

Retail Supply Tariff

FY2024-25



ORDER

on

**Tariff for Retail Sale of Electricity
during FY2024-25**

Andhra Pradesh

Electricity Regulatory Commission

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



Andhra Pradesh Electricity Regulatory Commission

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during FY2024-25***

11th March, 2024

In the areas of Supply of

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

A P Central Power Distribution Corporation Ltd. (APCPDCL)

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

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FROM THE CHAIRMAN'S DESK



Dear Stakeholders,

This is my fifth and last endeavour as Chairman of APERC to present RSTO for FY2024-25. I am pleased to share with you that the Commission has decided to keep the existing tariffs unchanged for the upcoming fiscal year, except for the Railways. The State Government has been extremely cooperative in coming forward to bear the entire subsidy burden of Rs.13,589.18 crores compared to last year's subsidy at Rs.10,135.22 crores thereby avoiding the necessity of imposing an additional burden on the consumers to cover the revenue shortfall. This move would help to alleviate any further financial burden on consumers. However, the Commission has modified the tariffs for the Railways from Rs.5.50 per unit to Rs.6.50 per unit to reflect the actual cost of service and inflation since there is no hike in Tariffs for Railways from FY2020-21. The Commission has provided some relief to Sago mills and poultry plants. The Sago mills were included in the seasonal industries category. The poultry plants are allowed 5 per cent of their total consumption under the same category of billing to meet their office and staff quarters consumption which is incidental to their activity. This move will provide relief to them from DPE/Vigilance cases under malpractices. Further, the Gird Support Charges were limited to only co-located captive power plants as per the Hon'ble APTEL's order dated 14.12.2023. The Green Tariff was fixed at Rs.0.75 premium over the applicable category's tariff to facilitate the procurement of green energy from DISCOMS directly by any consumer without any hassles irrespective of their RPPO and RCO obligations under the Electricity Act, 2003 and the Energy Conservation (Amendments) Act, 2022 respectively. The tariff for EVs has remained at Rs.6.70 per unit without demand charges for the promotion of their penetration, even though DISCOMS proposed to increase the tariff to the cost of service level. It is also noteworthy that the tariffs of EHT consumers are less than the cost of service.

As has been the practice with the present Commission, it has undertaken regular field visits to inspect substations and feeders and held review meetings in various districts to evaluate the performance of DISCOMs and issue appropriate directions for strengthening the

network, reducing feeder overloads, and improving the overall performance of the DISCOMS. In addition to the above, some of the following important initiatives have been taken by the Commission in recent times.

- The Commission issued an amendment to the safety Regulation providing for most of pay compensation for fatal/non-fatal electrical accidents involving non-departmental individuals/animals, even when there is no wrongful act, omission, rashness, neglect or default on the part of the licensee and irrespective of the place of the electrical accidents, a unique and first of its kind Regulation introduced to provide solace to the victims' families.
- The Commission issued amendments to the Tariff Regulations for the timely recovery of power utilities's expenditure and also to recover reasonable expenditure. The Commission issued the Solar Rooftop Regulation to promote distributed electricity generation in the State. Many New regulations are under pipeline such as Regulations on green energy open access, notifying threshold limit for transmission projects to be taken up under competitive bidding under section 63 of the Electricity Act, 2003 and Transmission license conditions.
- To complement the Regulation on Short-term power purchases, the Commission issued the Guidelines on the Reserve shutdown, and timelines for submitting the proposals for the procurement of short-term power from the open market to optimise the cost with better planning in advance.
- Revival of sick industrial policy, which relieves industries of the obligation to pay minimum charges to support sick industries and promote industrial growth.
- Special Officers were appointed for each DISCOM by the Commission to randomly check the ground situation on the supply status, and service issues and to perform the other tasks assigned to them.
- First time, the Commission has provided for payment of interest on delayed payment of Subsidies and the Concessions declared by the State Government.

The Commission ensured timely appointments to the CGRF and Vidyuth Ombudsman. The orders passed by them are being monitored every month to ensure the timely disposal of the complaints of the consumers. The number of complaints with them for adjudication is only 220 in all three DISCOMS together for about 2 crores consumers in the State indicating the effective and efficient consumer service. I also take pride in mentioning that all these actions of the Commission helped in getting an A grade rating in consumer service for all the DISCOMS for FY2022-23 from the Government of India.

I would like to express my appreciation to the CMDs, officers and staff of the DISCOMs, and other stakeholders for their unwavering cooperation throughout the public hearings. I would also like to acknowledge and commend the representatives of political

parties and consumer organizations for the decorum and dignity shown by them while presenting their views during public hearings. Their professional approach and constructive inputs have contributed to the overall quality and output of this RSTO.

I acknowledge the invaluable support my fellow Commission members Sri Thakur Rama Singh, and Sri P.V.R.Reddy provided during this challenging task. I must also acknowledge the significant contribution of the SAC members, who provided valuable suggestions during the meeting held on 13.02.2024, the officers and staff of the Commission. Before parting, I may say that the Commission has endeavoured to address the concerns of all stakeholders and come out with a well-balanced order, given the various constraints.

With due regards

Yours sincerely,

Sd/-

(JUSTICE C. V. NAGARJUNA REDDY)

CHAIRMAN

APEREC

**ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
HYDERABAD**

Present

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

**MONDAY, THE ELEVENTH DAY OF MARCH, TWO THOUSAND AND TWENTY-FOUR
(11.03.2024)**

In the matter of

TARIFF DETERMINATION FOR RETAIL SALE OF ELECTRICITY DURING FY2024-25

in

O.P.No.71 of 2023

Southern Power Distribution Company of Andhra Pradesh Limited ... (APSPDCL)

O.P.No.72 of 2023

Andhra Pradesh Central Power Distribution Corporation Limited ... (APCPDCL)

and

O.P.No.73 of 2023

Eastern Power Distribution Company of Andhra Pradesh Limited ... (APEPDCL)

The Aggregate Revenue Requirement (ARR) and Filing for Proposed Tariff (FPT) for various consumer categories for the Financial Year 2024-25 filed by Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL or SPDCL) vide O.P.No.71 of 2023, Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL or CPDCL) vide O.P.No.72 of 2023 and Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL or EPDCL) vide O.P.No.73 of 2023 on 30th November 2023 in respect of their individual Retail Supply businesses came up for consideration before the Commission. Upon following the procedure prescribed for determination of such tariff u/s 64 of the Electricity Act, 2003 (Central Act, 36 of 2003) and after careful consideration of the material available on record, in exercise of the powers vested in it under the said Central Act, 36 of 2003, the Andhra Pradesh Electricity Reform Act, 1998 (State Act 30 of 1998) and the APERC (Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005 (Regulation 4 of 2005) the Commission hereby passes the tariff determination order.

COMMON ORDER

CHAPTER – I

INTRODUCTION

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

APERC (Adaptation) Regulation, 2014

2. In exercise of the powers conferred by Section 181 of the Electricity Act, 2003 (Central Act 36 of 2003) and all other powers thereunder enabling, including those conferred by the Andhra Pradesh Electricity Reform Act, 1998 (State Act 30 of 1998) and the A.P. Reorganisation Act, 2014, the Commission issued APERC (Adaptation) Regulation, 2014 (Regulation No.4 of 2014) and notified that with effect from 01.08.2014, whereby all regulations made by, all decisions, directions or orders of, and all the licenses and practice directions issued by the Commission in existence as on the date of G.O.Ms.No.35, dt.01.08.2014 referred to above, shall apply to the State of Andhra Pradesh and shall continue to have effect until duly altered, repealed or amended. The said Regulation 4 of 2014 was published in the Extraordinary Gazette of the State of Andhra Pradesh on 29.11.2014.
3. In addition to the two licensees, i.e., APSPDCL and APEPDCL, in exercise of its powers conferred under Section 14 of the Electricity Act, 2003, the Commission granted a licence to the Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), to undertake distribution of electricity in Krishna, Guntur, and Prakasam districts of Andhra Pradesh State for 25 years with effect from 01-04-2020. Accordingly, APCPDCL is carrying on the Retail Supply and Distribution Business with effect from 01-04-2020 in the three districts of Krishna, Guntur, and Prakasam. These three districts were under the jurisdiction of APSPDCL till 31.03.2020.

Statutory Provisions

4. Section 64(3) read with Section 62(d) of the Electricity Act, 2003 stipulates that the Commission shall determine tariff for the retail sale of electricity for the Distribution Licensees.
5. Regulation 4 of 2005 notified by the Commission introduced Multi Year Tariff (MYT) framework and accordingly, each distribution licensee has to file ARR along with FPT

with the Commission for determination of Tariff for (a) Distribution business (Wheeling Charges) and (b) Retail Supply Business, for a period of 5 years ('Control Period'). The 5th Control Period covers five years from FY 2024-25 to FY2028-29.

Filing requirements and permission for Annual Filings

6. The Central Act, 36 of 2003 as well as Regulation 4 of 2005 mandate that a distribution licensee shall file for each of its licensed businesses an application, in such form and such manner as specified and following the guidelines issued by the Commission for each year of the Control Period, not less than 120 days before the commencement of the first year of the Control Period, for approval of the Commission. Hence, SPDCL, EPDCL, and CPDCL (hereinafter jointly referred to as the 'Distribution Licensees' or 'DISCOMs') had to file their Aggregate Revenue Requirement (ARR) and Filings for Proposed Tariff (FPT) before 30.11.2023 for the 5th control period as per Regulation 4 of 2005. But, the Chairman and Managing Director of APCPDCL, vide letter dated 03.10.2023, requested the Commission on behalf of all the DISCOMs to permit them to file the ARR and FPT Petitions for Retail Supply Business for the first year of the fifth control period i.e., FY2024-25 on an annual basis because there are significant uncertainties in the projection of the quantum of power to be purchased from various sources as well as its costs and also uncertainties involved in Sales Forecast & Revenue Projections. Considering the difficulties expressed by the three DISCOMs, the Commission, in its proceedings dated 10.10.2023, accorded permission to them to file ARR & FPT petitions for Retail Supply Business for FY 2024-25 on an annual basis in relaxation of the requirement in Regulation 4 of 2005 to file the ARRs for the entire control period.

ARR & FPT Filings for FY 2024-25, Public Notice and information to GOAP

7. Accordingly, the DISCOMs have filed separate petitions seeking approval of their Aggregate Revenue Requirements (ARR), Filings for Tariff Proposals (FPT), along with Cross Subsidy Surcharge (CSS) proposals for FY 2024-25 on 30.11.2023. The ARRs & FPTs, Cross Subsidy Surcharge proposals for FY 2024-25 filed by the DISCOMs have been taken on record by the Commission and were assigned O.P. Nos.71 of 2023, 72 of 2023, and 73 of 2023 for APSPDCL, APCPDCL & APEPDCL respectively.
8. The filings along with the computation sheets in Excel submitted by the DISCOMS were uploaded on the Commission's website. By letter dated 07.12.2023, the Commission directed the DISCOMs to issue a public notice in the Telugu language in two Telugu daily newspapers and the English language in two English daily newspapers incorporating a summary of their ARRs & FPT Schedules, CSS proposals for FY 2024-25 that were submitted to the Commission, for information and calling for views/objections/suggestions on the same from individuals, representatives of

consumer organizations and other stakeholders to be submitted on or before 05.00 PM of 08.01.2024. The DISCOMS were directed to upload the filings and computations in Excel sheets that were submitted to the Commission on their websites and to make available the copies of the same at their respective corporate offices and also at circle offices for sale at the nominal rate of Rs.100 per copy and summary of the filings at a rate of Rs.10 per copy. The DISCOMS were also directed to permit the interested person(s) for the perusal of ARR, Tariff & CSS filings, to take notes thereof during office hours at any of the said offices free of charge.

9. Further, the Commission decided to conduct public hearings through video conference on the 29th, 30th, and 31st of January 2024 on the filings of all three DISCOMS. The DISCOMS were therefore directed to publish the date & timings, the manner and procedure of conducting public hearings through video conference, and the link for live streaming of the event for the benefit of the public in the same public notice on filings.
10. In compliance with the directions of the Commission, the DISCOMS caused the publication of public notices in their respective areas of operation, in the Telugu Language in two (2) Telugu daily newspapers ('Sakshi' and 'Eenadu' newspapers on 10.12.2023) and in the English Language in two (2) English daily newspapers ('The HINDU' and 'The Hans India' newspapers on 10.12.2023) - (Annexure-01 & 02) incorporating a summary of their ARRs, proposed Tariff Schedules, CSS proposals for various consumer categories FY2024-25 & other details as directed, inviting views/objections/ suggestions on these filings. It was also informed in the public notice that all the interested persons/associations/stakeholders/objectors who want to be heard in person/through authorised representatives may appear before the Commission during the public hearings through video conference. The filings & computations in Excel sheets were also uploaded on the websites of the DISCOMS.
11. The Commission vide its letter dated 09.01.2024 also communicated the schedule of public hearings through video conference to the Energy Department/ Government of Andhra Pradesh, and required the presence of a responsible officer from GoAP in the public hearings to make a statement before the Commission on the filings of the DISCOMS and on any subsidies the Government of Andhra Pradesh intends to provide under Section 65 of the Electricity Act, 2003 to various consumer categories for FY 2024-25.

Response to the Public Notices

12. In response to the public notices, the Commission received several objections/suggestions/views in writing through emails and/or in person at its Office and also through video conference during the public hearings. The

views/objections/suggestions received reflected all shades of public opinion on the issues and questions involved including responses from Organizations of Industry, Trade, Consumers, Farmers, Employees, Labourers, Political Parties, Awareness Groups, and Non-Governmental Social Activists as well as experienced and expert individuals acting in the public interest. As directed by the Commission, the DISCOMS sent their written replies to the views/objections/suggestions received before the due date from various stakeholders.

Public Hearings

13. The Commission conducted public hearings through video conference in the presence of all the CMDs and the officers concerned of the DISCOMS at the Conference Hall, Visakhapatnam from 10.30 AM onwards on 29-01-2024, 30-01-2024, and 31-01-2024, to have the widest consultations possible and also the benefit of maximum inputs in finalising the tariff for the retail sale of electricity by the DISCOMS including CSS for various consumer categories for FY2024-25. Names of the stakeholders to be heard day-wise as per seriatim were hosted on the Commission's website well in advance.

14. The DISCOMS have made uninterrupted video conference arrangements at every Superintending Engineer's office/Executive Engineer's operation office in each district having given wide publicity through print and electronic media about public hearings and participation facilities to the public for submitting their views/objections/suggestions to the Commission on their ARR, Tariff, and CSS proposals. The public hearings were conducted from 10.30 AM to 4.30 PM (with a lunch break of one hour) or till all the objectors were fully heard on all three days. The Chairman & Managing Director of each DISCOM made a brief presentation on their filings at the beginning of the first day. Then the stakeholders who registered 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 by them during the three days of the public hearing. The Commission also heard 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 Chairman & Managing Director of the DISCOMS concerned gave a detailed response to each of the views/objections/suggestions presented by the objectors during the three days of the hearings. The representative of GoAP also presented the Government's response to the proposals of the DISCOMS and the public views.

15. After the public hearings, the Commission held a meeting of the State Advisory Committee (SAC) on 13.02.2024 in the Corporate Office of APSPDCL at Tirupati, wherein the views of the members on the ARR, FPTs, and CSS proposals of the DISCOMS were elicited. The CMDs of the DISCOMS & APTRANSCO were also invited to the SAC meeting as special invitees.
16. The views/objections/suggestions expressed by the stakeholders and/or their representatives (Annexure-03), in writing and/or in person through video conference and the replies furnished by the DISCOMS in writing and/or through oral responses during the public hearings in respect of ARR, Tariff, and CSS proposals of the DISCOMS for FY 2024-25 and the views expressed by the members of the State Advisory Committee (SAC) in the SAC meeting on the filings of the DISCOMS, have been carefully considered by the Commission while arriving at the conclusions in this Order, in so far as the determination of ARR, Tariff, and CSS for various consumer categories for FY 2024-25 is concerned.

Summary of Filings

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

Sales and Power Purchase Requirement

18. The DISCOMS forecasted/estimated the sales volume to the different consumer categories during FY2024-25 at 74,522.67 MU for the entire State, comprising 28686.75 MU in respect of SPDCL, 15981.86 MU in respect of CPDCL, and 29854.06 MU in respect of EPDCL in their respective areas of supply. The power purchase requirement is arrived at by grossing up sales at respective voltage levels with applicable losses. For grossing up the sales, the DISCOMS have adopted the following percentage losses:

- a) Distribution losses: The distribution loss percentages projected voltage-wise by APSPDCL, APEPDCL, and APCPDCL for FY 2024-25 are as follows:

Voltage Level	APSPDCL	APCPDCL	APEPDCL
33 kV	3.19%	3.11%	3.34%
11kV	3.30%	3.16%	3.39%
LT	5.09%	3.73%	3.42%

- b) Transmission losses: The Transmission losses including PGCIL have been considered as 3.55% and used to gross up the total energy requirements at the DISCOM periphery.

