) and all other powers thereunto enabling,

including those conferred by the Andhra Pradesh Electricity Reform Act, 1998 (State Act No.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, 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.

**Statutory provisions, Filing requirements and permission**

6. As per Clause 6.1 of the APERC Levy and Collection of Fees and Charges by State Load Despatch Centre Regulation, 2006 (Regulation No.1 of 2006), the SLDC shall file with the Commission an application/petition for a Control Period with statements containing details of the fee and charges under its currently approved levels of fee and charges along with the proposals, if any, for determination of fee and charges for the ensuing Control Period by 30<sup>th</sup> November immediately preceding the first year of the Control Period. The 5<sup>th</sup> Control Period covers five years from FY2024-25 to FY2028-29.

**ARR Filings, Public Notice, Public Hearings and SAC & SCF meetings**

7. On 30.11.2023, the licensee filed an application seeking a determination of the SLDC Annual Fee and Charges for the 5th Control Period. The Commission admitted the application and assigned O.P. No.78 of 2023.
8. The filings made by the licensee were uploaded on the Commission's website. By its letter dated 07.12.2023, the Commission directed the Licensee to issue a public notice in the Telugu language in one Telugu daily newspaper and in the English language in one English daily newspaper incorporating the ARR and FPT Schedule submitted to the Commission for information and calling for views/objections/suggestions on the same from individuals, representatives of consumer organisations and other stakeholders to be submitted on or before 08.01.2024 by 5 PM. The Commission also directed the licensee to upload the filings of ARR and FPT on its official website and make copies of filings available at its corporate office and circle offices. It was also informed in the public notice that all the interested persons/associations/stakeholders/objectors who want to be heard in person/through authorised representatives may appear before the Commission during the public hearings through video conference.

9. The Commission, vide its letter dated 09.01.2024, also communicated the schedule of public hearings to the Energy Department/ Government of Andhra Pradesh and required the presence of a responsible officer from GoAP in the public hearings.
10. In compliance with the directions of the Commission, the licensee has caused the publication of public notices on 11.12.2023 in the Telugu Language in one (1) Telugu daily newspaper and in the English Language in one (1) English daily newspaper (**Annexure-A1, A2**) incorporating its ARR & FPT Schedules along with other details as directed, inviting views/objections/suggestions in respect of ARR and FPT for various transmission users for the 5<sup>th</sup> Control Period and also informed that all the interested persons/associations/stakeholders/objectors who want to be heard in person/through authorised representatives may appear before the Commission during public hearings through video conference. The filings were also uploaded on the licensee's website.

#### **Response to the Public Notice**

11. In response to the public notice, the Commission received objections /suggestions/views in writing and/or in person at its Office and during public hearings. As directed by the Commission, the licensee communicated its written replies to various stakeholders' views/objections/suggestions.

#### **Public Hearings**

12. The Commission conducted public hearings on filings of APTRANSCO through video conference from Visakhapatnam along with Annual ARR - Retail Supply for FY2024-25, MYT-Distribution for 5th CP of APDISCOMS during the period from 29<sup>th</sup> to 31<sup>st</sup> January 2024 in the presence of JMD/AP Transco, all the CMDs of DISCOMs and the officers concerned of the AP Transco and DISCOMS at the Conference Hall, ATC Building, APEPDCL's Corporate Office. 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. Names of the stakeholders to be heard day-wise as per seriatim were hosted on the Commission's website well in advance.
13. The DISCOMS have made uninterrupted video conference arrangements at every operation Superintending Engineer's office/Executive Engineer's office in each circle 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 the MYT filings of AP Transco along with DISCOMs' filings. The Joint Managing Director, AP

Transco, presented briefly on their filings at the beginning of the first day. Then, the stakeholders who registered themselves for participation in the public hearings as per seriatim published day-wise on the Commission's website were heard in detail apart from receiving all written representations presented during the three days of the public hearing. The Commission also heard to the views/objections/suggestions from persons who had 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 Joint Managing Director of AP Transco gave a response to the views/objections/suggestions presented by the objectors during the three days of the hearings.

14. After the public hearings, the Commission held a meeting of the State Advisory Committee (SAC) on 13.02.2024 in the Corporate Office of APSPDCL at Tirupati, where the members' views on the SLDC proposals were elicited. The CMDs of the DISCOMS and APTRANSCO were also invited to the SAC meeting as special invitees, where the members' views were ascertained on the SLDC Annual Fees and Operating Charges.
15. The views/objections/suggestions expressed by the stakeholders and/or their representatives (Annexure-B), in writing and/or in person through video conference and the replies furnished by the SLDC in writing and/or through oral responses during the public hearings in respect of SLDC charges for the 5<sup>th</sup> control period and the views expressed by the members of the State Advisory Committee (SAC) in the SAC meeting on the filings of the APSLDC have been carefully considered by the Commission while arriving at the conclusions in this Order, in so far as the determination of SLDC Annual Fees and Operating Charges for the 5<sup>th</sup> Control Period is concerned.

### **Summary of the Filing**

16. APSLDC's summary of the filings is detailed in the paragraphs infra.
  - (i) **Determination of SLDC Annual Fee for the 5<sup>th</sup> Control Period** - APTRANSCO has computed the Annual SLDC charges based on the following methodology:
    - Estimation of Year on Year investments for the period FY 2024-25 to 2028-29
    - Computation of Capital Cost based on methodology suggested by the Hon'ble Commission

- Determination of Year-on-Year Generation Capacity
- Computation of SLDC Annual Charges

#### a) Capital Investment

The plan of Capital Assets to be added for SLDC Activity for the Five Years of the 5<sup>th</sup> Control Period (FY 2024-25 to FY 2028-29) and Revised Estimates for 2023-24 are shown in the Table below:

Proposed Capital Investment (INR Crs)						
Name of the Wing	FY 23-24 (R.E)	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
Grid Operation	19.95	66.599	31.531	5.732	5.743	5.755
Commercial / ER&S	3.00	5.50	5.5 0	0.50	0.50	0.50
Power Systems	0.10	0.0 5	0.1 0	0.05	0.10	0.05
Total	<b>23.050</b>	<b>72.149</b>	<b>37.131</b>	<b>6.282</b>	<b>6.343</b>	<b>6.305</b>

#### b) Capital Cost Projections

Based on the capital investments shown above, capital cost proposed in the 5<sup>th</sup> control period is shown below:

Capital Cost – 5th Control Period (INR Crs)						
Parameter	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	Total
Capital Cost on New Investment	12.25	6.30	1.07	1.08	1.07	21.77
Capital cost on residual investment	20.78	38.64	52.58	62.75	74.67	249.42
Total Capital Cost	33.03	44.94	53.64	63.83	75.74	271.19

#### c) Annual Fee for the Fifth Control Period

As per clause 4.4 of Regulation 1 of 2006, the Annual Fee shall be computed as follows:

$$\text{Annual SLDC Fee (INR/MW/pa)} = \text{Capital Cost (CC) (in INR)} / \text{Total Generation Capacity (MW)}$$

Parameter	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Capital Cost (INR Crs)	33.03	44.94	53.64	63.83	75.74
Generation Capacity (MW)	24480	28816	29800	31250	31220
SLDC Annual Fee (INR/MW/Annum)	13492.65	15595.50	18000.00	20425.60	24260.09

#### (ii) Determination of SLDC Operating Fee for the 5<sup>th</sup> Control Period

As per the guidelines given by the Commission vide para 4.5 of the Regulation (Regulation No.1/2006), determination of the Operating Charges

is based on the Employee cost, Administration and General Charges, Repairs and Maintenance expenses and other relevant costs.