19. The power purchase requirement for FY 2024-25 for the State as a whole was computed at **83118.13** MU by grossing up the forecasted sales volume with applicable losses at the loss percentages as stated above. The summary of sales, losses, and power purchase requirements as per filings is given in the table below:

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

Sl. No.	DISCOM	Sales (MU)	Losses (MU)	Power purchase requirement (MU)
(a)	(b)	(c)	(d)	(e)=(c)+(d)
1	SPDCL	28686.75	3480.25	32167.00
2	CPDCL	15981.86	2023.62	18005.48
3	EPDCL	29854.06	3091.59	32945.65
4	Total	74522.67	8595.46	83118.13

Energy availability and Surplus/Deficit

20. Based on contracted supply sources, the DISCOMs have estimated the available energy during FY2024-25 at 88086.11 MU for the entire State. The summary of power purchase requirement, availability, and surplus/deficit for each DISCOM and the entire State as per the filings is shown in the table below:

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

Item	APSPDCL	APCPDCL	APEPDCL	Total
(1)	(2)	(3)	(4)	(5)
Availability	34079.51	19063.82	34942.79	88086.11
Power Purchase Requirement	32167.00	18005.48	32945.65	83118.13
Surplus/Deficit (-)	1912.51	1058.34	1997.14	4967.99

Aggregate Revenue Requirement Items

21. The DISCOMS computed/estimated the power purchase cost based on the expected volume of dispatch for each month (depending on monthly sales volume), and fixed and variable costs applicable as per CERC/APERC orders for each generation source/station for FY 2024-25. The transmission & SLDC cost is stated to be as per the MYT filings for the 5th control period filed before the Commission on Transmission Tariffs by APTRANSCO. The distribution cost is stated to be as per the MYT filings for the 5th control period filed before the Commission on Wheeling Tariffs for the distribution business. The costs associated with the usage of the PGCIL network are based on the latest rates approved by CERC to evacuate the power from Central/Interstate Generating stations. The interest cost on consumers' security deposits is stated to be as per the regulation in vogue. The supply margin is stated to

be computed at the rate of 2 per cent on the RRB projected in MYT filings for the 5th control period for the Distribution Business.

22. The other costs are stated to be for the amounts payable towards agricultural solar pump sets, energy efficient pump sets, expenses for safety measures, expenses for grants to APSEEDCO as per the orders of the Commission, etc. The amounts payable towards pension funds are shown as separate items in ARR by all three DISCOMs. But, APSPDCL has shown them under network costs whereas APEPDCL & APCPDCL have shown them as part of supply cost.
23. With these ARR line items, as detailed above, the DISCOMs computed/estimated the ARR for FY 2024-25 as shown in the table below:

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

Sl. No.	ARR Items	SPDCL	CPDCL	EPDCL	TOTAL
1	Transmission Cost	1,628.16	939.64	1,338.56	3,906.36
2	SLDC Cost	35.84	20.39	31.66	87.88
3	Distribution Cost	4,490.33	2,161.32	2,862.77	9,514.42
4	PGCIL Expenses	697.59	402.62	624.80	1,725.01
5	ULDC Charges	1.47	0.85	1.32	3.64
6	Network and SLDC Cost (1+2+3+4+5)	6,853.38	3,524.82	4,859.10	15,237.30
7	Power Purchase Cost	15,094.14	8,459.24	15,464.22	39,017.60
8	Interest on consumer security deposits	176.66	114.27	195.34	486.28
9	Supply Margin in Retail Supply Business	40.16	23.72	19.24	83.11
10	Other Costs, if any	173.79	138.18	90.24	402.21
11	Additional Interest on Pension Bonds	521.11	291.69	533.73	1,346.53
12	Supply Cost (7+8+9+10+11)	16,005.86	9,027.10	16,302.77	41,335.73
13	Aggregate Revenue Requirement (ARR) (6+12)	22,859.24	12,551.92	21,161.87	56,573.03

Expected Revenue from Charges (ERC)

24. The DISCOMs computed the Expected Revenue from Charges (ERC) by applying the existing/current tariff for the forecasted retail sales to different consumer categories in their respective areas of supply during FY 2024-25. The DISCOMS submitted the proposals with certain modifications of the tariff in HT Category III (C) Energy Intensive Industries and HT-IV-(D)-Railway Traction and premium to Green Energy tariff in FY 2024-25. The summary of ARR, ERC (current tariffs), ERC (modified tariffs)

for certain categories), and Revenue Gap with current tariffs and with tariff modifications for each licensee during FY 2024-25 as per the filings is given in the tables below:

Table 4: Filings: ARR, ERC and Revenue Gap (Rs. Cr.) for FY 2024-25 at current tariffs

S. No.	Item	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	ARR	22,859.24	12,551.92	21,161.87	56,573.03
2	Revenue from Current Tariffs	13787.35	9090.61	17331.89	40209.85
3	Non-Tariff Income	1388.40	392.52	432.56	2213.48
4	Revenue from CSS&GSC	142.46	21.53	89.71	253.70
5	Revenue from RECs	20.00	0.00	0.00	20.00
6= (2) +(3) +(4) +(5)	Total Revenue	15338.21	9504.66	17854.16	42697.03
7= (1)-(6)	Revenue Gap at current Tariffs	7521.03	3047.26	3307.72	13876.01

Table 5: Filings: ARR, ERC and Revenue Gap (Rs. Cr.) for FY 2024-25 at modified tariffs

S. No.	Item	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	ARR	22,859.24	12,551.92	21,161.87	56,573.03
2	Revenue with tariff modifications for certain categories	13887.51	9141.34	17,432.33	40,461.18
3	Non-Tariff Income	1388.40	392.52	432.56	2,213.48
4	Revenue from CSS&GSC	142.46	21.53	89.71	253.70
5	Revenue from RECs	20	0	0	20.00
6= (2) +(3) +(4) +(5)	Total Revenue	15438.37	9555.39	17,954.60	42,948.36
7= (1)-(6)	Revenue Gap at modified Tariffs	7,420.87	2,996.53	3,207.27	13,624.67

25. However, the DISCOMs have filed Zero Net Gaps by proposing a Full Cost Recovery Tariff (FCRT) as per govt. orders for all categories of consumers.

Tariff Proposals for FY 2024-25

26. The DISCOMs have proposed to continue the existing Retail Supply Tariff schedule for the financial Year 2024-25 with the following modifications.

- i. Proposal on HT-II(C) Electric Vehicles/ Charging Stations:** The Tariff is Rs.6.70 per unit with a 10% discount for station maintenance in the current schedule. The DISCOMS proposed to link the tariff to the cost of service of the relevant voltage with no concession for station maintenance.
- ii. Proposal for Creation of a separate sub-category in HT III(C) - Energy Intensive Industries for solar PV module manufacturing industry allocated under PLI:** The Government of Andhra Pradesh (GoAP) vide G.O.Ms.No.112 dated 09.11.2023, issued orders for creation of separate sub-category under HT - III (C) for vertically integrated PV Solar modules manufacturing facilities allocated under Production Linked Incentive (PLI) Scheme. The statement from the G.O.Ms.No.112 is reproduced in verbatim:

“B. Non-Fiscal incentives – Power related

Energy department shall take steps for creating a separate sub-category under HT III (C) for power tariff to vertical integrated PV Solar modules manufacturing allocated under PLI.”

Further, vide G.O.Ms.No.66 dated 15.09.2022, GoAP has directed to extend power incentives to vertically integrated PV Solar modules manufacturing facilities allocated under PLI at a fixed tariff of Rs. 4.00 per unit from the commencement of production, on the power consumed from DISCOMs. This fixed tariff includes demand charges, energy charges, and Time of Day (ToD) charges.

Accordingly, DISCOMS proposed the sub-category with the following definition for applicability.

“This tariff applies to vertically integrated PV Solar modules manufacturing facilities allocated under PLI or such projects/industries that have been allocated power/tariff-related incentives by GoAP under HT- III (C)(b)”

The tariff proposed for the subcategory is as shown below:

Voltage of Supply	Demand Charges (Rs. /kVA/month)	Energy Charges (Rs. /kVAh)	ToD Charges (Rs. /kVAh)
400/220 kV and below	0	4.00 for the first 7 years and Rs.4.50/unit for the next eight years	Nil

- iii. Proposal on HT-IV(D) Railway Traction:** The Railway Traction Tariff since FY2016-17 is given below:

Financial Year	Approved Tariff	
	Energy charges (Rs/Unit)	Fixed / Demand charges (Rs/kVA/Month)
2016-17	6.68	-
2017-18	3.55	300
2018-19	3.55	300
2019-20	3.75	350
2020-21	5.50	350
2021-22	5.50	350
2022-23	5.50	350
2023-24	5.50	350

As seen from the table above, there is no tariff change for the last four years. But the cost of service has been increased by 40%. Therefore, to cover the annual inflation of around 4.5% at least, the tariff can be hiked by Rs.1 per unit. Accordingly, the proposal is made. The expected additional Revenue is around Rs. 250 Crore from this tariff hike for all three DISCOMS.

iv. Green Energy Tariff: The Commission fixed the Green Energy Tariff at the premium of Rs. 0.75 per unit for all the consumer categories who intend to buy Green Power from DISCOMS. In this regard, the DISCOMS proposed to enhance the same to Rs. 1.0 per unit in line with the price of the Renewable Energy Certificate (REC) in the exchange. Further, since the consumer under any category is entitled to Green Power by paying a premium over & above his regular tariff, a separate subcategory of Green Power is redundant and may be removed.

v. Other Proposal: The additional load may be arrived based on the RMD instead of the sanctioned contracted load for all categories except Agriculture.

27. The DISCOMs have submitted proposed tariffs along with full cost recovery tariff in terms of G. O. Rt. No.161, dated 15.11.2021 as given below for consumers of LT supply.

Category	Group	Sub - Category	Fixed Charges (Rs/KW/Month or Rs/KVA/Month)	Proposed Energy Charges	Full Cost Recovery of Energy Charges as per the directions of GoAP (Rs. / Unit)		
					SPDCL	CPDCL	EPDCL
LT Power Supply							
I : Domestic	A	0-30	10	1.90	5.49	4.37	3.91
I : Domestic	A	31-75	10	3.00	6.49	4.52	4.57
I : Domestic	B	76-125	10	4.50	6.49	5.83	4.91
I : Domestic	B	126-225	10	6.00	6.49	6.67	6.00
I : Domestic	B	226-400	10	8.75	8.75	8.75	8.75
I : Domestic	B	>400	10	9.75	9.75	9.75	9.75

Category	Group	Sub - Category	Fixed Charges (Rs/KW/Month or Rs/KVA/ Month)	Proposed Energy Charges	Full Cost Recovery of Energy Charges as per the directions of GoAP (Rs. / Unit)		
					SPDCL	CPDCL	EPDCL
Commercial & Others	A (ii)	0-50	75	5.40	5.40	5.40	5.40
II : Commercial & Others	A (ii)	51-100		7.65	7.65	7.65	7.65
II : Commercial & Others	A (ii)	101-300		9.05	9.05	9.05	9.05
II : Commercial & Others	A (ii)	301-500		9.60	9.60	9.60	9.60
II : Commercial & Others	A (ii)	Above 500 Units		10.15	10.15	10.15	10.15
II : Commercial & Others	A (iii)	Advertising Hoardings	100	12.25	12.25	12.25	12.25
II : Commercial & Others	A (iv)	Function halls / Auditoriums	-	12.25	12.25	12.25	12.25
II : Commercial & Others	B	Startup Power	-	12.25	12.25	12.25	12.25
II : Commercial & Others	C	Electric Vehicles / Charging Stations	-	6.70	7.97	6.70	6.70
II : Commercial & Others	D	Green Power	-	12.25	12.25	12.25	12.25
III : Industry	A	Industry (General)	75	6.70	6.70	6.70	6.70
III : Industry	B	Seasonal Industries(Off-Season)	75	7.45	7.45	7.45	7.45
III : Industry	D	Cottage Industries upto 10 HP *	20	3.75	3.75	3.75	3.75
IV : Institutional	A	Utilities	75	7.00	7.00	7.00	7.00
IV : Institutional	B	General Purpose	75	7.00	7.00	7.00	7.00
IV : Institutional	C (i)	Religious Places	30	3.85	3.85	3.85	3.85
IV : Institutional	C(ii)	Religious Places	30	5.00	5.00	5.00	5.00
V:Agriculture	A (i)	Corporate farmers	-	3.50	7.97	7.56	7.08
V:Agriculture	A (ii)	Non-Corporate farmers	-	-	7.97	7.92	7.34
V:Agriculture	A (iii)	Salt farming units upto 15 HP	-	2.50	7.97	7.56	7.20
V:Agriculture	A (iv)	Sugarcane crushing	-	-	7.97	8.00	7.33
V:Agriculture	A (v)	Rural Horticulture Nurseries	-	-	7.97	7.61	7.34
V:Agriculture	A (vi)	Floriculture in Green House	75	4.50	7.97	5.73	6.79
V:Agriculture	B	Aquaculture and Animal Husbandry	30	3.85	7.97	7.41	7.00
V:Agriculture	D	Agro based Cottage Industries upto 10HP	20	3.75	7.97	7.63	7.10
V:Agriculture	E	Government / Private Lift Irrigation Schemes	-	6.40	7.97	7.69	6.40

The proposed & full cost tariffs are the same as retail supply tariffs approved in RST Order for FY 2023-24 in respect of consumers availing HT supply.

28. The DISCOMS have also filed statements of variations of controllable and uncontrollable items of the Distribution Business as per Regulation 4 of 2005. The

APEPDCL filed the information from FY 2019-20 to FY 2022-23, APCPDCL filed from FY 2020-21 to FY 2022-23 and APSPDCL filed for FY 2022-23.

Views/Objections/Suggestions

(A) Sri V. Srinivasa Rao, Sri. M.Venugopala Rao & others have stated that public hearings through the web are not helpful to directly come and interact with the Commission. Hence, the Public hearings are to be conducted in physical mode instead of VC mode since this mode was opted for during Corona pandemic time. That normalcy is restored in all aspects at present, the physical mode of hearings should be preferred. Sri. M. Venugopala Rao & others also stated that the hearings shall be conducted in both physical and virtual modes.

DISCOMS' Response: The issue of conducting public hearings in physical mode is in the purview of the Commission.

Commission's view: The physical mode of public hearings is accessible to only a few stakeholders since the public hearings in physical mode would be limited to a few locations. Physical hearings require a lot of logistic arrangements for the smooth conduct of the hearings. The objectors have to travel to the designated locations incurring travel costs to participate in the hearings. The location of physical hearing may be far away from the objectors. Whereas in the online mode, there are almost 70 nodal points set up in all headquarters of Operation Circles & Divisions of DISCOMs and connected seamlessly with technological support spread across the State. Thus, virtually the hearings were conducted at 70 places and the same was convenient for the Objectors to choose a nearby location, thus saving time, effort and cost to utilities as well as to the stakeholders. Moreover, those objectors who opt for using LINK, can participate from their own office or residence, without having to travel as in case of physical hearings. Hence, the Commission preferred web hearings instead of physical hearings due to the advantages mentioned above.

(B) Sri V. Srinivasa Rao and Sri. B. Tulasi Das have stated that the clubbing of hearings of both MYT and Retail Supply Business-Annual tariff is not correct. They should be held distinctly and separately. That first, MYT should be held followed by RSB-annual.

Sri Venugopala Rao and others have also stated that the DISCOMs, TRANSCO and SLDC have submitted all these petitions simultaneously based on applicable

regulations. For any serious study of all these petitions in eight volumes, analysis of the contents therein and preparation of reasoned submissions, a period of just a little less than one month is insufficient. Also, conducting public hearings on all these petitions simultaneously only for three days with one reserve day will deny sufficient time for reasoned submissions on these petitions. Considering all these petitions and issuing orders in time so that they come into force from the 1st of April 2024, is a stupendous task for the Commission also. Therefore, the Commission may re-examine and amend the applicable regulations in such a way that a sufficient gap is provided between MYT and annual ARR and tariffs of the DISCOMs, in future for filing submissions by the interested public by holding public hearings both physically and in virtual mode.

DISCOMS' Response: The Objector is required to appear before the Commission twice to present their views and objections if hearings on two filings are conducted separately. This could save their costs, time and effort.

Commission's view: As per section 64 (3) of the Electricity Act-2003, the Appropriate Commission shall, within one hundred and twenty days from receipt of an application under sub-section (1) and after considering all suggestions and objections received from the public, - (a) issue a tariff order accepting the application with such modifications or such conditions as may be specified in that order. The Transmission & Distribution Licensees in the State have filed MYT for network business and the DISCOMS filed Annual ARR for Retail Supply Business as per Tariff Regulations issued by the Commission. Since there is a statutory mandate on the Commission to issue the Tariff Orders within 120 days of application, it has no other option, except to club the public consultation process for MYT filings and Annual filings. Further, this practice is not new and has been in vogue since 2005. The Commission has allowed four weeks time for submission of the objections as against the three weeks time allowed in the past, keeping in view the simultaneous filings of MYT and RST. As regards the insufficient time for submission during public hearings, this apprehension has been proved unfounded post hearings. The Commission allowed all the objectors to submit their views /objections without placing unreasonable restrictions on time, except in cases where the objectors tried to repeat or speak on topics which are wholly irrelevant. At the end, no objector was left with the feeling that either he was not fully heard or denied opportunity to make his submissions. Regarding the request of amendments to Regulations to provide a sufficient gap between MYT and RST filings, the Commission is of the view that there is no such necessity as the filings of the Resource plan, which is the basis for MYT, were made well in advance before the MYT filings.

Conclusion

29. The Commission has decided to consider the ARR, FPT, and CSS filings for FY2024-25 submitted by the DISCOMs as stated briefly in this Chapter, as the basis for the determination of ARR and Tariff for Retail Sale of Electricity for FY 2024-25 after duly considering the views/objections/suggestions of stakeholders, as discussed in subsequent chapters of this order.

CHAPTER - II

STATEMENT OF GOVERNMENT OF ANDHRA PRADESH

గౌరవ ఆంధ్రప్రదేశ్ రాష్ట్ర విద్యుత్ నియంత్రణ మండలి నిర్వహించుచున్న బహిరంగ ప్రజాభిప్రాయ సేకరణ సందర్భముగా ఆంధ్రప్రదేశ్ రాష్ట్ర ప్రభుత్వ ప్రకటన:

30. రాష్ట్రంలో పారిశ్రామిక రంగం వేగంగా అభివృద్ధి చెందడానికి, సుస్థిర వ్యవసాయానికి, అన్ని రంగాలలో సమీకృత అభివృద్ధి సాధించుటకు విద్యుత్ రంగం అత్యంత కీలకం అని రాష్ట్ర ప్రభుత్వం గుర్తించి, గృహ, వాణిజ్య, పారిశ్రామిక రంగాలకు 24X 7 నిరంతరాయంగా సరసమైన ధరలకు విద్యుత్ ను అందించడానికి మరియు వ్యవసాయ రంగానికి పగటి పూట 9 గంటల పాటు నాణ్యమైన ఉచిత విద్యుత్ ను అందించడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.
31. వివిధ ప్రభుత్వ ఉత్తర్వులలో ప్రకటించిన విధంగా ఆక్యా , SC/ST కాలనీలు మరియు వివిధ రంగాలకు సబ్సిడీ పై విద్యుత్ ను అందించడానికి రాష్ట్ర ప్రభుత్వం పూర్తిగా కట్టుబడి వుంది.
32. విద్యుత్ కొనుగోలు వ్యయాన్ని తగ్గించడానికి, తక్కువ ధరలలో లభించే పునరుత్పాదక విద్యుత్ ఉత్పత్తి సామర్థ్యం పెంచడానికి, ఎనర్జీ ఎఫిసియెన్సీ చర్యలు, వినియోగదారుల సంక్షేమమే లక్ష్యంగా, మెరుగైన సేవలు అందించడానికి మొత్తం సాంకేతిక, వాణిజ్య నష్టాలు తగ్గించడానికి, సరాసరి సరఫరా వ్యయానికి మరియు సరాసరి రెవెన్యూ రియలైజేషన్ కు గల అంతరాన్ని తగ్గించడానికి మరియు కేంద్ర, రాష్ట్ర ప్రభుత్వ పథకాల అమలులో గుడ్ గవర్నెన్స్ (సుపరిపాలన) సాధన చర్యలు చేపట్టడానికి రాష్ట్ర ప్రభుత్వం తగు చర్యలు తీసుకుంటోంది.
33. రాష్ట్ర విద్యుత్ నియంత్రణ మండలి వారికి పారదర్శకంగా మరియు సరియైన విద్యుత్ కొనుగోలు వ్యయాన్ని నిర్ధారించే చర్యలకు, విద్యుత్ సంస్థల ఆర్థిక స్థిరత్వాన్ని మరియు వినియోగదారుల సౌలభ్యన్ని దృష్టిలో ఉంచుకొని, రాష్ట్ర ప్రభుత్వం మద్దతు తెలుపుతుంది.
34. వ్యవసాయ వినియోగదారులకు అందించవలసిన విద్యుత్ లోడ్ ను తెలుసుకోవడానికి, పగటి పూట 9 గంటల విద్యుత్ ను అందించడానికి అవసరమైన మౌలిక సదుపాయాలు కల్పించడానికి, వ్యవసాయదారులకు నాణ్యమైన విద్యుత్ అందించడానికి , రైతుల నాణ్యమైన విద్యుత్ సరఫరా కోసం విద్యుత్ పంపిణీ సంస్థలను అదిగే హక్కును కలిగించడానికి, విద్యుత్ పంపిణీ సంస్థలు రైతుల పట్ల జవాబుదారీగా నిలవడానికి, రాష్ట్ర ప్రభుత్వం “వై. యస్. ఆర్. ఉచిత వ్యవసాయ విద్యుత్ పథకాన్ని ప్రారంభించింది. ఈ పథకానికయ్యే వ్యయం రూ.6,888.03 కోట్లలో, రూ.5,265.40 కోట్లను ప్రభుత్వం భరించనుండగా, మిగిలిన రూ.1,622.64 కోట్లను గ్రాంటు రూపంలో కేంద్ర ప్రభుత్వం భరిస్తుంది.
35. అంతే కాకుండా విద్యుత్ నష్టాలను తగ్గించడానికి, విద్యుత్ వ్యవస్థను ఆధునీకరించడానికి గ్రామీణ ప్రాంతాల్లో పారిశ్రామికరణ అభివృద్ధి పథంలో పయనించడానికి, ప్రీ-పెయిడ్ మీటర్లను

అమర్చడానికి, కేంద్ర ప్రభుత్వం ప్రకటించిన డిస్టిభూషన్ సెక్టారు స్కీమ్ ను సుమారుగా రూ.13,404.53 కోట్లతో అనుమతించారు. ఇందులో రూ.6,192.12 కోట్ల కేంద్ర ప్రభుత్వ గ్రాంటు లభిస్తుంది. ఈ స్కీమ్ ద్వారా స్మార్ట్ మీటరింగు మరియు మౌలిక సదుపాయాలను అభివృద్ధి పరుచుట ద్వారా, నష్టాలు తగ్గించుటకు ఉద్దేశించినారు. అనుమతులకు అనుగుణంగా పనులు కొనసాగుతున్నాయి.

36. పి వి టి జి (పర్మికులర్లీ వల్నరబుల్ (ఫ్రైబల్ గ్రూప్స్) పథకం కింద 20,587 గృహయోగదారులకు విద్యుత్ సర్వీసులను విడుదల చేయడానికి రూ.79.20 కోట్లు మంజూరుకు అనుమతి లభించింది. ఇందులో రూ. 47.52 కోట్లు కేంద్ర ప్రభుత్వ గ్రాంటు లభిస్తుంది.
37. విద్యుత్ చట్టం, 2003 కు లోబడి వివిధ ప్రభుత్వ ఉత్తర్వులలో ప్రకటించిన విధముగా ఆయా రంగాల వినియోగదారులకు సబ్సిడీ విద్యుత్ ను అందించడానికి గాను, అవసరమైన నిధులు సమకూర్చడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.
38. దేశంలోనే, అతి తక్కువ సరఫరా & పంపిణీ నష్టాలు గల విద్యుత్ సంస్థలలో రాష్ట్ర డిస్కామ్ లు కూడా ఉన్నవి . అయినప్పటికీ 87,524 కోట్ల పైబడి అప్పులు, 29,546 కోట్ల పైబడి నష్టాలు మరియు ఇతర సవాళ్లతోనూ, రాష్ట్ర విద్యుత్ సంస్థలు సతమతమవుతున్నాయి. ఈ వ్యత్యాసాన్ని పూడ్చడానికి, రాష్ట్ర ప్రభుత్వం విద్యుత్ సంస్థలకు పూర్తిగా తోడ్పాటునందిస్తుంది.

CHAPTER - III

SALES, LOSSES, AND POWER PURCHASE REQUIREMENT

Introduction

39. In this Chapter, the Commission has examined the sales projections, network losses, and the power purchase requirement estimated by the DISCOMS in their respective ARR & FPT filings for FY2024-25. The Commission has, while examining the same, reckoned/considered all the views/objections/suggestions expressed by the stakeholders in writing and during the public hearings to the extent they are relevant to the subject matter. Accordingly, the Commission has finalised the sales and power purchase requirement for the three DISCOMS as detailed hereunder:

DISCOMS' Filings:

The methodology followed by the DISCOMS

40. As a prelude to the estimation of Power Purchase Cost for the tariff year FY 2024-25, the DISCOMS have computed the power purchase requirement in the following manner;

- Forecasted the sales for different consumer categories separately for the FY2024-25,
- Aggregated the forecasted sales at different voltage levels, i.e., at LT, HT-11kV, HT-33 kV and HT-132kV, and above,
- Grossed up the forecasted sales with the applicable network losses at each voltage level to arrive at the total power purchase requirement for the whole year.

Sales Forecast followed by DISCOMS

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

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

43. The DISCOMS have stated that in so far as the LT Agriculture Consumption is concerned, the GoAP has decided to implement a Direct Benefit Transfer (DBT) scheme for farmers under the free power category. As enshrined in the DBT scheme

for agricultural consumers, all the LT Agricultural consumers will be provided with meters for measurement of consumption which is a prerequisite for facilitating DBT. That the agriculture consumption which was hitherto being estimated based on metering at sampled Distribution Transformers (DTRs) will be measured with meters in similar lines as in the case of other consumers as and when metering is completed.

44. The DISCOMS stated that while projecting the agriculture consumption based on sampled DTR meter data for the financial year FY2024-25. the GoAP policy of extending 9 hours of supply in a day to the agriculture sector and the proposed release of new connections for the next year have been taken into account. The consumption from solar pump sets has been excluded for arriving at the final estimates of consumption for the agricultural sector under LT. APEPDCL has stated that in compliance with the directive of GO.Ms. No.22 of Govt of Andhra Pradesh, it has provided IrDA meters to all agricultural services in Srikakulam circle. Hence, the monthly agricultural consumption for the free power category is being arrived at based on actual recorded meter consumption through IrDA Scanners. In respect of other circles, as the metering of the agriculture consumers is still in progress, the estimation of sales for free power agriculture consumers is based on sampled meters provided to DTRs. APSPDCL and APCPDCL have stated that they estimated the sales for free power agriculture consumers based on sampled meters provided to DTRs. Regarding the lift irrigation schemes under HT supply, the estimations are based on actuals during the previous years and as per the data furnished by the water resources department, GoAP.
45. APCPDCL stated that sales for Railway traction are projected considering the additional loads to be released during FY2024-25.
46. APEPDCL stated that the RESCOs' consumption category-wise has been included in the projections of the corresponding categories of the consumers as the RESCOs have not been licensed or exempted to carry on the supply activity in its licensed area of supply, whereas the RESCOs' consumption has been shown separately by APSPDCL as RESCO in its area of supply has not yet handed over the management to it.
47. The DISCOMs have further stated that numerous factors affect the actual consumption which are often beyond their control such as the following:
 - Economic climate;
 - Weather conditions;
 - Government Policy, and
 - Force majeure events like natural disasters, etc.

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

48. Accordingly, the DISCOMS stated to have carried out sales forecasts based on the actuals from FY 2017-18 to FY2023-24 H1 based on time series data and using linear regression. As per the forecast methodology explained supra, the sales estimated category-wise for each DISCOM and the total for all three DISCOMS for FY2024-25 are shown in the tables below:

Table 6: Sales (MU) projected by DISCOMs for FY 2024-25

LT-Supply		SPDCL	CPDCL	EPDCL	Total for three DISCOMS
I	Domestic	5856.23	5918.76	7741.84	19516.83
II	Commercial & Other	1232.83	1198.68	1501.26	3932.77
III	Industry	573.42	496.12	494.59	1564.13
IV	Institutional	819.82	356.12	508.32	1684.26
V	Agricultural & Related	8110.28	3375.92	4767.55	16253.75
	i) Free power categories	7646.26	2243.84	2430.12	12320.22
	ii) Others	464.02	1132.08	2337.43	3933.53
LT-Total		16592.58	11345.60	15013.56	42951.74
HT-Supply					
I	Domestic	16.88	19.71	34.87	71.46
II	Commercial & Other	520.19	562.54	1035.69	2118.42
III	Industry	8198.12	3286.41	12255.29	23739.82
IV	Institutional	1253.33	676.51	1167.64	3097.48
V	Agricultural & Related	1587.72	91.09	347.01	2025.82
	RESCO	517.93	0.00	0.00	517.93
HT-Total		12094.17	4636.26	14840.50	31570.93
Total		28686.75	15981.86	29854.06	74522.67

Views/Objections/Suggestions

49. Some objectors have stated that the DISCOMs have not shown the details of agriculture consumption under a free scheme fully supported by the GoAP.

DISCOMs' Response: The details are provided in the RSF Formats enclosed in the filing booklet submitted to the Commission.

Commission's analysis and decision on sales finalisation

To find the rationality in the sales forecasts made by the DISCOMS for each category for FY 2024-25, the Commission has examined the comparative statements viz., (i) projections for 2024-25 against estimated sales for FY 2023-24, (ii) estimated sales against approved sales for FY 2023-24 and, (iii) the total actual sales against approved sales from FY2018-19 to FY 2024-25, and (iv) estimation of consumption for free power category consumers who are unmetered, of each DISCOM and three DISCOMS put together, as detailed below:

50. **Projections for FY2024-25 against Estimated sales for FY 2023-24:** The comparative statement of projected sales for FY 2024-25 against estimated sales of FY 2023-24 for each DISCOM and three DISCOMS put together is shown in the tables below:

Table 7: Sales Volume Estimates for FY2023-24 and Projections for FY2024-25 (MU)

DISCOM	FY2023-24 Estimates	FY2024-25 Projections	Projections over Estimates (%)
APSPDCL	27552.60	28686.75	4.12%
APCPDCL	15074.99	15981.86	6.02%
APEPDCL	27864.33	29854.06	7.14%
TOTAL	70491.92	74522.67	5.72%

As can be seen from the table above, the projected sales are higher in the range from 4.12 per cent to 7.14 per cent of all DISCOMs, but three DISCOMS' projected sales together are 5.72 per cent higher than the estimates for FY2023-24.

51. **Estimated sales against approved sales for FY 2023-24:** The comparative statement of estimated sales against approved sales for FY 2023-24 for each DISCOM and three DISCOMS put together is shown in the tables below:

Table 8: Sales volume estimated against approved for FY 2023-24 (MU)

Sl.No.	DISCOMS	FY2023-24 Approved (as per TO)	FY2023-24 Estimates	(Estimates) over (Approved) (%)
1	SPDCL	25837.68	27552.60	6.64%
2	CPDCL	15060.04	15074.99	0.10%
3	EPDCL	26992.49	25344.21	-6.11%
4	TOTAL	67890.21	67971.80	0.63%

As can be seen from the table above, though there is more than a 5 per cent variation between approved sales and estimated sales for APSPDCL and APEPDCL in the current year, the variation is negligible for APCPDCL, and the variation of three DISCOMS together is also marginal.

52. **Actual sales versus approved sales:** The comparative statement of the total actual sales vis-a-vis the total approved sales from FY 2015-16 to FY 2023-24 for each DISCOM and three DISCOMS put together is shown in the tables below:

Table 9: Actual sales vs. approved sales from FY 2015-16 to FY 2023-24 (MU)

FY	APSPDCL			APCPDCL			APEPDCL			Three DISCOMS		
	Appr.	Act.	%	Appr.	Act.	%	Appr.	Act.	%	Appr.	Act.	%
2018-19	34922	34889	-0.09	-	-	-	19470	19668	1.02	54392	54557	0.30
2019-20	37167	35159	-5.40	-	-	-	21996	20777	-5.54	59162	55935	-5.45
2020-21	24146	21460	-11.12	14341	12715	-11.34	23332	20416	-12.50	61819	54592	-11.69
2021-22	24015	23173	-3.50	14392	14010	-2.65	22537	23130	2.63	60944	60313	-1.03
2022-23	25938	24614	-5.10	15227	13866	-8.93	24665	25344	2.75	65830	63825	-3.05
2023-24*	25838	27553	6.64	15060	15075	0.10	26992	27864	3.23	67890	70492	3.83

*Estimates

As could be seen from the above tables, variations of total actual sales against the approvals in percentage terms during the said 6 years range from (-) 11.12 to 6.64 for APSPDCL, (-) 11.34 to 0.10 for APCPDCL (only from FY2020-21) and (-)12.50 to 3.83 for APEPDCL, and whereas it ranges between (-) 11.69 and 0.30 for all the three DISCOMS put together. Despite the economic slowdown which commenced in FY2019-20 but continued in FY 2020-21 also due to the COVID-19 pandemic, the variation in sales between the actuals and approvals was maximum at (-) 12.50 % in the FY 2020-21 in respect of APEPDCL during the last 6 years. The variations in terms of percentage during the last 5 years (excluding pandemic year FY 2020-21) for all three DISCOMS put together are in the range of (-) 5.45 to 3.83. As submitted by DISCOMS, accurate point estimation of sales may not be possible due to several uncontrollable factors, whatever is the methodology adopted for the estimation. The accuracy of the estimates can be compared to the actuals at the end of the year only. From the above table, it could be seen that the total sales approved by the Commission for each DISCOM, and all three DISCOMS put together have reasonable accuracy during the last 6 years. The sales projected by DISCOMS on the base sales of FY2023-24 appear to be higher compared to the previous 5 years. The FY 2023-24 has witnessed an unprecedented heat wave due to the persistent El Nino effect and hence the actual sales have exceeded 3.83 per cent over the approvals. It may not happen

in FY2024-25 as per History. The El Nino effect can be seen expressly in the following analysis of consumption relating to the free power category of agriculture consumers.

53. **Consumption for free power category consumers:** The projection by the DISCOMs for FY 2024-25 is shown in the table below:

Table 10: Consumption for free power category consumers

Description	SPDCL	CPDCL	EPDCL	Total for the three DISCOMS
Agriculture Sales under the free power category (MU)	7646.26	2243.84	2430.12	12320.22

Table 11: The actual consumption of the free power category compared to approvals is from FY21 to FY23, estimated versus approval for FY2023-24 are shown in the following table.