**a) Operating Expenses for the 5<sup>th</sup> Control Period**

<b>O&amp;M Expenses – Projections (INR Crs)</b>						
<b>Parameter</b>	<b>FY 23-24 (R.E)</b>	<b>FY 24-25</b>	<b>FY 25-26</b>	<b>FY 26-27</b>	<b>FY 27-28</b>	<b>FY 28-29</b>
Employee Cost	59.82	61.61	63.45	65.35	67.3	69.31
Administrative and General Expenses	3.23	3.02	2.83	2.65	2.48	2.32
Repair and Maintenance Expenses	20.09	12.66	14.63	22.63	23.35	24.41
Other Expenses	0	0	0	0	0	0
Total Operating Expenses	83.14	77.29	80.91	90.63	93.13	96.04

**b) Operating Charges for the 5<sup>th</sup> Control Period**

As per Regulation No. 1 of 2006, Operating charges are calculated using the formula prescribed in the Regulation.

**Operating Charges (Rs / MW / pm) = (Annual Operating charges / Total Generating Capacity (MW) \* 12)**

The details of the Operating charges are shown in the table below:

<b>SLDC Operating Charges – 5<sup>th</sup> Control Period</b>					
<b>Parameter</b>	<b>FY 24-25</b>	<b>FY 25-26</b>	<b>FY 26-27</b>	<b>FY 27-28</b>	<b>FY 28-29</b>
Operating Expenses (INR Crs)	77.29	80.91	90.63	93.13	96.04
Generation Capacity (MW)	24480	28816	29800	31250	31220
SLDC Operating Charges (INR/MW/Month)	2631.06	2339.85	2534.40	2483.47	2563.53

(iii) Submitting the above proposals, the Applicant prayed the Commission as below:

- Take the accompanying Annual fee and Operating charges for Petition of AP Transco for SLDC Activity on record;
- Grant suitable opportunity to APTransco within a reasonable time frame to file additional material information, if any;
- Grant the waivers prayed for with respect to such filing requirements, as APTransco is unable to comply with at this stage, as more specifically detailed and for the reasons set out in the present Annual fee and Operating charges filing for SLDC Activity.
- Treat the filing as complete in view of substantial compliance as also the specific requests for waivers with justification placed on record;

- e. Consider and approve SLDC Annual fee and Operating charges, including all requested regulatory treatments in the filing;
  - f. Pass such order as the Hon'ble Commission may deem fit and proper in the facts and circumstances of the case.
17. The Commission has decided to consider the APSLDC proposals, mentioned briefly in this Chapter, as the basis for determining the Annual Fees and operating charges for APSLDC each year of the 5th Control Period, with due weight being given to the views/objections/suggestions of stakeholders, as discussed in subsequent chapters of this order.



**CHAPTER - II****TRUING-UP/DOWN OF EXPENDITURE PERTAINING TO  
FY 2018-19 to FY 2022-23**

18. As per clause 4.7 of Regulation No. 1 of 2006, variations in recovery of capital cost and operating charges over the fee and charges fixed for a year on account of variations in SLDC usage shall be adjusted in the subsequent Control Period or earlier, in case the variations are considered to be significant by the Commission warranting adjustment thereof before the commencement of the following Control Period, with financing cost at the average rate(s) of borrowing during the year(s) to which the variations relate.
19. APTRANSCO had filed for determine the ARR for SLDC for the 4th control period (FY2019-20 to FY 2023-24), and the Commission determined the ARR and charges based on principles laid out in Regulation 1 of 2006.vide Tariff Order dated 08.03.2019.
20. In its Tariff order on SLDC's Annual Fee & Operating Charges for the 4th Control Period, the Commission adjusted the variance in SLDC's revenue up to FY2017-18. The actual costs and revenue vary with the cost and revenue approved by APERC for the 4<sup>th</sup> control period. Hence, APTRANSCO, in accordance with the Regulation, produced the variance (Surplus/ (Deficit)) in SLDC's revenue with reference to approvals from FY 2018-19 to FY 2022-23 below for consideration.
21. Therefore, in accordance with the Regulation, the Commission needs to examine the variance in SLDC's revenue with reference to approvals from FY2019-20 to FY 2023-24.

**TABLE NO.2.1****Approved Annual Fees and Operating Charges  
for 4<sup>th</sup> Control Periods (Rs. Cr.)**

<b>S. No.</b>	<b>Financial Year</b>	<b>Operating Charges</b>	<b>Annual Fees</b>	<b>Total Charges approved</b>
1.	2019-20	51.22	3.81	55.03
2.	2020-21	53.83	6.19	60.02
3.	2021-22	56.64	8.58	65.22
4.	2022-23	59.64	11.55	71.19
5.	2023-24	62.78	14.93	77.71

22. The licensee has furnished the variance in SLDC's revenues from FY2018-19 to FY2022-23 computed year-wise, and the details are given in the table below.

**TABLE NO. 2.2**  
**Variance Computations: Surplus/ (Deficit) during the period**  
**FY 2018-19 to FY 2022-23**

Parameter	Expndr. Approved (TO)	Actual Expndr. (INRCrs)	Variance Surplus/ (deficit)	Revenue approved (TO)	Revenue realised	Variance Surplus/ (Deficit)	Total Variance Surplus/ (Deficit)
	1	2	3=(1)-(2)	4	5	6=(5)-(4)	7=(3)+(6)
<b>2018-19</b>	36.01	53.45	-17.44	36.01	57.86	21.85	<b>4.41</b>
<b>2019-20</b>	51.22	58.93	-7.71	51.22	61.59	10.37	<b>2.66</b>
<b>2020-21</b>	53.83	60.1	-6.27	53.83	65.42	11.59	<b>5.32</b>
<b>2021-22</b>	56.64	63.83	-7.19	56.64	63.28	6.64	<b>-0.55</b>
<b>2022-23</b>	59.64	65.43	-5.79	59.64	76.21	16.57	<b>10.78</b>
<b>Total Variance</b>		301.74	-44.4		324.36	67.02	<b>22.62</b>

23. The above statement is found to be correct based on the profit and loss statements obtained from SLDC. As shown in the table above, the total surplus amount is proposed to be uniformly adjusted in the operating and capital costs in each year of the 5th Control Period.