Description	APSPDCL	APCPDCL	APEPDCL	Total for all the three DISCOMS	
FY2020-21	A) Approved Sales (MU)	7700.80	2127.96	2392.71	12221.47
	B) Actuals Sales (MU)	6663.00	1942.10	2266.57	10871.67
	Difference (B-A)	-1037.80	-185.86	-126.14	-1349.80
	Percentage over approvals	-13.48%	-8.73%	-5.27%	-11.04%
FY2021-22	A) Approved Sales (MU)	8078.48	2023.44	2618.17	12720.09
	B) Actuals Sales (MU)	6493.94	1880.06	2,213.00	10587.00
	Difference (B-A)	-1584.54	-143.38	-405.17	-2133.09
	Percentage over approvals	-19.61%	-7.09%	-15.48%	-16.77%
FY2022-23	(A)Approved Sales (MU) for FY 2022-23	7755.31	2078.85	2715.35	12549.51
	(B)Actual Sales (MU) for the FY2022-23	6381.86	1917.98	2023.75	10323.59
	Difference (B-A)	-1373.45	-160.87	-691.6	-2225.92
	Percentage overestimates	-17.71%	-7.74%	-25.47%	-17.74%
FY2023-24	(A)Approved Sales (MU) for FY 2023-24	5909.63	1962.76	2330.05	10202.44
	A) Estimated Sales (MU) for the FY2023-24	8048.59	2095.12	2314.40	12458.11
	Difference (B-A)	2138.96	132.36	-15.65	2255.67
	Percentage overestimates	36.19%	6.74%	-0.67%	22.11%

As could be seen from the table above, due to the El Nino effect, the agriculture sales projected for FY 2023-24 based on the first half-year have increased significantly over the approvals in contrast to the previous years.

54. Having examined the above, if the sales for FY 2023-24 are considered as a base for projection, it may lead to an overestimation of sales for FY 2024-25. Given the above, the Commission decides to approve the sales for FY 2024-25 for all categories based on the sales proposed to be approved for FY2024-25 (Business as Usual Scenario - BAU) in the Resource plan for the 5th Control Period (Order yet to be issued). While projecting the sales for FY 2024-25 in the Resource Plan, several aspects have been taken into account. Accordingly, the sales projected for each category of consumers approved for FY2024-25 for each DISCOM and the three DISCOMS put together are shown in the tables below.

Table 12: APSPDCL - Sales Volume Filed by the DISCOM and Approved by the Commission for the FY 2024-25 (MU)

Consumer Category		Filed by the Licensee	Approved by APERC	Variations over Filings
LT-Supply				
I	Domestic	5856.23	5837	-19.23
II	Commercial & Other	1232.83	1304	71.17
III	Industry	573.42	663.00	89.58
IV	Institutional	819.82	997	177.18
V	Agricultural & Related	8110.28	7432.00	-678.28
	i) Free power categories	7646.26	6967.98	-678.28
	ii) Others	464.02	464.02	0.00
LT-Total		16592.58	16233.00	-359.58
HT-Supply				
I	Domestic	16.88	18.00	1.12
II	Commercial & Other	520.19	569.00	48.81
III	Industry	8198.12	8656.00	457.88
IV	Institutional	1253.33	1372.00	118.67
V	Agricultural & Related	1587.72	828.00	-759.72
	RESCO	517.93	484.00	-33.93
HT-Total		12094.17	11927.00	-167.17
Total		28686.75	28160.00	-526.75

Table 13: APCPDCL - Sales Volume Filed by the DISCOM and Approved by the Commission for the FY2024-25 (MU)

Consumer Category		Filed by the Licensee	Approved by APERC	Variations over Filings
LT-Supply				
I	Domestic	5918.76	5784.00	-134.76
II	Commercial & Other	1198.68	1159.00	-39.68
III	Industry	496.12	505.00	8.88
IV	Institutional	356.12	342.00	-14.12
V	Agricultural & Related	3375.92	3276.00	-99.92
	i) Free power categories	2243.84	2143.92	-99.92
	ii) Others	1132.08	1132.08	0.00
LT-Total		11345.60	11066.00	-279.60
HT-Supply				
I	Domestic	19.71	15.00	-4.71
II	Commercial & Other	562.54	600.00	37.46
III	Industry	3286.41	2945.00	-341.41
IV	Institutional	676.51	643.00	-33.51
V	Agricultural & Related	91.09	80.00	-11.09
HT-Total		4636.26	4283.00	-353.26
Total		15981.86	15349.00	-632.86

Table 14: APEPDCL - Sales Volume Filed by the DISCOM and Approved by the Commission for the FY 2024-25 (MU)

Consumer Category		Filed by the	Approved by	Variations over
LT-Supply				
I	Domestic	7741.84	7662.00	-79.84
II	Commercial & Other	1501.26	1470.00	-31.26
III	Industry	494.59	496.00	1.41
IV	Institutional	508.32	485.00	-23.32
V	Agricultural & Related	4767.55	4525.00	-242.55
	i) Free power categories	2430.12	2187.57	-242.55
	ii) Others	2337.43	2337.43	0.00
LT-Total		15013.56	14638.00	-375.56
HT-Supply				
I	Domestic	34.87	37.00	2.13
II	Commercial & Other	1035.69	1071.00	35.31
III	Industry	12255.29	12392.00	136.71
IV	Institutional	1167.64	1316.00	148.36
V	Agricultural & Related	347.01	90.00	-257.01
HT-Total		14840.50	14906.00	65.50
Total		29854.06	29544.00	-310.06

Table 15: Total of three DISCOMS - Sales Volume Filed by the DISCOMS and Approved by the Commission for the FY2024-25 (MU)

Consumer Category		Filed by the DISCOMS	Approved by APERC	Variations over Filings
LT-Supply				
I	Domestic	19516.83	19283.00	-233.83
II	Commercial & Other	3932.77	3933.00	0.23
III	Industry	1564.13	1664.00	99.87
IV	Institutional	1684.26	1824.00	139.74
V	Agricultural & Related	16253.75	15233.00	-1020.75
	i) Free power categories	12320.22	11299.47	-1020.75
	ii) Others	3933.53	3933.53	0.00
LT-Total		42951.74	41937.00	-1014.74
HT-Supply				
I	Domestic	71.46	70.00	-1.46
II	Commercial & Other	2118.42	2240.00	121.58
III	Industry	23739.82	23993.00	253.18
IV	Institutional	3097.48	3331.00	233.52
V	Agricultural & Related	2025.82	998.00	-1027.82
	RESCO	517.93	484.00	-33.93
HT-Total		31570.93	31116.00	-454.93
Total		74522.67	73053.00	-1469.67

55. The sales projected by the DISCOMS vis a vis approved by the Commission in respect of free agricultural category consumers for FY 2024-25 are shown in the table below:

Table 16: Agricultural free power category Sales volume Projected Vs approved for FY2024-25 (MU)

Particulars	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
A) Projected Sales (MU) for the FY 2024-25	7646.26	2243.84	2430.12	12320.22
B) Sales approved (MU) for the FY 2024-25	6967.98	2143.92	2187.57	11299.47
Difference (A-B)	678.28	99.92	242.55	1020.75

In this regard, DISCOMS need to recognize that the sales volume to this consumer category shall be within the approved sales volume and in case the actual sales volume exceeds the approved quantity, the per unit financial loss would be very high as it is a 100% subsidized consumer category. **Therefore, the DISCOMS are directed "To be vigilant on sales volume to this consumer category (supplying only to genuine consumers and preventing any unauthorized and unaccounted pilferage or theft of energy in any manner).**

56. Further, it is pertinent to mention here that under the Electricity (Amendment) Rules, 2022, the Ministry of Power, GoI in its letter dated 03.07.2023 has communicated to the State Governments and DISCOMS the Standard Operating Procedure (SOP) on Subsidy Accounting and Payment. The SoP also stipulated the procedure for the measurement of energy supplied to subsidized consumers. In no case shall the assessment of energy be computed based on contracted load, per HP basis, flat tariff, lump sum or any other such parameter in respect of subsidised consumers to whom no metering is provided. Keeping in view the contentions of the stakeholders over the years on estimation of sales for the free power category, and MoP's SoP, the Commission instructed the APERC special officers located in Tirupati and Visakhapatnam to inspect randomly some high agricultural sections in their jurisdiction for verification of sales under the free power category based on the 11 kV feeder meter's data for FY 2022-23 and first seven months of FY 2023-24. They have inspected the same and reported the Commission huge variations between the sales data furnished to the Commission by DISCOMS and sales arrived at based on 11 kV feeder meters in some sections. They stated that inter alia exact mapping of services other than agriculture under the feeder is not done and this is one of the reasons for the huge variation in feeders. The DISCOMS stated that the smart meters installation is under progress for the free power category of the agricultural consumers and once that is done, the distribution losses can be estimated automatically without manual intervention based on meters provided to 11 kV feeders. After examining all aspects, to dispense with an estimation of sales for the free power category based on sample meters, **the Commission directs the DISCOMS to make available the feeder-wise agricultural sales under the free power category on their websites rectifying all the defects in this regard at feeder level. The DISCOMS shall follow the following formulae for computation of consumption of free power category at each feeder level.**

- **Dedicated feeders:**

Free Agricultural sales = (Total energy measured under the feeder) x (100-Normative applicable Losses approved by the Commission in percentage)/100

- **Mixed feeders:**

Free Agricultural sales = [Total Energy measured under the feeder - energy consumed by non-agl. Consumers/(100-Normative applicable Losses approved by the Commission in percentage)/100] x (100-Normative applicable Losses approved by the Commission in percentage)/100).

- **Agricultural services mapped on 11 kV 24-hour supply feeders:**

Free Agricultural sales = Actual meter consumption based on individual services

or

[Total energy measured under the feeder - energy consumed by non-agl. Consumers/(100-Normative applicable Losses approved by the Commission in percentage)/100] x (100-Normative applicable Losses approved by the Commission in percentage)/100) in case there is any problem with individual meters.

As per the above methodology, agricultural sales under the free power category for each feeder, and accordingly the section, sub-division, division, circle and company are to be displayed on their websites for each month of FY 2024-25 starting from June 2024. The automation of readings and computation of sales as per the above methodology may be worked out till smart meters are installed for all the services. Wherever the smart meters were provided 100 per cent for the entire feeder, the consumption of the free power category under the said feeder should be provided only based on smart meter readings.

Further, DISCOMS shall raise the subsidy as per the estimation of sales in this tariff order and at the end of the quarter, the subsidy shall be reconciled based on the actuals. The DISCOMS may follow the SoP issued by the MoP in this regard and report compliance.

Network Losses

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

The DISCOMS have applied the losses at different voltage levels as shown in the table below for arriving at the power purchase requirement for the FY 2024-25:

Table 17: Voltage-wise T&D losses (%) filed by the DISCOMS

S.No.	Network	SPDCL	CPDCL	EPDCL
1	Distribution – LT	3.19%	3.11%	3.34%
2	Distribution - 11 kV	3.30%	3.16%	3.39%
3	Distribution - 33 kV	5.08%	3.73%	3.42%
4	APTRANSCO including PGCIL	3.55%	3.55%	3.55%

Views/objections/suggestions

58. Sri. M. Venugopala Rao, Dr.M. Thimma Reddy & Others have stated that the distribution losses, excluding EHT losses approved by the Commission for the year 2023-24, the DISCOMS have projected a higher level of losses for the year 2024-25. It implies that the DISCOMS could not achieve the distribution loss trajectory approved by the Commission for the year 2023-24. Despite substantial investments being made and steps for reduction of distribution losses claimed to have been taken and proposed to be taken by the DISCOMS, the losses have not come down. There should be accountability on their part to achieve the targets fixed by the Commission.

The FAPCCI stated that the Loss levels projected by the DISCOMS seem unrealistic. The loss trajectory must be approved on a continuous improvement profile in a manner that indicates gradual improvement in the loss trajectory compared to the preceding year's approved loss levels.

Sri Vijayagopal Reddy stated that SPDCL showed higher losses for FY 2024-25 than achieved in the current year. Despite large investments being made in strengthening transmission & distribution networks, DISCOMS are reporting higher losses.

DISCOMS' Response: Due to a delay in rains during FY 2023-24, the Agriculture consumption in 1st Half of FY 2023-24, increased significantly compared to the previous year for the same period. As a result, input contribution towards LT & HT metered sales was reduced and distribution loss slightly increased. Based on the H1 actual losses of the current year and H2 losses of the previous year, an estimate arrived at for FY 2023-24 and projections for FY 2024-25 are made accordingly. Further, improvement/system strengthening works under the RDSS scheme and fixing of smart metres to agricultural services are under progress. Hence, without manual intervention/assessment, actual losses can be arrived at in future.

The Commission's analysis and decision:

59. The losses depend on several factors such as network configuration and consumption levels at different voltage levels. The investments are being made to improve reliability, meet standards of performance, feeder segregation, and cater to future demands etc apart from reducing distribution losses. Hence, all the investments cannot be linked to loss reduction directly. After examination of actual losses and investments proposed to be spent during the 5th control period, the Commission has finalised the loss trajectory in the Resource plan (Order is yet to be issued) in each year for the 5th control period. Hence, the Commission proposes to adopt the same for FY 2024-25 in this order, the first year of the 5th control period. Accordingly, transmission and distribution loss percentages for FY2024-25 approved by the Commission for each DISCOM are shown in the table below:

Table 18: Voltage wise Losses approved by the Commission for FY2024-25

S. No.	Network	SPDCL	CPDCL	EPDCL
1	Distribution – LT	2.99%	2.99%	2.74%
2	Distribution - 11 kV	3.06%	3.06%	3.39%
3	Distribution - 33 kV	4.13%	3.73%	3.42%
4	APTRANSCO including PGCIL	3.55%	3.55%	3.55%

As regards the accountability of the DISCOMS for losses pointed out by some objectors, it may be noted that the DISCOMS are designated consumers as per the Energy Conservation Act 2001 and if their loss exceeds the norms specified as per the Act, they shall bear the necessary penalties. Also, it may be noted that the Commission is allowing only normative losses approved by it in estimations of power purchase requirement while grossing up sales, as well as in True ups/downs if their actual losses are higher than normative.

60. The percentage of network losses as filed by the DISCOMS and that approved by the Commission for FY2024-25 are shown in the table below:

Table 19: Network losses projected Vs approved for FY2024-25

S. No.	Network	SPDCL		CPDCL		EPDCL	
		Filed	Apprvd	Filed	Apprvd	Filed	Apprvd
1	Distribution – LT	3.19%	2.99%	3.11%	2.99%	3.34%	2.74%
2	Distribution – 11 kV	3.30%	3.06%	3.16%	3.06%	3.39%	3.39%
3	Distribution – 33 kV	5.08%	4.13%	3.73%	3.73%	3.42%	3.42%
4	APTRANSCO including PGCIL	3.55%	3.55%	3.55%	3.55%	3.55%	3.55%

Power Purchase Requirement

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

Table 20: Power Purchase Requirement estimates by the DISCOMS for FY2024-25

S. No.	DISCOMS	Sales (MU)	Losses (MU)	Power purchase requirement (MU)	T&D loss
(a)	(b)	I	(d)	I=I+(d)	(f)=[1-I/I]*100
1	SPDCL	28686.75	3480.25	32167.00	10.82%
2	CPDCL	15981.86	2023.62	18005.48	11.24%
3	EPDCL	29854.06	3091.59	32945.65	9.38%
4	Total	74522.67	8595.46	83118.13	10.34%

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

Table 21: Power Purchase Requirement approved by the Commission for FY2024-25

S. No.	DISCOMS	Sales (MU)	Losses (MU)	Power purchase requirement (MU)	T&D losses
(a)	(b)	I	(d)	I=I+(d)	(f)=1-I/I*100
1	SPDCL	28160.08	3134.11	31294.19	10.01%
2	CPDCL	15349.88	1932.52	17282.40	11.18%
3	EPDCL	29543.90	2904.73	32448.63	8.95%
4	Total	73053.86	7971.36	81025.22	9.84%

63. The Commission estimated the power purchase requirement at **81025.22 MU** based on the approved sales of **73053.86 MU** for the FY 2024-25 after factoring the approved losses as detailed above for three DISCOMS together. The power purchase requirement arrived at in the above manner is lesser by about **2093 MU** compared to the power purchase requirement of **83118.13 MU** as filed by the three DISCOMS on sales of **74522.67 MU**. The details of the power purchase requirements filed by DISCOMS and that estimated by the Commission, for each DISCOM and three DISCOMS together are shown in the tables below:

Table 22: Filed and Approved Power Purchase Requirements for the FY2024-25

S. No.	DISCOM	Sales (MU)		Losses (MU)		Power purchase requirement (MU)		T&D loss (%)	
		Filed	App.	Filed	App.	Filed	App.	Filed	App.
1	SPDCL	28686.75	28160.08	3480.25	3134.11	32167.00	31294.19	10.82%	10.01%
2	CPDCL	15981.86	15349.88	2023.62	1932.52	18005.48	17282.40	11.75%	11.18%
3	EPDCL	29854.06	29543.90	3091.59	2904.73	32945.65	32448.63	9.38%	8.95%
4	Total	74522.67	73053.86	8595.46	7971.36	83118.13	81025.22	10.34%	9.84%

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

Table 23: Power Purchase Requirement for FY2024-25 as per Filing Power Purchase (in MU), Voltage Wise sales (in MU) and Voltage Wise Loss (%)

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APSPDCL	L.T.	5.08%	L.T.	16592.58	17480.95	18076.58	18671.26	19358.48
	11kV	3.30%	11kV	2312.02	-	2390.80	2469.45	2560.35
	33kV	3.19%	33kV	3107.04	-	-	3209.26	3327.38
	132kV	3.55%	132kV	6675.11	-	-	-	6920.79
				28686.75	17480.95	20467.38	24349.97	32167.00
Loss up to said voltage					5.08%	7.64%	9.60%	10.82%
D. Loss(MU)						2338.32		
T. Loss(MU) including PGCIL Loss						1141.93		
Total Loss(MU) & % Loss including PGCIL							3480.25	10.82%
Total Power Purchase Requirement (MU)							32167.00	
DISCOM	Voltage	Loss	Voltage	Sales	LT	11Kv	33kV	132kV
APCPDCL	L.T.	3.73%	L.T.	11345.59	11784.63	12169.67	12560.30	13022.60
	11kV	3.16%	11kV	1713.32	-	1769.30	1826.09	1893.31
	33kV	3.11%	33kV	1774.17	-	-	1831.12	1898.52
	132kV	3.55%	132kV	1148.77	-	-	-	1191.06
TOTAL				15981.86	11784.63	13938.97	16217.51	18005.48
Loss up to said voltage					3.73%	6.31%	8.54%	11.24%

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
						D. Loss(MU)	1384.42	
						T. Loss(MU) including PGCIL Loss	639.19	
			Total Loss(MU) & % Loss including PGCIL			2023.62	11.24%	
			Total Power Purchase Requirement (MU)			18005.48		
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APEPDCL	L.T.	3.42%	L.T.	15013.56	15545.21	16090.68	16646.68	17259.39
	11kV	3.39%	11kV	2586.17	-	2676.92	2769.42	2871.35
	33kV	3.34%	33kV	3057.69	-	-	3163.34	3279.77
	132kV	3.55%	132kV	9196.65	-	-	-	9535.14
			TOTAL	29854.06	15545.21	18767.60	22579.44	32945.65
			Loss up to said voltage		3.42%	6.22%	8.51%	9.38%
						D. Loss(MU)	1922.02	
						T. Loss(MU) including PGCIL Loss	1169.57	
			Total Loss(MU) & % Loss including PGCIL			3091.59	9.38%	
			Total Power Purchase Requirement (MU)			32945.65		
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
All DISCOMs	L.T.	4.15%	L.T.	42952	44810.79	46336.93	47878.23	49640.47
	11kV	3.30%	11kV	6611.52	-	6837.02	7064.96	7325.00
	33kV	3.23%	33kV	7938.90	-	-	8203.72	8505.67
	132kV	3.55%	132kV	17020.53	-	-	-	17647.00
			TOTAL	74522.67	44810.79	53173.95	63146.91	83118.13
			Loss up to said voltage		4.15%	6.79%	8.94%	10.34%
						D. Loss(MU)	5644.77	
						T. Loss(MU) including PGCIL Loss	2950.69	
			Total Loss(MU) & % Loss including PGCIL			8595.46	10.34%	
			Total Power Purchase Requirement (MU)			83118.13		

**Table 24: Power Purchase Requirement for the FY2024-25 approved by APERC
Power Purchase (in MU), Voltage Wise sales (in MU) and Voltage Wise Loss (%)**

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV	
APSPDCL	L.T.	4.13%	L.T.	16233.00	16932.30	17466.79	18005.14	18667.85	
	11kV	3.06%	11kV	2432.66	-	2509.45	2586.79	2682.01	
	33kV	2.99%	33kV	3143.58	-	-	3240.47	3359.74	
	132kV	3.55%	132kV	6350.84	-	-	-	6584.59	
				28160.08	16932.30	19976.24	23832.41	31294.19	
				Loss up to said voltage	4.13%	6.56%	8.49%	10.01%	
						D. Loss(MU)	2023.17		
						T. Loss(MU) including PGCIL Loss	1110.94		
				Total Loss(MU) & % Loss including PGCIL			3134.11	10.01%	
				Total Power Purchase Requirement (MU)			31294.19		
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV	
APCPDCL	L.T.	3.73%	L.T.	11066.44	11495.21	11858.07	12223.55	12673.46	
	11kV	3.06%	11kV	1737.11	-	1791.94	1847.17	1915.16	
	33kV	2.99%	33kV	1681.09	-	-	1732.90	1796.69	
	132kV	3.55%	132kV	865.24	-	-	-	897.09	
				TOTAL	15349.88	11495.21	13650.01	15803.63	17282.40
				Loss up to said voltage	3.73%	6.20%	8.35%	11.18%	
						D. Loss(MU)	1318.99		
						T. Loss(MU) including PGCIL Loss	613.53		
				Total Loss(MU) & % Loss including PGCIL			1932.52	11.18%	
				Total Power Purchase Requirement (MU)			17282.40		
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV	
APEPDCL	L.T.	3.42%	L.T.	14638.25	15156.61	15688.44	16130.42	16724.12	
	11kV	3.39%	11kV	2704.67	-	2799.58	2878.45	2984.39	
	33kV	2.74%	33kV	3083.32	-	-	3170.18	3286.87	
	132kV	3.55%	132kV	9117.66	-	-	-	9453.25	
				TOTAL	29543.90	15156.61	18488.02	22179.05	32448.63
				Loss up to said voltage	3.42%	6.19%	7.90%	8.95%	

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
						D. Loss(MU)	1752.81	
						T. Loss(MU) including PGCIL Loss	1151.93	
			Total Loss(MU) & % Loss including PGCIL			2904.73	8.95%	
			Total Power Purchase Requirement (MU)			32448.63		
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
All DISCOMs	L.T.	3.78%	L.T.	41938	43584.12	45013.30	46359.11	48065.43
	11kV	3.19%	11kV	6874.44	-	7100.97	7312.41	7581.56
	33kV	2.89%	33kV	7907.99	-	-	8143.56	8443.29
	132kV	3.55%	132kV	16333.74	-	-	-	16934.94
			TOTAL	73053.86	43584.12	52114.27	61815.08	81025.22
			Loss up to said voltage		3.78%	6.34%	8.24%	9.84%
						D. Loss(MU)	5094.96	
						T. Loss(MU) including PGCIL Loss	2876.40	
			Total Loss(MU) & % Loss including PGCIL			7971.36	9.84%	
			Total Power Purchase Requirement (MU)			81025.22		

CHAPTER – IV
POWER PURCHASE COSTS

65. In this Chapter, the Commission proposes to determine the power purchase costs for each DISCOM for FY 2024-25 based on the power purchase requirement approved in Chapter III while keeping in view the stakeholders' views/objections/suggestions and all other related aspects as detailed hereunder:

Important submissions of APDISCOMs:

66. The important submissions of the DISCOMS on sources of power/contracted capacities, energy availability, despatch and power purchase costs are detailed in the following paragraphs.

A. Introduction

- a) The three AP DISCOMs viz. APCPDCL, APEPDCL & APSPDCL carry out the power procurement activity together to leverage the economies of scale and optimise the procurement costs.
- b) The share of capacities among the APDISCOMs in common PPAs as per GO Ms No 13 dated 6th April 2020 of GoAP are shown in the table below.

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

- c) The above ratios prevailed till the end of financial year FY 2022-23 and the APDISCOMs have shared the power procurement quantum & costs in the above ratios among the DISCOMs with due D<>D settlement mechanism to take care of DISCOM drawal/requirement variations to the allocated generation.
- d) As per Regulation 2 of 2023 of APERC, the actual PP cost shall be shared in the ratio of actual power drawn by each licensee at the end of each month to not have much variance in the FPPCA of each Licensee. This naturally obviates the need for D-D energy & cost settlement as the energy generation/procurement is allocated to DISCOMs in the exact quantum of requirement, the same is being followed from the second half of the current financial year.

- e) GoAP has designated the APCPDCL as the lead procurer on behalf of the APDISCOMs vide letter dated 29.06.2022. Accordingly, the power procurement activity is being carried out in the name of APCPDCL.

B. Contracted Capacities.

The details of capacities being contracted/ availed by APDISCOMs from various sources broadly as of 30th September 2023 are shown in the following table.

SOURCE	Installed/ Contracted CAPACITY(MW)	APDISCOMs SHARE(%)	APDISCOMs CONTRACTED CAPACITY(MW)
APGENCO- THERMAL	3410.00	100%	3410.00
APGENCO-HYDEL	1773.60	100%	1773.60
JOINT SECTOR	2616.82	94%	2456.82
CGS-Allocated Capacity to the State	2024.17	100%	2024.17
IPPs-Coal	1895.55	100%	1895.55
IPPs-Gas	1498	46.11%	690.73
NCE/RE	7605.44	100%	7605.44
TOTAL	20,823.58		19,856.31

- AP Genco Thermal includes VTPS & RTPP Stations.
- Joint Sector includes AP Power Development Corporation (APPDCL) & GGPP. APDISCOMs have a 90% share in Stage I and a 100% share in Stage II. DISCOM's own Godavari Gas Power Project (GGPP) of 217 MW.
- CGS include the thermal component of JNNSM Phase-I bundled power.
- IPPs-Coal includes 230.55 MW from Sembcorp-Plant-I, 625 MW from Sembcorp-Plant II at Krishnapatnam and HNPCL 1040 MW capacity at Visakhapatnam.
- IPPs-Gas include the four-stranded Gas projects for want of natural gas viz. GMR, Konaseema, GVK Gowthami and GVK-Stage-II.
- NCE includes Wind, Solar, Bagasse, Biomass, Mini-Hydel and other projects.

C. Plant-wise details of Contracted capacities

a) AP GENCO STATIONS:

Composite PPA with AP Genco covers VTPS- I, II, II, RTPP-I and all Hydro Stations including inter-state hydro stations except Nagarjunasagar tail pond.

The existing composite PPA is expiring on 31st March 2024. To continue the power procurement from these old stations, the PPA is getting extended and accordingly, procurement is factored. The stations not covered in composite PPA have separate PPAs.

The capacity, station wise is shown in the table below.

Thermal Station	Installed Capacity(MW)
Dr. NTPPS-I, II, III(6 x 210 MW)	1260
Dr. NTPPS-IV(1 x 500MW)	500
RTPP-I(2 x 210 MW)	420
RTPP-II(2 x 210 MW)	420
RTPP- III (1 x 210 MW)	210
RTPP- IV(1x 600MW)	600
Total Thermal	3410
Hydel	
Donkarayi Canal PH (1 x 25MW)	25
Upper Sileru HES (4 x 60MW)	240
Lower Sileru HES (4 x 115 MW)	460
Srisaillam Right Bank PH (7 x 110 MW)	770
NagarjunaSagar right canal PH (3x30MW)	90
PABR (2 x 10 MW)	20
Mini Hydel Station (2 x 0.5MW)	1
NagarjunaSagar Tail Pond PH (2 x 25MW)	50
Interstate Hydel Projects	
Machkund, Orissa (AP share 70%)	60
T.B. Station, Karnataka (AP share 80%)	57.6
Total Hydel including Interstate Projects	1773.6
Total APGENCO	5207.6

b) CENTRAL GENERATING STATIONS

The list of the CGS along with the APDISCOMs' share of power from these Stations (as of 30th September 2023) are indicated in the following table.

Sl.No	Station	Capacity Share- State (MW)
1	NTPC-(SR) Ramagundam I & II	300.13
2	NTPC-(SR) Ramagundam- III	75.25
3	NTPC-Talcher-II	184.96
4	NTPC Simhadri Stage-I	461.10
5	NTPC Simhadri Stage-II	222.37
6	NLC TS II Stage-I	46.88
7	NLC TS II Stage-II	85.83
8	NPC-MAPS	18.16
9	NPC-Kaiga 1,2,3 & 4	114.45
10	Vallur (JV) NTPC with TANGEDCO	86.44
11	NLC-NTPL Tuticorin	121.61
12	NTPC-Kudigi	239.54
13	NTPC JNNSM Phase I	39.27
14	NLC-NNTPS	52.71
15	NPC-KKNPP-Unit-I	1.78
16	NLC-TPS-I Expansion	2.24
17	NLC-TPS-I Expansion	2.67
18	NTPC_Telangana-STPP-Unit I	8.05
	Total CGS	2024.17

i) PPAs pertaining to NTPC Kudgi, NTECL Vallur, NTPL-Tuticorin & NNTPS-Nyveli.

Vide the Common Order dated 30.10.2023 in OP Nos 34 to 44 of 2023, APERC has granted consent to 7 PPAs and was not inclined to grant consent to the four PPAs of NTPC Kudgi, NTECL Vallur, NTPL-Tuticorin & NNTPS-Nyveli.

The total per unit cost of these four stations at a normative fixed cost is shown in the table below as of October 2023.

CGS-PLANT	Capacity (MW)	FC-Normative (Rs/Unit)	VC-(Rs/Unit) October 2023	Total Per Unit Cost (Rs/Unit)
NNTPS	52.7	1.799	2.581	4.380
NTPL	121.61	1.549	3.458	5.007
NTECL, Vallur	86.44	1.702	4.198	5.900
NTPC, Kudigi	239.54	1.664	4.875	6.539

The total per unit cost is contingent on off taking power from the above stations at normative level. If dispatch from the plant is less than the availability in any month, since the monthly fixed cost is spread on lesser units of dispatch, the

total cost would be higher. These are the base load thermal stations with an aggregate capacity of 500 MW. As of now, there is no anticipated thermal generation capacity expansion plan in the State sector. Even if it is planned now, in the prevailing circumstances, it takes almost seven to eight years to fully commission a thermal generating station. As per the resource plan for the 5th& 6th control periods (FY 2024-34) submitted by the APDISCOMs, the base load (minimum load) on the grid which is presently hovering around 5800 MW is expected to increase at a CAGR of 6% and may reach 7700 MW in five years. Because of the unprecedented weather events that prevailed during this year, short-term power rates remained in a higher band with peak demand rates sustained at a ceiling level of Rs.10.0 per unit. During peak demand periods, the bid realization is only 20% to 30% of the bid quantity at the ceiling price. The weighted average market purchases for the current financial year is around Rs 7.86 per unit. The per unit cost of procurement from these four stations is observed to be lesser than the weighted average market price. It is noted that the power demand-supply situation across the Country in the near future is expected to be bleak and the short-term market prices would remain at the ceiling limit. The DISCOMs are evaluating whether losing this vital thermal capacity at this juncture would jeopardize the energy security of the consumers in the State because of the anticipated shortage situation in the next summer season and further thereon. That APSLDC/ APDISCOMs believe that the existing base generation capacity from Intra State & Central generating stations without these four CGS stations aggregating to about 500 MW, will not be sufficient to meet the minimum load persistent on the system for all time blocks in a year with a stringent requirement to comply to the Hon'ble CERC Regulations such as IEGC, DSM & Ancillary Services. Demand /Supply conditions across the Country and Coal constraints & logistics problems anticipated in the near future may leave the power planning of DISCOMs in a stressed condition and fulfilment of the objective of the 24X7 power supply in question. That with due respect and regard to the decision of the Commission in the matter of declining consent to these four CGS PPAs, and because of the points mentioned before, the APDISCOMs are seeking the advice of the Central Electricity Authority (CEA) which is the highest technical body in the Country in terms of Electricity Planning and policy matters on the issue of surrendering of above 500 MW CGS capacity. That APDISCOMs are also writing to MoP to allocate an equivalent quantum of power from cheaper sources to make good the loss of base generation quantum.

Stating the above, the DISCOMS requested the Commission to permit the DISCOMs to continue the procurement of power from these four generation sources as per the existing PPAs and the rates determined by the Hon'ble

CERC, till such time CEA advice is received or allocation from cheaper sources is made by MoP.

ii) MoP allocation of Power from certain unallocated quota of SR Pool:

Following the revised policy of re-distribution of unallocated quota of Central Generating Stations (CGS) in the Southern Region Pool, the MoP & SRPC have communicated the allocation of a quantum of 14.74 MW from four different existing CGS stations, with whom APDISCOMs didn't have PPAs. APDISCOMs didn't seek any allocation from the three projects but sought firm allocation from the NTPC-Telangana Project. Consequent to the allocation of infirm quota from these generators, they are pressing to enter into PPAs and provide for payment security mechanism. This is the unrequested CGS allocation from the unallocated pool. During the SRPC Commercial Sub Committee meeting held on 03.11.2023, APDISCOMs requested SRPC to share the relevant orders/guidelines from CEA/MoP, GoI about the methodology for procurement/relinquishment guidelines of unallocated power and PPA/LC conditions thereof. They stated that this is as per the policy and the States are required to offtake power as per allocation and if they wish to surrender the infirm quota power from certain plants in the pool, they may lose unallocated quota shares from all generating stations.

c) JOINT SECTOR PROJECTS

i. SDSTPS-Stage-I 2X800 MW

Andhra Pradesh Power Development Corporation (APPDCL) is owning & operating Sri.Damodaram Sanjeevaiah Super Thermal Power Station Stage-I (SDSTPS-Stage-I) with a capacity of 2X800 MW at Krishnapatnam. APDISCOMs have a 90% share in the Installed capacity of the project as Contracted Capacity.

ii. SDSTPS-Stage-II 1X 800 MW

Andhra Pradesh Power Development Corporation (APPDCL) has developed 2nd stage at Krishnapatnam with a unit configuration of 1X800 MW. The plant achieved CoD on 10th March 2023. APDISCOMs have a 100% share in the Installed capacity of the project as Contracted Capacity.

iii. GGPP-216 MW

Earlier APDISCOMs had PPA with GVK-I plant. The PPA with GVK-I expired on 19.06.2015. Subsequently, APDISCOMs bought the power plant on 22.04.2016 and renamed it as GGPP. The plant capacity is 216 MW. The plant is being operated by the employees deputed from APGENCO.