## CHAPTER – III

### ANNUAL FEES & OPERATING CHARGES

#### Generation Capacity

24. The total generation capacity estimated by APTRANSCO, including the capacity related to open-access consumers over the next five years, for determination of Annual Fees & Operating Charges is as shown below:

**TABLE NO.3.1**

**Filings: Estimated Generation Capacities (MW)**

S. No.	Source of Power	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
<b>I</b>	APGENCO	8506	8901	8901	10089	10237
	a) Thermal	5967	5967	5967	5967	5967
	b) Hydro	2539	2934	2934	4122	4270
<b>II</b>	Central Generating Stations	2095	2095	2095	2359	2359
<b>III</b>	Joint Sector	568	371	371	371	207
<b>IV</b>	IPPS	2404	2404	2404	2404	2404
<b>V</b>	Others (NCE, MPP etc, wind, Mini Hydel)	10542	14680	15664	15662	15648
<b>Total</b>		<b>24115</b>	<b>28451</b>	<b>29435</b>	<b>30885</b>	<b>30855</b>
<b>VI</b>	Third-Party Sales -OA	365	365	365	365	365
<b>Grand Total</b>		<b>24480</b>	<b>28816</b>	<b>29800</b>	<b>31250</b>	<b>31220</b>

#### Objections/Views/Suggestions

25. Sri M.Venugopala Rao and Sri CH.Babu Rao have stated that whether the generation capacity projected to be available during the five years of the 5<sup>th</sup> control period would be required is uncertain. If the projected generation capacity turns out to be more than required, it would lead to under-utilization of the capacity and the annual fee and operating charge, if permitted as proposed by SLDC based on the projected generation capacity, would turn out to be inflated, leading to accrual of excess revenue to SLDC.

#### APSLDC Reply :

The indicated generation capacity is not a projected one but is as per the PPAs entered by Discoms. APDiscoms go for agreements after thoroughly & scientifically assessing their demands as they involve substantial commercial impact. The exact details are taken to arrive at SLDC Annual charges, and there is no excess payment by Discoms.

**Commission's Decision:**

26. The Commission issued a Resource Plan Order for APDISCOMS and APTRANSCO on 27 June 2024 for the 5th control period. The charges are proposed to be determined based on the generation capacity approved in the Resource Plan Order. The SLDC will not retain any profit if excess charges are collected over that actual expenditure incurred. In this Order, the surplus amount of Rs.22.62 crores relating to the last five years, as shown in Chapter II, is proposed to be adjusted against the projected costs as per clause 4.7 Regulation. The Activity of the SLDC is on a no profit basis as per the Regulation having regard to its statutory nature. Therefore, the issue of underutilisation/inflated costs does not arise. The estimated generation capacity, as approved in the Resource Plan Order Vs filings is given in the table below:

**TABLE NO. 3.2**  
**Approved Generation Capacities for the 5<sup>th</sup> Control Period (MW)**

S. No.	Source of Power	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
I	APGENCO	8506	8901	8901	8901	8901
	a) Thermal	5967	5967	5967	5967	5967
	b) Hydro	2539	2934	2934	2934	2934
II	Central Generating Stations	1501	1501	1501	1501	1501
III	Joint Sector (APGPCL, APDISCOMs & IPP GAS)	568	371	371	371	207
IV	IPPs (others)	2404	1834	1834	1834	1834
V	Others (NCE, MPP, etc. Wind, Mini Hydel)	10542	13516	14500	14498	14484
Total Generation Capacity		23521	26123	27107	27105	26927
VI	Open Access Generators	355	376	400	422	457
<b>Total</b>		<b>23876</b>	<b>26499</b>	<b>27507</b>	<b>27527</b>	<b>27384</b>
<b>Filings</b>		24480	28816	29801	31251	31220

## Capital Investments

27. The plan of Capital investment for the 5<sup>th</sup> Control Period (FY 2024-25 to FY2028-29) by APSLDC and Revised Estimates for 2023-24 are shown in the Table below:

**TABLE NO.3.3**  
**Proposed Capital Investment for the 5<sup>th</sup> Control Period**

<b>Name of the Wing</b>	<b>FY 23-24 (R.E)</b>	<b>FY 24-25</b>	<b>FY 25-26</b>	<b>FY 26-27</b>	<b>FY 27-28</b>	<b>FY 28-29</b>	<b>Total</b>
Grid Operation	19.95	66.60	31.53	5.73	5.74	5.76	115.36
Commercial / ER&S	3.00	5.50	5.50	0.50	0.50	0.50	12.50
Power Systems	0.10	0.05	0.10	0.05	0.10	0.05	0.35
<b>Total</b>	<b>23.05</b>	<b>72.15</b>	<b>37.13</b>	<b>6.28</b>	<b>6.34</b>	<b>6.31</b>	<b>128.21</b>

As per the filings, the new Capital investment proposed to be spent during the Fifth Control Period is briefly described below.

### A. Grid Operation Wing

That currently, the backup SLDC control centre facility is unavailable for APSLDC. Hence, a new backup SLDC control centre is proposed at Tirupathi. The proposed new Backup SLDC in a different seismic zone is a fully functional replica of the primary Control Centre. This is considered part of the Disaster Management Plan of the Satnam Committee Report, which recommends having Main and Backup SLDC Control Centres. The project execution is being carried out under the consultancy of SRLDC and is scheduled to be commissioned by the end of FY 2025-26. Accordingly, considerable capital investment is proposed in FY 2024-25 & FY 2025-26. The existing SCADA system in the Main SLDC at Vijayawada was established in December 2015. Hence, the proposed capital investment plan covers the upgradation of the existing Main SLDC. NLDC (Grid-India) took up the tendering process, and a technical evaluation was recently completed. As intimated by the NLDC team, the LOI will be awarded to the successful bidder by the end of December 2023. As the price bids have yet to be opened, a budgetary offer (the Minimum among the two offers) of around Rs. 91 crores is considered a capital investment for this project. It is also proposed that assets like computers, printers, and LCD units be added, and various software upgrades should be made during the 5th Control Period.

**B. Energy Reconciliation & Settlement Wing**

That the EBC in APSLDC was renamed as the Energy Reconciliation & Settlement wing (ER&S wing) vide T.O.O (Addl Secy-Per) Ms NO 1874 dated 16-07-2020. Implementation of an Intra-State Availability-Based Tariff (ABT) at the State level is proposed in the 5<sup>th</sup> control period as mandated in the National Electricity Policy and Tariff Policy. Energy Accounting is being done in Andhra Pradesh at the ER&S Centre under the control of APSLDC. For implementing the Intra State Availability Based Tariff (ABT), the SAMAST (Scheduling, Accounting, Metering and Settlement of Transactions in Electricity) framework at the Andhra Pradesh state, MoP, GOI has sanctioned a grant of Rs 21.48 Crores under the PSDF scheme towards 90% of the project cost for implementing SAMAST in the year 2018. The balance of 10% is to be borne by AP Transco. APTRANSCO initiated the project in 2019 by procuring the required meters, servers & software to implement SAMAST throughout the state. However, the project still needs to be completed. Due to the time extension from 2018 to 2023, APTRANSCO has to submit the new budget proposal to the PSDF funding agency. The present project budgetary cost of Rs.100.00 Cr will be sent again for approval for PSDF. 10% of the project cost will be borne by APTRANSCO, which is also proposed in the 5<sup>th</sup> control period.