The plant is supposed to be operated with concessional natural gas under administered pricing mechanism (APM). But the Ministry of Petroleum & Natural Gas GOI has diverted the entire APM Gas allocated to the Power sector

to other priority sectors like CGD & Fertilisers with effect from August 2022, and the GGPP Combined Cycle Gas-based project (208MW) in the occupation of APDISCOMs is stranded since then. After critically examining the power supply situation in the state in the near term, to garner additional Intra State capacity to meet the peak load requirement and to have better security of supply, DISCOMs sought the permission of the Commission to allow them to operate the GGPP Plant sourcing the Non-APM gas from IGX or GAIL through short-term ahead contracts. After a comprehensive review of the proposal, taking into account the current severe power shortage situation across the country, the prevailing market rates, and the challenge of securing power at required times during the ongoing fiscal year, the Commission approved the APDISCOMs' request to operate the GGPP using Non-APM gas sourced from IGX or GAIL through short-term ahead contracts until March 31, 2024.

d) INDEPENDENT POWER PRODUCERS (IPPs)-Thermal**i. Sembcorp Energy India Limited (Formerly Thermal Powertech Corporation India Limited):**

APDISCOMs and Telangana DISCOMs signed PPA with the company for a contracted capacity of 500 MW on a long-term basis through case-I bidding for 25 years w.e.f. 20.04.2015. APDISCOM's share of contracted capacity in the plant is 46.11% i.e., 230.55 MW out of the said total contracted capacity of 500 MW. The plant is connected to the CTU network in AP. As per the PPA, APDISCOMs are obligated to reimburse the applicable Long-Term Open Access (LTOA) charges to the generator.

ii. HNPCL:

Hinduja National Power Corporation (HNPCL) had set up a 1040 MW (2X520MW) Thermal Power Plant at Visakhapatnam. Consequent to the judgement of the Hon'ble Supreme Court on 2nd February 2022, as per the orders of APERC in OP. No. 21 of 2015 and OP.No.19 of 2016 on 01.08.2022, the APDISCOMs started procurement of power from the plant.

iii. Sembcorp-Plant-II:

APDISCOMs have entered a Power Supply Agreement (PSA) with Sembcorp Energy India Limited on 31.12.2021 for procurement of 625 MW (500 MW firm capacity & 125 MW Open Capacity) from their Plant-2 located at Krishnapatnam, in Andhra Pradesh. The procurement was finalised through a competitive bidding process under DBFOO mode and guidelines issued by MoP. The APERC issued consent to PSA entered between APDISCOMs and SEIL vide their order No. APERC Order in OP No. 17 of 2022 dated 01.06.2022. As per

the PSA, the commencement of the Power Supply Agreement is on or before two years i.e. 31.12.2023 from the date of the Power Supply Agreement. In August 2022, to overcome the expected power shortage, APDISCOMs requested the APERC to allow the purchase of power from SEIL through STOA through CTU to mitigate the impending power shortage situation and ensure 24X7 uninterrupted power supply to all consumers of the State in the near term until such time the STU evacuation scheme is commissioned. APERC vide order dated 12th August 2022, permitted APDISCOMs to procure power through CTU short-term open access from Sembcorp-P2, until the STU system is commissioned. Accordingly, the procurement of power commenced with effect from 1st February 2023.

iv. FOUR STRANDED GAS BASED IPPs

DISCOMs of erstwhile united AP State entered into long-term PPAs with GVK Extension (220 MW), GVPGL (GMR Vemagiri Power Generation Limited-370 MW), Gouthami CCPP(464 MW) and Konaseema Gas Power Limited(444.08 MW). These new IPPs were commissioned in the years 2006 (GVPGL), 2009 (GVK Extension, Gouthami CCPP) and 2010 (Konaseema Gas Power Limited). After the bifurcation of the AP State, APDISCOMs of the present AP State were allocated 46.11% of the share of capacity in these plants. The Natural gas supplies from RIL KG D-6 fields to the aforesaid IPPs became zero w.e.f. 01.03.2013. As a result, there is no generation from these plants. Further, there is no official communication from MoP&NG on the availability of natural gas to these plants. Therefore, APDISCOMs are not proposing to procure any power from these plants. Further, APDISCOMs are not presently paying any fixed charges to these plants. Hence, these plants are not included in the contracted capacity list.

e) RENEWABLE ENERGY PLANTS

The Capacity of different NCEs as per PPAs is shown in the table below.

TYPE OF NCE PROJECT	Capacity Contracted (MW)
Biomass power projects including Co-gen	63.50
Bagasse Co generation	61
Mini hydel power projects	28.55
Industrial waste based power projects	21.66
Municipal waste	36.15
Solar	2466.43
Wind	3638.95
JNNSM-Ph-I -Bundled Solar	39.20
JNNSM-Ph-II -Bundled Solar	1250
Total	7605.44

f) New Power Projects:**i. VTPS-Stage V -800 MW**

APDISCOMs have entered into an amended and restated power purchase agreement with APGENCO for procurement of 100% power from VTPS-Stage-V, 800 MW Capacity unit on 14/10/2022. The signed PPA has been submitted to the Commission for consent vide letter dated 13/01/2023. The plant is synchronized to the AP Grid and under final commissioning. The plant is expected to achieve a Commercial Operation Date by 1st January 2024 and accordingly considered in the Energy Availability.

ii. SECI-Solar Power- 3000 MW out of 7000 MW PSA:

Intending to supply free agricultural power to the farming community on a sustained basis and to reduce power procurement cost and subsidy burden on the Government, the Govt of AP and the three APDISCOMs in the state have entered into PSA with SECI on 01.12.2021 for procurement of 7000 MW (17000 MU) in three tranches effective from October 2024-3000 MW, October 2025-3000 MW and October 2026-1000 MW. The cost of procurement under this PSA is to be borne by the State Government. GoAP is also a party signatory in the PSA. The Solar power developers under the subject PSA are setting up the plants in the state of Rajasthan. The levelized tariff for the procurement is Rs 2.49 per Unit including Trading margin, for 25 years. The APERC has approved the procurement. The CERC has adopted the tariff discovered through the process of competitive bidding conducted by SECI which is a GoI undertaking. GoAP has established a separate company to channel this solar procurement to the free supply agriculture consumers through a separate entity called AP Rural Agriculture Power Limited (APRAPL) and the same is in the process of obtaining a license and fulfilling the other establishment activities. After the full operationalization of APRAPL, the aforesaid Power Sale Agreement will be transferred from APDISCOMs to APRAPL for the supply of power to the Agricultural consumers.

iii. Sembcorp-P1-625 MW.

Sembcorp-Plant-I with a Unit configuration of 2X660 MW aggregating to 1320 MW having a PPA with TSDISCOMs for a contracted capacity of 570 MW with 70% MCL coal linkage. The PPA is expiring on 31st March 2024. The Sembcorp is offering the same quantum to APDISCOMs. The present Tariff applicable to TSDISCOMs is (FC – 2.49 and VC – 3.24) Rs.5.73 per unit for September 2023. The Commission vide order dated 7th November 2023, permitted the DISCOMS to proceed with further steps on SEIL's proposal. However, this permission is contingent upon SEIL's acceptance that the tariff for the supply of 570/625 MW would be determined by APERC under Section

62 of the Electricity Act, 2003. Further, the DISCOMs were directed to coordinate with APTRANSCO to plan for an efficient and economical evacuation of power from SEIL through the state network. Accordingly, the plant is considered available from 1st April 2024 for the ensuing financial year. The present tariff applicable to Sembcorp-P2-625 MW is taken into account for the evaluation of costs tentatively till the Commission determines the tariff under Section 62.

D. ENERGY AVAILABILITY.

The DISCOMS stated that the energy availability of all thermal stations except CGS has been considered based on their past three-year performances stated to be in line with the methodology adopted by the Commission in the Retail Supply Tariff order for FY2023-24. The PLFs achieved for the past three years and that adopted for estimation of the Energy Availability for FY2024-25 are shown in the table below.

Table 25: Filings: Discom-Wise Energy Availability (MU) for FY 2024-25

Station name	Energy Generation Oct-20 to Sep-23-MU	Plant Load Factor (PLF%)	PLF % considered
Dr NTPPS	22052.66	73.19	80
Dr NTPPS IV	9317.18	76.66	80
Dr NTPPS-V	New Project		80
RTPP Stage-I	4655.50	46.35	55
RTPP Stage-II	5935.69	59.10	60
RTPP Stage-III	2839.65	56.54	60
RTPP Stage-IV	9927.19	66.80	65
APPDCL Stage-I	18728.35	47.64	55
APPDCL Stage-II	1399.85	37.73	55
HNPCL	7497.82	54.95	60
SEIL P1(625 MW)	New Project		90

In respect of CGS stations, the availabilities have been considered as provided by them with due annual overhaul / Nuclear Refuelling schedules. The Energy Availability from GGPP for FY 2024-25 is considered Nil. The availability of SEIL 230 MW capacity is considered 100%.

Accordingly, the energy availability estimated by each DISCOM and three DISCOMS together from different sources as described in earlier paragraphs for FY 2024-25 are shown in Annexures-04 and a summary of the same is given in the table below.

Table 26: Filings: Discom-Wise Energy Availability (MU) for FY 2024-25

Sl. No.	Source	DISCOMS TOTAL CAPACITY (MW)	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	APGENCO-Thermal	4,210	9,319	5,216	9,548	24,082
2	APGENCO- Hydel	1,656	1,116	617	1,136	2,870
3	Interstate- Hydel	118	172	96	176	443
4	APGENCO-TOTAL	5,984	10,607	5,928	10,859	27,395
5	CG Stations	2,044	5,689	3,182	5,825	14,697
6	NCE/RE plants	10,542	6,912	3,869	7,108	17,888
7	APPDCL Stage-I	1,440	2,768	1,550	2,840	7,157
8	APPDCL Stage-II	800	1,391	780	1,430	3,600
9	Godavari Gas Power Plant	217	0.00	0.00	0.00	0.00
10	SEIL P1 (230MW)	231	781	437	802	2,020
11	SEIL P1 (625MW)	625	1,905	1,067	1,956	4,928
12	SEIL P2 (500MW Firm)	500	1,628	908	1,664	4,200
13	SEIL P2 (125MW Open Cap)	125	407	227	416	1,050
14	HNPCL	1,040	1,992	1,115	2,045	5,152
15	Total	23,547	34,080	19,064	34,943	88,086

Short-Term Purchase Requirement: The DISCOMS stated that the APERC issued Regulation 1 of 2022 on 10th February 2022 regarding the Procurement / Sale of Power on a short-term basis by the Distribution Licensees. The Distribution Licensees are following and complying with the said Regulation while making the required short-term purchases. The Short Term purchases are necessitated when the declared availability of power from committed sources on a Day ahead/Real-time basis falls short of the Grid demand, to maintain uninterrupted power supply to the consumers. If there are known/scheduled outages of plants for more than a week resulting in a prolonged shortage of power availability, Weak ahead/Month ahead markets will also be tapped. The power is procured from the term ahead Short Term market through Exchanges or DEEP-E bidding portal. In the real-time operation of the Grid, the power availability has to be matched with the Grid Demand in real time to achieve Load-generation balance. In this exercise, on some occasions, there would be occasional surplus generating capacity which could have the potential to generate but backed down due to system

constraints. The system constraints could be one or the combination of the following:

- i. More RE generation which is Must-Run: Even during the day in Real-time Operations, thermal plants are to be backed down to accommodate the RE generation
- ii. Lower Grid demand during some parts of the Day.
- iii. Lesser Market Prices discourage the entities from selling available surplus.
- iv. Thermal Plants are given Reserve shutdown (RSD) based on prevailing lower grid demand conditions in monsoon seasons. In those cases, availability is deemed and the plant is not ready to generate.
- v. Sudden drop of Load due to changes in weather conditions during the day.
etc.

Further, DISCOMS stated that the Load dispatch is carried out on 15 minute Time block basis as per the existing Grid Code. There could be a surplus or deficit in every time block. Time block wise surplus or deficit are mutually exclusive. Incidence of Simultaneous surplus or deficit in a time block doesn't exist. The time block-wise transactions are aggregated for the month for billing purposes. When there is surplus power available, the same can be sold if the price in the market at that point of time would cover up the cost of generation of power with some margin. Otherwise, better not to generate and prefer backdown. In the instances of deficit power, the same needs to be procured at the prevailing market conditions. For a month, the aggregate surplus power cannot be availed to cover up the aggregate deficit. The APDISCOMs are constrained to purchase power at the prevailing market rates to ensure the 'Power for All' 24X7 policy of the Ministry of Power and GoAP. The DISCOMs are stated to have been making their best endeavours to contain the weighted average price of the procurement within the limits prescribed by the Commission.

E. Energy Dispatch:

Energy dispatch is carried out by the AP State Load dispatch centre duly treating the State as a control area unit instead of DISCOM to ensure optimization of power purchase cost, economic load dispatch and complying to Must Run status of RE generating plants as per the provisions of the act and regulations. If any shortage is observed in the Day ahead, Real Time or Weak ahead / Month ahead, the same is procured from the short-term market. Based on the availability from different sources and demand requirements, the energy despatch estimated by each DISCOM and three DISCOMS together from different sources are shown in Annexures-06 and a summary of the same is given in the table below.

Table 27: Filings: Discom-Wise Energy Despatch (MU) for FY 2024-25

Sl. No.	Source	DISCOMS TOTAL CAPACITY (MW)	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	APGENCO-Thermal	4,210	8,184	4,578	8,341	21,103
2	APGENCO- Hydel	1,656	1,116	617	1,136	2,870
3	Interstate- Hydel	118	172	96	176	443
4	APGENCO-TOTAL	5,984	9,473	5,291	9,652	24,416
5	CG Stations	2,044	5,033	2,824	5,160	13,016
6	NCE/RE plants	10,542	6,912	3,869	7,108	17,888
7	APPDCL Stage-I	1,440	2,768	1,550	2,840	7,157
8	APPDCL Stage-II	800	1,391	780	1,430	3,600
9	Godavari Gas Power Plant	217	0	0	0	0
10	SEIL P1 (230MW)	231	781	437	802	2,020
11	SEIL P1 (625MW)	625	1,905	1,067	1,956	4,928
12	SEIL P2 (500MW Firm)	500	1,628	908	1,664	4,200
13	SEIL P2 (125MW Open Cap)	125	124	72	126	321
14	HNPCL	1,040	1,992	1,115	2,045	5,152
15	Short Term Purchase		162	94	166	421
16	TOTAL	23,547	32,167	18,005	32,946	83,118

F. Key Assumptions taken by APDISCOMs for estimation of Power Purchase Cost:

- i. **APGENCO & APPDCL:** The VC rate in respect of all APGENCO Stations has increased by 5% over and above the approved VC rates in the RST Order for the FY 2023-24.
- ii. **HNPCL:** The VC rate of Rs 3.30 per unit is considered as per the generator claim for FY 2024-25.
- iii. **SEIL P1 (230.55MW):** The VC rate of Rs 2.56 per unit is considered based on the generator's claim for FY 2024-25. .
- iv. **SEIL P2 (500 MW+ 125 MW):** The VC rates in respect of SEIL P2 (500MW) & SEIL P2 (125MW) are considered as Rs 2.47 per kWh and Rs 4.40 per kWh respectively for FY 2024-25.
- v. **SEIL P1 (625 MW):** FC &VC are considered tentatively in line with the existing SEIL-P2 500 MW committed capacity. The tariff for this project will be considered as per the Commission determination.
- vi. **Central Generating Stations (CGS):** The VC rate for the CG Thermal Stations (Except Nuclear stations) is considered for FY 2024-25 based on the actual VC rates claimed by CGS stations for October 23. The following charges have to be paid to CGS other than FC &VC:
 - Incentive charges for energy scheduled above normative PLF% (peak and off-peak)
 - RSD compensation for station heat rate degradation

- Charges for tariff orders and other related orders filings and publication expenses
- Deferred tax liability
- Foreign Exchange Rate Variation (FERV) charges
- Wage revisions and interest on wage revisions(as and when claimed)
- Ash transportation charges and interest on ash charges(if any)
- Revision of VC rates due to revisions in station heat rate/secondary fuel consumptions.
- Revision of Fixed cost/Capacity charges due to tariff orders/true-up orders issued.
- SRLDC charges for that generator of AP share

If any claim is received on the above charges, the same will be examined thoroughly before admitting and will be claimed under FPPCA.

- vii. **NCE/RE Projects:** The rates as per the PPA are adopted as approved by the Commission.

- G. **Power Purchase Costs:** Accordingly, based on the energy despatch and assumption on costs as described above, the power purchase costs that were arrived at by each DISCOM and three DISCOMS together station/stage wise for FY 2024-25 are shown in the Annexures-08 and the summary of the same is given in the tables below.