**C. Power Systems**

That outdated software, such as System Software, Generation Planning Software, Transmission Planning Software, Load Forecast Software, etc., is proposed to be upgraded. The cost of upgrading software is also included in the investment plan for the 5<sup>th</sup> CP.

**Objections/Views/Suggestions**

28. Sri M.Venugopala Rao and Sri CH.Babu Rao have stated that the Capital investment projections made by SLDC are questionable and inflated and need to be subjected to a thorough prudence check by the Commission. The need for some of the systems proposed by SLDC and their projected costs need to be examined. Both the SCADA system and REMC have a useful lifespan of only 7 years for data collection; as such, they need replacement, if not upgrade, with recurring higher costs. The systems do not contribute to any improvements that can reduce tariff burdens on the consumers except by adding to the tariff burden. Regarding the ABT infrastructure, they stated that the project could not be completed during the 4<sup>th</sup> control period, indicating that SLDC's functions can be carried out without it. Even when there were four DISCOMs in the undivided Andhra Pradesh, the need for intra-state ABT did not arise. Even now, there is no need for such an arrangement in the truncated A.P.,

**APSLDC Reply:-**

The investments proposed by APSLDC are mandatory under the directions of Statutory bodies such as CEA, NLDC, MoP, etc. Implementing the SAMAST project in AP is compulsory for timely and smooth energy settlements. NLDC has fixed a timeline for establishing the SAMAST project by March 2023. It was delayed for many reasons, such as the boundary points being increased by 60% (4,242 Nos.) compared to the initial proposal in the year 2018 (2444 Nos.), software components for energy settlement were also not included in the previous tender.

**Commission's Decision:**

29. The major component of the investments is the establishment of a backup SLDC at Tirupati. As per the Satnam Committee Report, this is part of the disaster management plan. The investments under the Disaster Management Plan can not be avoided. The balance investments as mandated by the statutory bodies such as CEA, NLDC are minimal and negligible compared to the size and scale of operations handled by the APSLDC. Therefore, after carefully examining the SLDC submissions, given their importance to the Power System Operation requirements, the Commission proposes to approve them with minor modifications, as shown below vs filings.

**TABLE NO. 3.4****Approved Investment (Rs. Cr.)**

<b>Name of the Wing</b>	<b>FY 2024-25</b>	<b>FY 2025-26</b>	<b>FY 2026-27</b>	<b>FY 2027-28</b>	<b>FY 2028-29</b>	<b>Total</b>
Grid Operation	66.00	31.00	5.00	5.00	5.00	112.00
Commercial / ER&S	5	5	0.5	0.5	0.5	11.5
Power Systems	0.1	0.1	0.1	0.1	0.1	0.5
<b>Total</b>	<b>71.10</b>	<b>36.10</b>	<b>5.60</b>	<b>5.60</b>	<b>5.60</b>	<b>124.00</b>
Filings	72.15	37.13	6.28	6.34	6.31	128.21

**Capital Cost Projection**

30. Based on the capital cost proposed in the filings, APSLDC projected capital cost as shown in the table below.

**TABLE NO. 3.5**  
**Proposed Capital Cost for the 5<sup>th</sup> Control Period**

Parameter	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Capital Cost on New Investment	12.25	6.30	1.07	1.08	1.07	21.77
Capital cost on residual investment	20.78	38.64	52.58	62.75	74.67	249.42
Total Capital Cost	33.03	44.94	53.64	63.83	75.74	271.19

31. The Commission found an error in computing the capital cost corresponding to the investment Projected by APSLDC. The Commission computed the capital cost as per the formula in the Regulation corresponding to the investment approved in this Order. However, the 50 per cent surplus amount pertaining to the last five years, as discussed in chapter II, is adjusted uniformly in each year of the control period and arrived at Net capital cost. The Gross Approved capital cost and Net approved capital cost are shown in the table below vs filings.

**TABLE NO.3.6**  
**Approved Capital Cost (Rs. Cr.)**

S. No.	Parameter	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
1	Opening	122.38	182.48	212.08	205.68	199.28	921.9
2	addition	71.10	36.10	5.60	5.60	5.60	124.00
3	Repayment	11	13	12	12	12	60
4	Closing	182.48	212.08	205.68	199.28	192.88	992.40
5	Average	213.62	288.52	314.92	305.32	295.72	1418.10
6	<b>Gross Capital Cost</b>	36.27	48.99	53.47	51.84	50.21	240.80
7	<b>True down</b>	2.26	2.26	2.26	2.26	2.26	11.31
8	<b>Net Capital Cost</b>	<b>34.01</b>	<b>46.73</b>	<b>51.21</b>	<b>49.58</b>	<b>47.95</b>	<b>229.49</b>
	<b>Filings</b>	33.03	44.94	53.64	63.83	75.74	271.18

**Operating Costs (O & M expenses)**

32. The Licensee stated that it projected the O&M expenditures as per clause 4.5 of Regulation No.1 of 2006. The table below gives details of the breakdown of operating costs year-wise.

**TABLE NO.3.7**  
**Filings: Operating & Maintenance expenses**  
**for the 5<sup>th</sup> Control Period (Rs. Cr.)**

S. No.	Parameter	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	Total
1.	Employee Cost	61.61	63.45	65.35	67.3	69.31	327.02
2.	A&G Expenses	3.02	2.83	2.65	2.48	2.32	13.30
3.	R&M Expenses	12.66	14.63	22.63	23.35	24.41	97.68
<b>Total O&amp;M Expenses</b>		77.29	80.91	90.63	93.13	96.04	438.00

The employee cost for the base year FY 2023-24 has been projected by considering the escalation rate of 3.51% as per the previous Tariff Order for the 4<sup>th</sup> CP. The same procedure has been followed to project employee expenses for the 5<sup>th</sup> control period. The R&M expenditure projections are estimated by considering the Annual Maintenance Charges and other charges for the following.

- Weather forecasting data charges
- REMC AMC Charges
- REMC Forecast Maintenance charge
- AMC Charges for PSS@E software
- AMC charges for System Studies Software, Arc GIS software in power system wing
- AMC of the existing EMS/SCADA system (till its lifetime is completed) and the proposed new EMS/SCADA in the SLDC building, Gunadala, Vijayawada.
- AMC of proposed Backup SLDC at Tirupati
- AMC of Video Projection System at SLDC, Vijayawada
- AMC of UPS systems at ALDCs and DCPC locations.
- AMC of Air Conditioning Units at SLDC, ALDCs and Backup SLDC.
- AMC of DG sets at SLDC, Backup SLDC, ALDCs.
- AMC of other Servers, PCs, and printers etc. at SLDC & ALDCs.
- AMC of networking equipment at SLDC, ALDCs and Backup SLDC.

Communication equipment like PLCC, etc., must be maintained regularly for uninterrupted data communication. The cost of repairs and maintenance of the Telecom wing is also included in the R&M.

**Objections/Views/Suggestions**

33. Sri M.Venugopala Rao and Sri CH.Babu Rao stated that for the 5th control period, SLDC has proposed an O&M expenditure of Rs.438 crore, which is higher and requires a yearly review of SLDC's performance, consideration of claims for true-up/true-down, and timely corrective steps if required.

**APSLDC Reply:**

The 5th Control Period includes a provision for employees' trust, due by Jan 30, 2030, to reduce the organisation's future liability/burden. Generally, the Commission will review the variations of ARR parameters during the processing of the following control period ARR. APTransco has no objection to the Annual Review of Performance but must follow the Commission's guidelines.

**Commission's Decision**

Clause 4.5 of Regulation 1 of 2006 which is the relevant clause is extracted herein below.

*"4.5 The Operating Charges shall be fixed for an year on the basis of the filing of the SLDC and will cover:*

- a) Employee cost;*
- b) Administration and general charges;*
- c) Repairs and Maintenance expenses; and.*
- d) Any other relevant costs and expenses deemed appropriate by the Commission.*

*Employee Cost. The employee cost to be considered for the year shall be as per the approved staffing plan or the actual employee cost, whichever is lower. As a first step, SLDC shall file the staffing plan within three months from the date of notification of this Regulation. The Commission will approve the staffing plan after examining the details thereof. The approval shall be for the purpose of cost recovery through operating charges alone and for no other purpose whatsoever.*

*Administration and General Expenses & Repairs & Maintenance Expenses These expenses for the first Control Period will be fixed on the basis of the information filed by SLDC and accepted by the Commission. Thereafter, these will be fixed as per the norms to be determined by the Commission.*

*Other expenses: All other expenses not covered by Capital cost, Employee cost, Administration, and General expenses, or Repairs & Maintenance expenses shall*

*fall under this category of expenses. The SLDC shall file the details of such expenses, if any, at the time of its filings for the purpose of fixation of charges”*

According to the filings, the staff size at APSLDC has increased to comply with various functions assigned under the statute. The Commission is only informed of the staffing pattern through these filings. As per the Regulation in force, the SLDC shall get approval from the Commission for staffing patterns. But this is not done. Therefore, **the APSLDC is directed to obtain approval on staffing patterns based on the latest requirements within 45 days from the date of this Order.** Further, as per the amendments issued to Regulation 5 of 2005, the Transmission Licensee should file an Annual Performance Petition. **The APSLDC is also directed to file an Annual Performance Petition hereafter.** The Commission has obtained the Profit and Loss statement for the last five years and verified the filings. Based on the trajectory of expenditure incurred in the last five years from the profit and loss statements obtained from APSLDC and, considering the actual spending in FY2023-24 with an escalation rate of 3.51 per cent in respect of employee costs and other expenditures with appropriate corrections, the Commission approves the O&M Costs. However, after an adjustment of 50 per cent of the surplus amount pertaining to the last five years, as stated in Chapter II, the net O&M costs that are arrived at for determining charges are shown in the table below vs Filings.

**TABLE NO.3.8**  
**Approved Operating Expenses (Rs. Cr.)**

Parameter	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Total
Employee Cost	60.14	62.25	64.44	66.70	69.04	322.56
Administrative and General Expenses	3.02	2.83	2.65	2.48	2.32	13.3
Repair and Maintenance Expenses	7.27	14.63	16.56	16.91	17.59	72.97
<b>Gross Operating Expenses</b>	<b>70.43</b>	<b>79.71</b>	<b>83.65</b>	<b>86.08</b>	<b>88.95</b>	<b>408.82</b>
<b>True-down amount</b>	2.262	2.262	2.262	2.262	2.262	11.31
<b>Net Operating Expenses</b>	<b>68.17</b>	<b>77.45</b>	<b>81.39</b>	<b>83.82</b>	<b>86.69</b>	<b>397.51</b>
<b>Filings</b>	77.29	80.91	90.63	93.13	96.04	438.00

As specified in clause 5 of the AP Electricity Regulatory Commission (Terms and conditions for determination of Transmission Tariff) Regulation, 2005 (Regulation No 5 of 2005), the Transmission Corporation of A.P. Ltd. (APTRANSCO) shall be required to maintain separate accounts for SLDC activity, and till such time as the accounts are not so segregated, it shall apportion its costs based on an Allocation Statement to be submitted to the Commission with all relevant details. **As per the information available with the Commission, the separate accounts for Transmission Business and SLDC activity are being maintained but are not shown in the Annual Accounts Statement. Therefore, APTRANSCO is directed to show the segregation of Transmission Business and SLDC activity accounts in their annual accounts from FY2024-25 onwards.**

#### **Annual Fees and Monthly Operating Charges**

34. Having approved the Generation Capacities, Capital cost and Operating costs for the 5th control period supra, the annual fees and Monthly Operating Charges are proposed to be computed based on the following formulas prescribed in Regulation No. 1 of 2006 to recover the approved Capital cost and Operating cost for SLDC activity by the licensee.

$$\text{i) } \text{Annual Fee (Rs / MW / Year)} = \frac{\text{Capital Cost}}{\text{Generation Capacity}}$$

$$\text{ii) } \text{Operating Charges (Rs / MW / Month)} = \frac{\text{Operating Cost}}{(\text{Generation Capacity} \times 12)}$$

35. Accordingly, Annual Fees and Monthly operating charges are determined by substituting the approved Generation Capacity, Capital Cost and Operating cost in the above formulae for each year of the 5<sup>th</sup> Control period. The Annual Fee and Monthly operating charges determined are shown in the Table below.

**TABLE NO.3.9****Approved: Annual Fees and Operating Charges**

<b>Parameter</b>	<b>FY 2024-25</b>	<b>FY 2025-26</b>	<b>FY 2026-27</b>	<b>FY 2027-28</b>	<b>FY 2028-29</b>
Capital Cost (INR Crs)	34.01	46.73	51.21	49.58	47.95
O&M Expenses (INR Crs)	68.17	77.45	81.39	83.82	86.69
Generation Capacity (MW)	23876	26499	27507	27527	27384
Annual Fee (INR/MW/Annum)	14245	17634	18618	18012	17511
Operating Charge (INR/MW/Month)	2379.33	2435.60	2465.57	2537.58	2638.07

36. The year-wise Annual Fees and Operating Charges filed by the licensee and approved by the Commission are given below:

**TABLE NO.3.10****Filed & Approved Annual Fees & Operating Charges**

<b>Financial Year</b>	<b>Annual Fees (Rs./MW/Year)</b>		<b>Operating Charges (Rs./MW/Month)</b>	
	<b>Filed</b>	<b>Approved</b>	<b>Filed</b>	<b>Approved</b>
<b>2024-25</b>	13493	14245	2631.06	2379.33
<b>2025-26</b>	15596	17634	2339.85	2435.60
<b>2026-27</b>	18000	18618	2534.40	2465.57
<b>2027-28</b>	20426	18012	2483.47	2537.58
<b>2028-29</b>	24260	17511	2563.53	2638.07

Notes on fees and charge

- i) Generating Companies (including Captive Generating Plants), Distribution Licensees, Open access users and Trading Licensees using the intra-State Transmission Network shall pay the SLDC charges (Annual Fees & Operating Charges).
- ii) All the users shall pay the Annual Fees in advance in two equal instalments, by the 10<sup>th</sup> of April and by the 10<sup>th</sup> of October, every financial year starting from FY2024-25 onwards:

Provided that in case where the usage of intra-state transmission system commences after the 10<sup>th</sup> of April or the 10<sup>th</sup> of October of a year, the Annual Fees for the period up to the 30<sup>th</sup> of September of the year and 31<sup>st</sup>

of March of the subsequent year, respectively, shall be required to be paid before the commencement of intra-state transmission.