Table 28: Filings: Power Purchase costs for FY 2024-25-DISCOMS Total

S. No.	Source	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	APGENCO-Thermal	21,103	4,139	7,429	11,567	1.96	3.52	5.48
2	APGENCO- Hydel	2,870	643	0	643	2.24	0.00	2.24
3	Interstate- Hydel	443	80	0	80	1.81	0.00	1.81
4	APGENCO-TOTAL	24,416	4,862	7,429	12,291	1.99	3.04	5.03
5	CG Stations	13,016	1,529	4,251	5,781	1.17	3.27	4.44
6	NCE/RE plants	17,888	13	7,484	7,496	0.01	4.18	4.19
7	APPDCL Stage-I	7,157	1,286	2,360	3,645	1.80	3.30	5.09
8	APPDCL Stage-II	3,600	1,000	1,187	2,188	2.78	3.30	6.08
9	Godavari Gas Power Plant	0	17	0	17			
10	SEIL P1 (230MW)	2,020	255	517	772	1.26	2.56	3.82
11	SEIL P1 (625MW)	4,928	832	1,217	2,049	1.69	2.47	4.16
12	SEIL P2 (500MW Firm)	4,200	665	1,037	1,703	1.58	2.47	4.05
13	SEIL P2 (125MW Open Cap)	321	185	141	326	5.76	4.40	10.16
14	HNPCL	5,152	736	1,700	2,436	1.43	3.30	4.73
15	Short Term Purchase	421	0	213	213	0.00	5.05	5.05
16	TOTAL	83,118	11,380	27,536	38,917	1.37	3.31	4.68

Table 29: Filings: Power Purchase costs for FY 2024-25-APSPDCL

S. No.	Source	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	APGENCO-Thermal	8,184	1,602	2,882	4,483	1.96	3.52	5.48
2	APGENCO- Hydel	1,116	249	0	249	2.23	0.00	2.23
3	Interstate- Hydel	172	31	0	31	1.80	0.00	1.80
4	APGENCO-TOTAL	9,473	1,882	2,882	4,763	1.99	3.04	5.03
5	CG Stations	5,033	592	1,643	2,235	1.18	3.26	4.44
6	NCE/RE plants	6,912	5	2,887	2,892	0.01	4.18	4.18
7	APPDCL Stage-I	2,768	498	912	1,410	1.80	3.30	5.10
8	APPDCL Stage-II	1,391	387	459	846	2.78	3.30	6.08
9	Godavari Gas Power Plant	0	7	0	7			
10	SEIL P1 (230MW)	781	99	200	299	1.26	2.56	3.82
11	SEIL P1 (625MW)	1,905	322	471	792	1.69	2.47	4.16
12	SEIL P2 (500MW Firm)	1,628	257	402	660	1.58	2.47	4.05
13	SEIL P2 (125MW Open Cap)	124	72	54	126	5.78	4.40	10.18
14	HNPCL	1,992	285	657	942	1.43	3.30	4.73
15	Short Term Purchase	162	0	84	84	0.00	5.16	5.16
16	TOTAL	32,167	4,404	10,651	15,055	1.37	3.31	4.68

Table 30: Filings: Power Purchase costs for FY 2024-25-APCPDCL

S. No.	Source	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	APGENCO-Thermal	4,578	897	1,612	2,508	1.96	3.52	5.48
2	APGENCO- Hydel	617	139	0	139	2.26	0.00	2.26
3	Interstate- Hydel	96	17	0	17	1.82	0.00	1.82
4	APGENCO-TOTAL	5,291	1,053	1,612	2,665	1.99	3.05	5.04
5	CG Stations	2,824	331	923	1,254	1.17	3.27	4.44
6	NCE/RE plants	3,869	3	1,622	1,624	0.01	4.19	4.20
7	APPDCL Stage-I	1,550	279	511	789	1.80	3.30	5.09
8	APPDCL Stage-II	780	217	257	474	2.78	3.30	6.08
9	Godavari Gas Power Plant	0	4	0	4			
10	SEIL P1 (230MW)	437	55	112	167	1.26	2.56	3.82
11	SEIL P1 (625MW)	1,067	180	264	444	1.69	2.47	4.16
12	SEIL P2 (500MW Firm)	908	144	224	368	1.59	2.47	4.06
13	SEIL P2 (125MW Open Cap)	72	40	31	72	5.59	4.40	9.99
14	HNPCL	1,115	159	368	528	1.43	3.30	4.73
15	Short Term Purchase	94	0	48	48	0.00	5.16	5.16
16	TOTAL	18,005	2,465	5,972	8,437	1.37	3.32	4.69

Table 31: Filings: Power Purchase costs for FY 2024-25 - APEPDCL

S. No.	Source	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	APGENCO-Thermal	8,341	1,640	2,935	4,576	1.97	3.52	5.49
2	APGENCO- Hydel	1,136	255	0	255	2.24	0.00	2.24
3	Interstate- Hydel	176	32	0	32	1.81	0.00	1.81
4	APGENCO-TOTAL	9,652	1,927	2,935	4,862	2.00	3.04	5.04
5	CG Stations	5,160	606	1,685	2,291	1.17	3.27	4.44
6	NCE/RE plants	7,108	5	2,975	2,980	0.01	4.19	4.19
7	APPDCL Stage-I	2,840	510	936	1,446	1.79	3.30	5.09
8	APPDCL Stage-II	1,430	397	471	868	2.77	3.30	6.07
9	Godavari Gas Power Plant	0	7	0	7			
10	SEIL P1 (230MW)	802	101	205	306	1.26	2.56	3.82
11	SEIL P1 (625MW)	1,956	330	483	813	1.69	2.47	4.16
12	SEIL P2 (500MW Firm)	1,664	264	411	675	1.58	2.47	4.05
13	SEIL P2 (125MW Open Cap)	126	73	55	129	5.83	4.40	10.23
14	HNPCL	2,045	292	675	967	1.43	3.30	4.73
15	Short Term Purchase	166	0	81	81	0.00	4.87	4.87
16	TOTAL	32,946	4,511	10,913	15,424	1.37	3.31	4.68

H. In addition to the above, the DISCOMS together has shown Rs. 101.50 crores towards payment of incentives and other costs to SEIPL showing the total cost of power purchase at Rs.39017.60 Crores for three DISCOMS.

Views/Objections/Suggestions

67. The main and relevant Views/Objections/Suggestions received from various stakeholders about estimations of power availability, despatch, and power purchase costs projected by DISCOMS, and the responses of the DISCOMS on the same are detailed in the following paragraphs.

a. Errors in estimation

Sri. M. Venugopal Rao stated that errors in the estimation of Energy availability and power purchase costs at the time of determination of tariffs will result in huge True-ups / FPPCA in the subsequent years. DISCOMS are underestimating the power purchase cost at the filing stage so that gap is lesser. Whereas when actual data arrives, the figures are more than approved and True Ups / FPPCA are

imposed. Realistic assessment of Demand and Supply sources is to be done and prudence in estimation is to be improved.

b. Sale of surplus power:

Sri. M. Venugopala Rao & Others have stated that against the projected surplus of 5389.55 MU for FY2024-25, the DISCOMs have not proposed any sale of power and its projected cost. Experience confirms that the DISCOMs have not been able to sell surplus power, which is invariably with the highest variable cost, over the years. On the contrary, they have projected the need for short-term purchases to the tune of 421.09 MU for 2024-25. Since the DISCOMs have not projected any sales of surplus power, by implication, they would back down the projected surplus and pay fixed charges therefor. Since the DISCOMs are not showing payment of fixed charges separately for the power to be backed down, it implies that they have factored the fixed charges to be paid for backing down in the fixed charges projected to be paid for the power purchase projected by them. This practice is objectionable.

DISCOMS' Response: After exhaustion of declared availability from all committed sources, if there is any shortfall to meet the Grid demand, the DISCOMs are resorting to short-term purchases as per Regulation 1 of 2022 issued by the APERC. Accordingly, APDISCOMs have projected short-term power requirements to the tune of 421.09 MU for FY2024-25 at a provisional rate of Rs.4.88 per kWh. The peculiar situation APDISCOMs face is that AP State is a surplus in terms of energy generation but not in terms of constant and reliable power generation to meet the required grid demand on an RTC basis. This is because of the larger penetration of RE-generation in the state, which results in wide variation in RE-generation patterns on day to day, season to season and even on time block to time block during a day. Hence, surplus power projected in the ARR has the potential to generate surplus power but the actual surplus depends on prevailing grid demand and supply conditions on real real-time basis. Keeping all these factors under consideration, APDISCOMs are resorting to the best possible efforts in selling surplus power on a Day-Ahead basis (GDAM & DAM), PuShP portal or in the Real-Time Market. While selling such surplus power in the market, APDISCOMs are considering all the financial implications due to the backing down of generating stations and the considerable realization of revenue on selling in the real-time market prices.

c. Arbitrary escalation of AP Genco Thermal - VC by 5%

FAPCCI has stated that the DISCOMS have projected the power procurement cost from AP Gencos by applying an escalation rate of 5% over the Variable Charge rate (VC) approved by the Commission for FY 2023-24. Applying escalation over the already inflated VC (as approved for FY 2023-24) has no merit for consideration.

Hence, the escalation of 5% is not warranted and therefore be not admitted for computing power procurement costs for FY 2024-25.

DISCOMS' Response: As ascertained from APGENCO, the APERC has determined variable costs of APGENCO stations with the 2019 coal Landed cost. However, the notified coal base price has been increased several times by the coal companies. Due to this, the landed cost of coal has been increased abnormally. FCA claims for FY 19 to FY23 were already filed before the Commission and also requested to revise the base rate of variable costs for FY 2023-24 with revised coal landed cost. Considering the above facts, pending the finalization of the variable cost of APGENCO stations by the Hon'ble Commission, a 5% enhancement is considered provisionally in ARR filings.

d. Coal stocks at AP Genco stations at Normative level.

APSEBAEES' Association has stated that the market procurements can be minimized by keeping the coal stocks at APGENCO generating stations as per norms by following the proper O&M practices at APGENCO Generating stations and by avoiding excess VRE integration.

Response of DISCOMs: The information furnished by APGENCO in this regard is mentioned below.

- i. APGENCO is continuously pursuing with MCL, SCCL and Railways for supplying and loading more no. of rakes to APGENCO plants for day-to-day needs and for building up stocks in all the stations.
- ii. To review coal supply and to look into the issues of critical power plants, a sub-group was constituted by the Infrastructure Constraints Review Committee for allotment of rakes to the power plants as per the production of coal at mines. During every sub-group meeting, APGENCO has been pursuing to increase the supply of rakes from MCL and SCCL to enhance the coal stocks at Dr NTTPS and RTPP.
- iii. The approval has been accorded by Hon'ble APERC to procure 7.5 lakh Tons of Imported coal. Accordingly, Tenders were floated for procurement of 5.0 Lakh Tons of imported coal to meet the ensuing summer peak demand and to build up required coal stocks.
- iv. In addition to the All Rail Route (ARR), with the approval of the Hon'ble Commission, Alternate measures for transportation of coal from MCL to Dr NTTPS through Rail-Sea-Rail (RSR) mode were also finalized (Talcher-

Paradeep Port-Kakinada Port - Dr NTPPS) to increase the coal stocks in view of the addition of 800 MW Dr NTPPS-Stage-V.

- v. APGENCO is making all the efforts to get the required coal quantities from MCL and SCCL and planning to procure imported coal to run the units at normative capacity.

e. **Adopted tariff of Sembcorp-P2-625 MW open capacity**

FAPCCI stated that in respect of procurement of power from Sembcorp-P2-625 MW, the tariff shall be applicable for the entire capacity of 625 MW as per Commission's Order. However, the DISCOMs have claimed charges differently for a firm capacity of 500 MW and an Open capacity of 125 MW. Escalation in VC has not been substantiated by DISCOMs.

DISCOMS' Response: Out of the Contracted capacity of 625 MW of approved PSA dated 31-12-2021, 500 MW is firm capacity with concessional/FSA coal and the remaining 125 MW is Open Capacity with Non-concessional /Imported coal. As 625 MW PSA dated 31-12-2021 is based on the DBFOO model, the computation of Fixed Charge (FC) and Variable/Fuel Charge (VC) for firm capacity of 500 MW is governed by Article 21 and Article 22 of PSA respectively., the computation of FC & VC for the Open Capacity of 125 MW Power is governed by the Article 18.4 of PSA. In the FY 2022-23, the APERC has approved the levelized tariff of Rs.3.84 per kWh (Rs.1.67 per Unit towards fixed cost and Rs.2.17 per unit towards Variable cost) which was arrived at based on the prevailing rates of concessional/FSA coal and its associated coal transportation costs at that time. Hence, they are only indicative/reference parameters as per the Article 34.6.2 of PSA.

f. **VC proposed to HNPCL is higher:**

FAPCCI has stated that the VC proposed by the DISCOMs for HNPCL is Rs. 3.30 per unit which is 17% more than the VC approved by the Commission in the RST Order dated 25.03.2023. In the absence of actual VC for the entire FY 2023-24, the VC approved in the RST Order for FY 2023-24 (*i.e. Rs. 2.81/ unit*) may be approved for the FY 2024-25 also.

DISCOMS' Response: Proposed the VC rate of Rs 3.30 per kWh as per the generator's claim for FY 2024-25.

g. **Conditional permission for procurement of 570/625 MW from Sembcorp-P1:**

About procurement of power from **SEIL-P1-570 MW**, Sri. Ch. Babu Rao CPI(M) & others, stated that one can understand agreeing to purchase of power by the DISCOMs from APGENCO, subject to prudent check and regulatory process of the Commission. But extending such an approach in the case of a private generator is unhealthy and violative of the letter and spirit of law, policies and directions which

provide for competitive bidding for procurement of power. Hence, conditional permission given to DISCOMS may be withdrawn and direct the DISCOMS to go in for real competitive bidding to procure power if required.

FAPCCI has stated that the cost of procurement from Sembcorp-P1-625 MW is on the higher side.

DISCOMS' Response: APDISCOMS will benefit from the proposed procurement of 625 MW power from SEIL Plant P1 with 100% concessional/FSA coal linkage from MCL through CTU Network from April 2024 onwards based on DISCOMS requirement until STU Network is commissioned with the tariff to be determined by the APERC u/s 62 of Electricity Act 2003. The present tariff applicable to DBFOO PPA of Sembcorp-P2-625 MW is taken into account for the evaluation of costs tentatively till the Commission determines the tariff under section 62.

h. Approval of the Supplementary PPA with HNPCL

Sri. Ch. Babu Rao CPI(M) & Others have stated that the DISCOMS have submitted a supplementary agreement entered into with HNPCL on 5.9.2022 as directed by the Commission in its final orders dated 1.8.2022. They wanted to know the consent status, new points incorporated in the supplementary agreement and their financial impact in terms of the tariff to be paid to HNPCL.

Response of the DISCOMS: As per the APERC order dated.01.08.2022 in O.P. No.19 of 2016 and O.P. No.21 of 2015, a supplementary agreement to the amended and restated PPA was entered into between APDISCOMS and HNPCL on 05.09.2022 and submitted the same for approval. Subsequently, APERC directed APDISCOMS to enter into consolidated PPA. As per the directions of APERC, incorporating the modifications suggested by APERC in its order dated.28.04.2016, a consolidated PPA was entered into between APDISCOMS and HNPCL on 17.02.2023 and submitted to the Commission for approval on 01.3.2023. The APERC directed DISCOMS to make certain modifications to the PPA entered on 17.02.2023 and submit the revised consolidated PPA. On 08.12.2023, HNPCL was addressed to enter a revised consolidated PPA. After entering the revised PPA, it will be submitted to the Commission for approval.

i. Dispatch of power from four CGS plants

On dispatch of power from four CGS plants for which consent was not granted by the Commission, Sri. M. Venugopal Rao, Sri. M.Thimmareddy & Kandarapu Murali have stated that in the delicate situation weighing the pros & cons of continuing to get power from the four CGS vis a vis purchasing power in the market, the Commission may take an appropriate decision in the interest of consumers at large. Whereas FAPCCI has stated that procurement of power from the 4 power plants of NTPC Kudgi, NTECL Vallur, NTPL (NLC Tamil Nadu) and NLC NNTS is not

commercially viable and is critically uncompetitive. it is imperative to point out that the DISCOMS have not made a case for the admission of power procurement from the 4 plants under discussion. Moreover, as the direction of the Ministry of Power (ref Letter dated 25.10.2023) for Coal import for domestic coal-based plants is still in force up to Mar 2024, it is unlikely that the Rate projected by the DISCOMS would nudge down.

DISCOMS' Response: The suggestion of Sri. M. Venugopal Rao & others is a welcome step and APDISCOMS have already requested the Commission in this matter. Regarding the FAPCCI objection, the DISCOMS stated that it may seem that the base thermal generation capacity (excluding 4nos CGS stations) i.e. 9982 MW apart from solar, wind and hydel is sufficient to meet the state demand. But in real time this is not the case, the PLF% of APGENCO thermal and APPDCL Stations is almost 50-60% only. As a result, there is a huge shortfall in power while scheduling the said stations in each time block. In such scenarios, these 4 nos stations which are reliable are being scheduled fully and this helps in avoiding market purchases to that extent.