- iii) The Operating Charges shall be paid monthly.
  - iv) If the Annual Fees and Operating Charges, as the case may be, are not paid by the due date(s), a surcharge of two per cent (2%) per month shall be levied on the unpaid amounts.
  - v) Every user shall deposit an amount equivalent to two months of operating charges in advance as security against default when paying operating charges.
37. The aforementioned fees and charges fixed for each year of the 5th Control Period are applicable from 1 April to 31 March of the respective years, subject to review by the Commission whenever deemed necessary. However, vide APERC proceedings dated 01.04.2024, the Commission directed that the SLDC's charges & fees that were determined by the Commission for FY2023-24 in MYT Orders for the 4th CP will continue to be applicable for all Open Access users from 01.04.2024 as an interim measure, till the Commission issues the final Orders. Therefore, the SLDC's charges & fees determined for FY2024-25 year of the 5th Control Period would apply prospectively from the date of this Order.

**Information to be available on APSLDC's website**

38. **The APSLDC shall make available all the required information on its website regarding open access, energy settlements, and other information as necessary as per the Regulations/Practice directions/Guidelines issued by the Commission from time to time and report compliance.**
39. In terms of the decisions/directions issued supra, the OP is disposed of.

**Sd/-**

**P.V.R Reddy  
Member**

**Sd/-**

**Justice C.V. Nagarjuna Reddy  
Chairman**

**Sd/-**

**Thakur Rama Singh  
Member**

## ANNEXURE - A1

Indian Express (AP Edition) Dt:11.12.2023

Indian Express (AP Edition) Dt. 11.12.2023

**BEFORE THE HONOURABLE**  
**ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION (APERC)**  
 D.No.11-4-660, 4th Floor, Singareni Bhavan, Red Hills, Hyderabad-500 004.

**Transmission Corporation of Andhra Pradesh Limited (APTRANSCO)**

**PUBLIC NOTICE**

Notice is hereby given to all that the Transmission Corporation of Andhra Pradesh Limited (APTRANSCO) holding License No.1/2000, as on 30-11-2023, filed before the Andhra Pradesh Electricity Regulatory Commission (APERC) the Multi Year Aggregate Revenue Requirement (ARR) and Filing for Proposed Tariff (FPT) (Transmission Tariffs) for its Transmission Business and SLDC activity for 5th Control Period (FY2024-25 to FY2028-29). These filings for its Transmission Business and SLDC activity have been taken on record by the Hon'ble Commission in O.P.Nos.77 and 78 of 2023 respectively.

2. Copies of the filings are available in the Office of the Chief General Manager (Commercial & Legal, APTRANSCO, 1st Floor, Vidut Soudha, Gunadala, Vijayawada-520004) and also in the offices of the Chief Engineers/Zones located at Visakhapatnam, Vijayawada & Kadapa and also in the offices of the Superintending Engineers OMC/O&M located at Vijayawada, Guntur, Ongole, Nellore, Srikakulam, Vizianagaram, Visakhapatnam, Rajahmundry, Eluru, Kadapa, Kurnool, Tirupathi, Ananthapur. 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.aptransco.co.in](http://www.aptransco.co.in) and the same may also be accessed at [www.aperc.gov.in](http://www.aperc.gov.in). A copy of these filings, can be obtained from the above offices from the date of publication on payment of Rs.100/- (DD in favor of Pay Officer/APTRANSCO payable at SBI, Commercial Branch, Gunadala, Vja/Cash/Online bank transfer). Also a summary of Multi Year ARR and FPT in English and Telugu can be separately obtained on payment of Rs.10/- (Cash/Online bank transfer) per copy.

3. The Views/objections/suggestions if any, on these filings, together with supporting material may be sent to the Chief General Manager (Commercial & Legal, APTRANSCO, 1st Floor, Vidut Soudha, Gunadala, Vijayawada-520004, E-mail ID: [rac.ap2014@gmail.com](mailto:rac.ap2014@gmail.com)) in person or through email/Registered Post to reach the above offices on or before 08-01-2024 by 5 PM. A copy of the same shall also be sent to the Commission Secretary, APERC through email or by post to the address mentioned in the heading. The views/objections/suggestions shall be duly signed and shall carry the full name and postal address of the persons(s) sending the views/objections/suggestions. If the views/objections/suggestions are filed on behalf of any organization or entity, they shall indicate the name of the organization or entity. If the objector wants to be heard in person through video conference, the same shall also be specifically mentioned. The views/objections/suggestions shall be accompanied by 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 (APTRANSCO and APSLDC, to be filled by Objector)	Whether a copy of objection & proof of delivery at APTRANSCO's office enclosed (Yes/No)	Whether Objector wants to be heard in person (Yes/No). If Yes, mention the name of the DE/EE office from where he/she would like to make the submissions in person through video conference.																																																																																																																																														
<p><b>Note:</b> The Commission may not consider the objections received after the due date.</p> <p>4. The ARR and Proposed Tariffs for 5th Control Period (FY2024-25 to FY2028-29) proposed by the APTRANSCO is given below:</p> <p>Summary of ARR, Tariff for the 5th Control Period and any other important submission of the APTRANSCO &amp; APSLDC</p> <p><b>TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED PROPOSED TARIFF FOR TRANSMISSION BUSINESS OF APTRANSCO FOR 5th CONTROL PERIOD I.e., FY 2024-25 TO FY 2028-29</b></p> <p><b>A) ARR / Transmission Charges</b></p> <table border="1"> <thead> <tr> <th>SN</th> <th>Parameter</th> <th>Unit</th> <th>2024-25</th> <th>2025-26</th> <th>2026-27</th> <th>2027-28</th> <th>2028-29</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Aggregate Revenue Requirement</td> <td>INR Crs.</td> <td>4041.05</td> <td>4633.66</td> <td>5179.57</td> <td>5527.27</td> <td>5922.62</td> </tr> <tr> <td>2</td> <td>State Peak Demand</td> <td>MW</td> <td>15,226</td> <td>16,256</td> <td>17,831</td> <td>18,805</td> <td>19,913</td> </tr> <tr> <td>3</td> <td>Transmission Charges</td> <td>INR/kWh/ Month</td> <td>221.17</td> <td>237.54</td> <td>242.06</td> <td>244.93</td> <td>247.85</td> </tr> </tbody> </table> <p><b>B) Transmission Loss Reduction Trajectory</b></p> <table border="1"> <thead> <tr> <th>SN</th> <th>Particulars</th> <th>2024-25</th> <th>2025-26</th> <th>2026-27</th> <th>2027-28</th> <th>2028-29</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Transmission Loss (%)</td> <td>2.75</td> <td>2.75</td> <td>2.70</td> <td>2.70</td> <td>2.70</td> </tr> <tr> <td></td> <td></td> <td>+/- 0.3</td> <td>+/- 0.3</td> <td>+/- 0.3</td> <td>+/- 0.3</td> <td>+/- 0.3</td> </tr> </tbody> </table> <p><b>C) Capital Investment</b></p> <table border="1"> <thead> <tr> <th>SN</th> <th>Particulars</th> <th>2024-25</th> <th>2025-26</th> <th>2026-27</th> <th>2027-28</th> <th>2028-29</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Capital Investments (in Rs. Crore)</td> <td>3,955.29</td> <td>3,064.41</td> <td>2,658.01</td> <td>3,065.68</td> <td>2,986.02</td> </tr> </tbody> </table> <p><b>TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED PROPOSED TARIFF FOR SLDC ACTIVITY OF APTRANSCO FOR 5th CONTROL PERIOD I.e., FY 2024-25 TO FY 2028-29</b></p> <p><b>A) ARR / SLDC Annual fee</b></p> <table border="1"> <thead> <tr> <th>Sl.</th> <th>Description</th> <th>2024-25</th> <th>2025-26</th> <th>2026-27</th> <th>2027-28</th> <th>2028-29</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Aggregate Revenue Requirement (in Rs. 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The Commission will hold public hearings through video conference to provide an opportunity for all the stakeholders across the state to submit their views/objections/suggestions on the filings. The Commission will hear the OPs/filings of all the DISCOMs, APTRANSCO and APSLDC together from 29-01-2024 to 31-01-2024 daily 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:</p> <p><b>29.01.2024 (Monday)</b></p> <table border="1"> <tbody> <tr> <td>10:30 AM to 10:35 AM</td> <td>Opening Remarks by the Commission Secretary</td> </tr> <tr> <td>10:35 AM to 10:40 AM</td> <td>Remarks by the Hon'ble Chairman, APERC</td> </tr> <tr> <td>10:40 AM to 11:45 AM</td> <td>Presentation by the DISCOMs &amp; APTRANSCO</td> </tr> <tr> <td>11:45 AM to 01:00 PM</td> <td>Views/objections/suggestions by the Public</td> </tr> <tr> <td>01:00 PM to 02:00 PM</td> <td>Lunch Break</td> </tr> <tr> <td>02:00 PM to 04:30 PM</td> <td>Views/objections/suggestions by the Public</td> </tr> </tbody> </table> <p><b>30.01.2024 (Tuesday)</b></p> <table border="1"> <tbody> <tr> <td>10:30 AM to 01:00 PM</td> <td>Views/objections/suggestions by the Public</td> </tr> <tr> <td>01:00 PM to 02:00 PM</td> <td>Lunch Break</td> </tr> <tr> <td>02:00 PM to 04:30 PM</td> <td>Views/objections/suggestions by the Public</td> </tr> </tbody> </table> <p><b>31.01.2024 (Wednesday)</b></p> <table border="1"> <tbody> <tr> <td>10:30 AM to 01:00 PM</td> <td>Views/objections/suggestions by the Public</td> </tr> <tr> <td>01:00 PM to 02:00 PM</td> <td>Lunch Break</td> </tr> <tr> <td>02:00 PM to 03:00 PM</td> <td>Views/objections/suggestions by the Public</td> </tr> <tr> <td>03:00 PM to 04:30 PM</td> <td>Replies by the DISCOMs &amp; APTRANSCO</td> </tr> </tbody> </table> <p><b>Note:</b> Depending on the participation and response of the stakeholders, each day's schedule may be modified, and the public hearing will be conducted one more day on 01.02.2024, if necessary.</p> <p>6. Persons who are desirous of being heard through video conference shall inform the same in advance to APTRANSCO with a copy to the Commission indicating the date and name of the office of the Executive Engineer/Divisional Engineer of the DISCOM from which they intend to present their views/objections/suggestions.</p> <p>7. The Commission will host on its website the day-wise list of the names of the persons who have registered to present their views/objections/suggestions.</p> <p>8. The Executive Engineer of the APTRANSCO field shall be present at the office of the EE/DE of DISCOM concerned. If any of the DE/EE's offices receives requests from persons who have not earlier communicated their intent to make their submissions in person, on any hearing day, the DE/EE concerned will inform the same to the Commission through video conference on that date of the hearing after all the registered persons are heard. If the Commission permits, such persons may make their submissions. APTRANSCO in coordination with DISCOMs will provide a meeting link and publish it in newspapers to enable the general public to present their objections through video conference from their homes/offices without the necessity of going to the office of the EE/DE concerned.</p> <p>9. The Commission will sit in the Conference Hall of the APEPDCL at Visakhapatnam on all days of public hearings.</p> <p>10. The public hearings are streamed live. The method and manner of viewing the live stream will be separately published through print/electronic media.</p> <p><b>Date : Vijayawada</b>  <b>Place : 11.12.2023</b>  <b>DIPR No.2529PP/CL/ADVT/1/1/2021-22, Dt: 08/12/2023</b></p> <p><b>Sd/- CHAIRMAN &amp; MANAGING DIRECTOR</b>  <b>APTRANSCO</b></p>					SN	Parameter	Unit	2024-25	2025-26	2026-27	2027-28	2028-29	1	Aggregate Revenue Requirement	INR Crs.	4041.05	4633.66	5179.57	5527.27	5922.62	2	State Peak Demand	MW	15,226	16,256	17,831	18,805	19,913	3	Transmission Charges	INR/kWh/ Month	221.17	237.54	242.06	244.93	247.85	SN	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29	1	Transmission Loss (%)	2.75	2.75	2.70	2.70	2.70			+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3	SN	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29	1	Capital Investments (in Rs. Crore)	3,955.29	3,064.41	2,658.01	3,065.68	2,986.02	Sl.	Description	2024-25	2025-26	2026-27	2027-28	2028-29	1	Aggregate Revenue Requirement (in Rs. 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**ANNEXURE - B****LIST OF OBJECTORS**

1	Sri. M. Venugopala Rao, Sr. Journalist, Hyderabad
2	Sri. CH.Baburao, CPI(M), Governorpeta, Vijayawada-2



## ANNEXURE - C

## GENERATION CAPACITY (MW) FOR 5TH CONTROL PERIOD

S.No.	SOURCE OF POWER	FILED					APPROVED				
		FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
	<b>APGENCO - Thermal</b>										
1	VTPS Stage I (2X210MW)	383	383	383	383	383	383	383	383	383	383
2	VTPS Stage II (2X210MW)	383	383	383	383	383	383	383	383	383	383
3	VTPS Stage III (2X210MW)	383	383	383	383	383	383	383	383	383	383
4	VTPS Stage IV (1X500)	463	463	463	463	463	463	463	463	463	463
5	RTPP Stage I (2X210MW)	382	382	382	382	382	382	382	382	382	382
6	RTPP Stage II (2X210MW)	382	382	382	382	382	382	382	382	382	382
7	RTPP Stage III (1X210MW)	191	191	191	191	191	191	191	191	191	191
8	Rayalaseema Stage IV Unit- 6 (600MW)	558	558	558	558	558	558	558	558	558	558
9	Krishnapatnam TPP (JVP) Stage I (2X800MW) Unit-1	673	673	673	673	673	673	673	673	673	673
10	Krishnapatnam TPP (JVP) Stage I (2X800MW) Unit-2	673	673	673	673	673	673	673	673	673	673
11	Krishnapatnam TPP (JVP) Stage II (1X800MW) Unit-3	748	748	748	748	748	748	748	748	748	748
12	VTPS Stage IV (1X800)	748	748	748	748	748	748	748	748	748	748
	<b>Total Thermal</b>	5967	5967	5967	5967	5967	5967	5967	5967	5967	5967
	<b>APGENCO - Hydel</b>										
13	MACHKUND PH AP Share	59	59	59	59	59	59	59	59	59	59
14	TUNGABHADRA PH AP Share	57	57	57	57	57	57	57	57	57	57
15	USL (4X60)	238	238	238	238	238	238	238	238	238	238
16	LSR (4X115)	455	455	455	455	455	455	455	455	455	455

S.No.	SOURCE OF POWER	FILED					APPROVED				
		FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
17	DONKARAYI (1X25)	25	25	25	25	25	25	25	25	25	25
18	SSLM (7X110)	762	762	762	762	762	762	762	762	762	762
19	NSRCPH (3X30)	89	89	89	89	89	89	89	89	89	89
20	PABM (2X10)	20	20	20	20	20	20	20	20	20	20
21	MINI HYDRO (Chettipetta)	1	1	1	1	1	1	1	1	1	1
22	Nagarjunasagar Tail pond (1x25 MW) Unit-1	25	25	25	25	25	25	25	25	25	25
23	Nagarjunasagar Tail pond (1x25 MW) Unit-2	25	25	25	25	25	25	25	25	25	25
24	Polavaram (12X80MW)	555	950	950	950	950	555	950	950	950	950
25	Lower Sileru (2X115) (Unit-5 & Unit-6)	228	228	228	228	228	228	228	228	228	228
26	Upper Sileru Pumped Storage Project (9*150MW) (Balance 1 Unit)	0	0	0	1188	1336	0	0	0	0	0
	<b>Total Hydel</b>	2539	2934	2934	4122	4270	2539	2934	2934	2934	2934
	<b>CGS</b>										
27	NTPC (SR)	276	276	276	276	276	276	276	276	276	276
28	NTPC (SR) Stage III	69	69	69	69	69	69	69	69	69	69
29	Talcher Stage 2	176	176	176	176	176	176	176	176	176	176
30	NLC Stage-I	47	47	47	47	47	47	47	47	47	47
31	NLC Stage-II	86	86	86	86	86	86	86	86	86	86
32	NPC-MAPS	18	18	18	18	18	18	18	18	18	18
33	NPC-Kaiga unit I & II	55	55	55	55	55	55	55	55	55	55
34	NPC-Kaiga unit III & IV	59	59	59	59	59	59	59	59	59	59
35	NTPC Simhadri Stage I	461	461	461	461	461	461	461	461	461	461
36	NTPC Simhadri Stage II	214	214	214	214	214	214	214	214	214	214
37	Vallur Thermal Power Plant	86	86	86	86	86	0	0	0	0	0
38	Kudigi	211	211	211	211	211	0	0	0	0	0

S.No.	SOURCE OF POWER	FILED					APPROVED				
		FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
39	Tuticorin joint venture plant	121	121	121	121	121	0	0	0	0	0
40	NNTPS	53	53	53	53	53	0	0	0	0	0
41	Kudankulam unit 1	2	2	2	2	2	0	0	0	0	0
42	NTPC JNNSM Phase 1	39	39	39	39	39	39	39	39	39	39
43	NLC TPS I Exp	2	2	2	2	2	0	0	0	0	0
44	NLC TPS II Exp	3	3	3	3	3	0	0	0	0	0
45	Telangana Super Thermal Power Stations (Phase-1 (Unit-1&2))	16	16	16	16	16	0	0	0	0	0
46	Bhavni	100	100	100	100	100	0	0	0	0	0
47	Talcher Stage 3	0	0		264	264	0	0	0	0	0
	<b>Total CGS</b>	2095	2095	2095	2359	2359	1501	1501	1501	1501	1501
	<b>AP DISCOM &amp; IPP Gas</b>										
48	Godavari Gas Power Plant	207	207	207	207	207	207	207	207	207	207
49	Gas Projects (Expiry of 170.6MW (Vemagiri))	361	164	164	164	0	361	164	164	164	0
50	Total APGPCL, APDISCOM & IPP Gas	568	371	371	371	207	568	371	371	371	207
	<b>IPPs - Others</b>										
51	Sembcorp-P1 (Unit-1)	231	231	231	231	231	231	231	231	231	231
52	Sembcorp-P1 (Unit-2)	570	570	570	570	570	0	0	0	0	0
53	Sembcorp-P2	625	625	625	625	625	625	625	625	625	625
54	Hinduja (HNPCCL)	978	978	978	978	978	978	978	978	978	978
	<b>Total IPPs - Others</b>	2404	2404	2404	2404	2404	2404	1834	1834	1834	1834
	<b>Non Conventional Sources</b>										
55	NCE - Solar	6756	9756	10755	10755	10755	6756	9756	10755	10755	10755
56	NCE - Wind Power	3636	4401	4396	4396	4396	3636	3637	3632	3632	3632
57	NCE - Mini Hydrel	29	29	29	29	29	29	29	29	29	29

S.No.	SOURCE OF POWER	FILED					APPROVED				
		FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
58	NCE - Others (Expiry of 14.66MW)	122	95	85	83	68	122	95	85	83	68
59	BBB Scheme	0	400	400	400	400	0	0	0	0	0
	<b>Total NCE</b>	10542	14680	15664	15662	15648	10542	13516	14500	14498	14484
	<b>Total Generation Capacity</b>	24114	28451	29435	30885	30854	23521	26123	27107	27105	26927
60	Open Access Generators	365	365	365	365	365	355	376	400	422	457
	<b>Grand Total</b>	24479	28816	29800	31250	31219	23876	26499	27507	27527	27384