These four stations have been considered in the resource plan, and the power deficit/surplus assessment and any further long-term procurement will be planned accordingly. The average variable cost of procurement from these four CGS stations under contest during FY 2022-23 is less than the market procurement price in the Day-ahead market segment of Power Markets in India. APDISCOMS have written to CEA seeking its guidance on procurement of power from these 4 nos CGS stations in the context of the Commission's decision & awaiting their advice.

j. **Lower availability for HNPCL:**

HNPCL stated that its availability at 60 per cent has been considered based on the last three years of actual PLF. Choosing the basis of 2020-23 will not be the correct reflection of HNPCL Generation capacity as during 2020-22, DISCOMS had suspended the power offtake from HNPCL despite the direction from the Hon'ble Supreme Court. In the ARR proposals submitted by HNPCL to DISCOMS, HNPCL has declared its availability of 85% for the FY 2024-25. HNPCL is poised to achieve this PLF subject to the approval of alternate coal in the event of a shortfall of domestic coal in line with clause 2.9 of the consolidated PPA dated 17.02.2023. Further, APDISCOMS have considered HNPCL FC as Rs 1.43 per unit. APERC has not determined the tariff for HNPCL for the control period FY 2024-29. HNPCL appealed the review order Dt 21.06.23 issued by APERC before APTEL and the matter is pending for hearing. The fixed charge determination is subject to the outcome of the appeal in the Hon'ble APTEL.

DISCOMS' Response: The Energy availability of all thermal stations of AP Genco, APPDCL and HNPCL have been considered based on their past three-year performance. This is in line with the methodology adopted by the Commission in the current year's Retail Supply Tariff order. The fixed costs of the stations have been reduced in proportionate to the reduced availabilities. Experience indicates that these generators were unable to supply the power they had projected on paper.

k. SECI-7000 MW Solar power PSA

Sri. M. Venugopala Rao, Sri. K. Murali & Others have stated that the APDISCOMs in the state have entered into PSA with SECI on 01.12.2021 for procurement of 7000 MW (17000 MU) in three tranches effective from October 2024. They wanted to know whether any Petitions were pending in the APTEL or a court of Law, questioning the way SECI conducted competitive bidding and selected the Adani group for the supply of Solar power from their units in Rajasthan. They also wanted to know when the DISCOMs approached the Commission for consent to the PSA, and what is the “due Regulatory process” as per the law that the Commission will follow for giving consent to the PSA.

DISCOMS' Response: There are two PILs WP (PIL) 237 of 2021 filed by Sri. K. Ramakrishna about approval for procurement of 7000 MW Solar power from SECI by APDISCOMs and WP (PIL) No. 76 of 2022 filed by Sri Payyavula Keshav before High Court of A.P challenging the adoption of tariff and approval of PPAs. Both PILs are pending. The PSA was not yet approved by the APERC. Because of pending PILs before the High Court of A.P., the DISCOMs have not approached the Commission for approval of PSA as of the date of reply. The petition requesting approval for PSA from APERC will be filed shortly.

APSEBAEES' Association said that the Power procurement cost has been increasing considerably since FY 2021-22 but for 2024-25 the PP cost has been deflated. With the addition of SECI-Solar Power of 3000MW, the Power Procurement cost will further increase. This will lead to an increase in the revenue gap of the APDISCOMs. In this regard, APSEBAEEA has opined that the addition of the remaining 4000MW (2025-3000MW and 2026-1000MW) of SECI-Solar Power in the upcoming years will further increase the Power Procurement cost. Hence, the PSA of SECI Solar Power may be reviewed.

DISCOMS' Response: To supply free agricultural power to the farming community on a sustained basis and to reduce power procurement costs and subsidy burden on the Government, the Govt. of AP and the three APDISCOMs in the state have entered into PSA with SECI on 01.12.2021 for procurement of 7000 MW (17000 MU) in three tranches effective from October 2024. The cost of this energy will be fully borne by GoAP through a guaranteed payment security mechanism.

Therefore, there will be no burden on DISCOMs or the end consumer. There will be no effect on the revenue gap of APDISCOMs. Further, No ISTS charges and losses from the Injection/delivery point to the receiving substation(s) of the Buying Entity as per the MOP order No.23/12/2016-R&R dated 23.11.2021 read with an amendment dated 30.11.2021. Therefore, SECI-solar power may not affect the power procurement cost as the tariff of these projects (Rs.2.49/kWh) is lower than the average power procurement cost by APDISCOMs.

Commission's view, analysis, and decisions

68. The Commission has carefully examined the above objections/views/suggestions of the stakeholders, and the responses of the DISCOMS on the same. The Commission would express its view on the specific points raised by the stakeholders wherever necessary at relevant places while finalizing the energy availability, despatch, and power purchase costs in the paragraphs infra.
69. **Sources of power/contracted capacities:** The Commission examined all the sources proposed by DISCOMS for power procurement for FY 2024-25.
- i. As regards APGENCO and APPDCL's plants, DISCOMS have proposed to procure power from all the APGENCO & APPDCL power plants (thermal, hydel, and RE). All these plants have valid power purchase agreements with DISCOMS except Dr. NTPPS stage V, and SDSTPS stage II. Further, some thermal and all hydel plants covered under composite PPA with APGENCO will expire on 31.03.2024. The Commission accorded in-principle permission by its letter dated 20.05.2022 for entering into Amended and Restated PPA with APGENCO's Dr NTPPS Stage-V (1X800 MW) and APPDCL stage II (1X800 MW) by the DISCOMS. The composite PPA was also filed by the DISCOMS for approval in a separate petition. The plants covered under composite PPA, Dr NTPPS stage V of APGENCO, and SDSTPS stage II are included in the power procurement plan for FY2024-25 subject to their approval in other proceedings before the Commission on the same matters.
 - ii. As regards CGS, the four CGS viz NTPC- Kudgi, NTECL - Vallur, NTPL, and NNTPS were not included in the power procurement plan in RST Orders from FY2022-23 and the Appeals filed before the APTEL by the DISCOMs on these four CGS are pending. By Common Order dated 30.10.2023 in OP Nos 34 to 44 of 2023, the Commission has not approved the PPAs with the said four CGS. The Appeal filed regarding NTPC- Kudgi, NTECL - Vallur PPAs by NTPC before Hon'ble APTEL on APERC Order dated 30.10.2023 is also pending. Some stakeholders have requested the Commission to take an appropriate view in the interest of consumers on these four CGS and few others have expressed a contrasting view on the same. Keeping in view the consumer's interest in the long term, The Commission passed the Order

dated 30.10.2023. Be that as it may, subject to the Hon'ble APTEL judgment in this regard, the Commission is not inclined to include the four CGS viz NTPC-Kudgi, NTECL - Vallur, NTPL, and NNTPS in the power procurement for FY2024-25 in line with its decision in the Order dated 30.10.2023.

- iii. As regards the URS/unallocated quota from the following existing/new CGS which do not have any PPA and whose capacity is very minimal and inclusion or exclusion of the same in the power procurement plan for FY2024-25 would not have much impact.

Sl.No	Name of CGS	Capacity in MW
1	NPC-KKNPP-Unit-I	1.78
2	NLC-TPS-I Expansion	2.24
3	NLC-TPS-I Expansion	2.67
4	NTPC_Telangana-STPP-Unit I	8.05

Further, this is the unrequested CGS allocation from the unallocated pool as per the submissions of the DISCOMS and they have stated that NTPC is pressing for PPAs. The Commission by letters dated 11.01.2023 and 05.12.2023 already communicated its decision on the same not approving the proposal of PPAs with the above power plants. In line with the above decision, the Commission is not inclined to include the same in the power procurement plan for FY2024-25. However, if the landed cost of these stations is less than the price in markets, DISCOMS may procure power from them for FY2024-25 without PPAs.

- iv. Excluding the eight CGSs discussed in previous paragraphs, the remaining CGS proposed by DISCOMS have been included in the power procurement plan for FY2024-25 by the Commission.
- v. As regards the solar power procurement from SECI, by order dated 11.11.2021, APERC has permitted DISCOMS to procure 7000 MW solar power from SECI in three tranches starting from October FY2024-25. This power procurement is intended to supply free power to farmers in the State through Andhra Pradesh Rural Agriculture Power Supply Company Ltd (APRAPSCL) directly by the Government bearing the entire cost of power and network without any burden on the DISCOMS and its consumers. Under a transition arrangement, the PSA was entered by DISCOMS. The arrangement for the supply of free power by GoAP to the farmers directly is not yet finalised. The GoAP has agreed to bear the entire cost of free power through its statement before the Commission at the end of public hearings. The free power sales therefore included in the sales of the DISCOMS and accordingly in power requirement. Further, the inclusion of SECI power in DISCOMS's power procurement in the transition period is expected to reduce about

- 40-50 paise per unit of the weighted average power purchase cost of NCE and therefore it will be beneficial to all consumers. Therefore, the opinion of APSEBAEAA is not correct in this regard. Regarding the certain information sought by some stakeholders on SECI power, the PSA has been filed by the DISCOMS before the Commission and the same is under the admission stage as of finalising this Order. The Regulatory process is the procedure stipulated in the Electricity Act and the Regulations for approval of the PPA/PSA. Hence, setting all contentions aside in this regard, the Commission is inclined to include the energy expected to be received by the DISCOMS from October 2024 in the power procurement plan for FY2024-25
- vi. About procurement of power from SEIL-P1-570/625 MW from April 2024 based on the conditional approval granted by the Commission, some stakeholders have requested the Commission to withdraw the same stating that extending such an approach in the case of a private generator is unhealthy and violative of the letter and spirit of law, policies and directions which provide for competitive bidding for procurement of power. In this regard, it is pertinent to mention the Hon'ble Supreme Court's judgement dated 23.11.2022 in Civil Appeal No. 1933 of 2022 in the case of the TATA Power Company Limited Transmission Versus Maharashtra Electricity Regulatory Commission & Ors, wherein the Hon'ble Supreme Court has held that Sections 62 and 63 stipulate the modalities of tariff determination. The non-obstante clause in Section 63 cannot be interpreted to mean that Section 63 would take precedence over Section 62 at the stage of choosing the modality to determine the tariff. The criteria or guidelines for the determination of the modality of tariff determination ought to be notified by the Appropriate State Commission either through regulations under Section 181 of the Act or guidelines under Section 61 of the Act. The Regulation 1 of 2008, APERC (Terms and conditions for determination of tariff for supply of electricity by a generating company to a distribution licensee and purchase of electricity by distribution licensee) Regulation, 2008 notified by the APERC did not bar the Commission to grant approval under section 62 for procurement of power by DISCOMS. After examining all aspects, keeping in view the long-term power requirement from such intra-state stations, energy security of the State and that which is readily available for the commencement of supply from 01.04.2024, the Commission has given conditional approval subject to final tariff determination under section 62. Hence, there is no need to withdraw the conditional approval and accordingly the same is included in the power procurement plan for FY2024-25.
- vii. As regards the concerns raised on the supplementary agreement with HNPCL and its financial implications, the final consolidated agreement submitted by DISCOMS is not as per the directions contained in the Order dated 01.08.2022 of the

Commission. Hence, the same was returned to the DISCOMS. There were no new additions in the consolidated agreement which have additional financial implications.

- viii. Regarding RE/NCE plants which are hundreds in number, the power procurement for the whole capacity as proposed by the DISCOMS has been included in the power procurement plan for FY 2024-25.
- ix. As regards the SEIL's other plants, and HNPCL whose PPAs have the approval of the Commission, the same have been included in the power procurement plan for FY 2024-25.
- x. Based on the above discussion, the Commission is inclined to consider the capacity from various sources as shown in the table below in the energy availability estimations for FY2024-25.

Table 32: Approved: Contracted Capacities

SOURCE	Installed/ Contracted CAPACITY (MW)	APDISCOMs SHARE (%)	APDISCOMs CONTRACTED CAPACITY(MW)
APGENCO-THERMAL	3,410	100%	3,410
APGENCO-HYDEL	1,774	100%	1,774
JOINT SECTOR	2,617	94%	2,457
CGS-Allocated Capacity to the State-Excluding 8 stations	1,548	100%	1,548
IPPs-Coal	1,896	100%	1,896
IPPs-Gas	1498	46%	690.73
NCE/RE	7,605	100%	7,605
Sub-TOTAL	20,347		19,380
Addition of New Capacities			
NTTPS -V	800	100%	800
SEIL (625 MW)	625	100%	625
NCE-SECI	3,000	100%	3,000
Grand Total	24,772		23,805

- 70. As for the effect of the inclusion of sources in the power procurement plan for FY2024-25, the Commission reiterates its direction in the previous RST Orders that the inclusion of any project/plant under the above sources is only to estimate the availability of capacity during the FY2024-25 and the same does not in any way confer automatic regulatory approval which has to be obtained separately based on merits as per the law. Further, for the Generating stations included in the sources of supply shown above which either have no Power Purchase Agreements or which have no approval from the Commission for their Power Purchase Agreements and/or whose

tariffs are yet to be determined by the Commission, except in the cases where there is an ad-hoc tariff being paid as per the Orders of the Commission, the licensees shall not receive any supply of power without prior intimation to and prior approval of the Commission.

71. **Energy Availability:** Till FY2022-23, it has been in practice to take normative availabilities for estimation of the energy availability for the year. As there is a large variation between the normative availabilities and the actual PLFs of intra-state GENCOS for several reasons, the Commission has taken a view to considering the availabilities based on actual performance for estimation of energy availability from FY2023-24 onwards to reflect the realities and thus to limit variations between estimations and actuals. However, the GENCOS have not been prevented from improving their performance. In line with the above stance, the DISCOMs also estimated the energy availabilities from intra-state Gencos based on the last three years' actual performance. However, after examination of the filings, the Intrastate plant's performance up to December 2023 in the current financial year, and the status of domestic coal linkages etc, the Commission has finalised the availability percentages as shown in the table below with due comparison to filings.

Table 33: Approved Vs Filings: Energy Availability percentages

Station name	PLF % -As per Filings	PLF % -Approved by the Commission
Dr NTPPS	80	75
Dr NTPPS IV	80	85
Dr NTPPS-V	80	75
RTPP Stage-I	55	70
RTPP Stage-II	60	80
RTPP Stage-III	60	75
RTPP Stage-IV	65	70
APPDCL Stage-I	55	60
APPDCL Stage-II	55	60
HNPCL	60	60
SEIL P1(625 MW)	90	80
SEIL P1 (230MW)	100	85
SEIL P2 (500MW Firm)	100	70
SEIL P2 (125MW Open Cap)	100	70

As regards the request of HNPCL to consider 85 per cent availability based on its submission regarding ARR finalisation for FY2024-25, HNPCL stated that it will achieve this PLF subject to the approval of alternate coal in the event of a shortfall of domestic coal in line with clause 2.9 of the consolidated PPA dated 17.02.2023. In this regard, it may be noted that as per clause 2.9 of the PPA, the prior approval of

the Commission is the sine qua non for the use of imported coal and the Commission did not find any justification in permitting the HNPCL to use imported coal. Hence, the Commission is inclined to consider its availability only at 60 per cent as indicated in the above table after examining its actual performance with domestic coal up to December 2023. However, it is not prevented from improving the actual performance up to normative or more.

As there is no APM gas allocation, the availability from all the IPP gas including the GGPP owned by DISCOMS has not been considered for FY2024-25.

CGS availability is considered normative at the State's periphery after factoring in the PGCIL losses. NCE generation and hydel generation have been estimated as proposed to be considered in the Resource plan for the 5th control period.

Accordingly, the station/unit-wise energy availability estimated by the Commission for each DISCOM and also for three DISCOMS put together are shown in Annexures-05 and the summary of the same for the FY 2024-25 is shown in the table below.

Table 34: Approved Discom-Wise Energy Availability (MU) for FY 2024-25

Sl. No.	Source	DISCOMS TOTAL CAPACITY (MW)	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	APGENCO-Thermal	4,210	9,909	5,473	10,294	25,676
2	APGENCO- Hydel	1,656	1,399	767	1,453	3,618
3	Interstate- Hydel	118	99	54	103	257
4	APGENCO-TOTAL	5,984	11,407	6,294	11,850	29,551
5	CG Stations	1,548	4,019	2,220	4,175	10,415
6	NCE/RE plants	10,542	6,799	3,743	7,036	17,578
7	APPDCL Stage-I	1,440	2,731	1,508	2,837	7,077
8	APPDCL Stage-II	800	1,529	845	1,589	3,963
9	Godavari Gas Power Plant	217	0	0	0	0
10	SEIL P1 (230MW)	231	663	366	688	1,717
11	SEIL P1 (625MW)	625	1,606	887	1,668	4,161
12	SEIL P2 (500MW Firm)	500	1,183	654	1,229	3,066
13	SEIL P2 (125MW Open Cap)	125	296	163	307	767
14	HNPCL	1,040	1,988	1,098	2,065	5,152
15	Total	23,051	32,222	17,778	33,445	83,446

The difference in energy availability approval over the filings in respect of three DISCOMS together is given in the table below:

Table 35: Approved Vs Filing: Energy Availability (MU) for FY 2024-25

S. No.	Source	Total for three DISCOMs		
		Filing	Approved	Difference
1	-2	-3	-4	(5)= (4) - (3)
1	APGENCO-Thermal	24,082	25,676	1,594
2	APGENCO- Hydel	2,870	3,618	749
3	Interstate- Hydel	443	257	-186
4	APGENCO-TOTAL	27,395	29,551	2,156
5	CG Stations	14,697	10,415	-4,282
6	NCE/RE plants	17,888	17,578	-310
7	APPDCL Stage-I	7,157	7,077	-80
8	APPDCL Stage-II	3,600	3,963	363
9	Godavari Gas Power Plant		0	0
10	SEIL P1 (230MW)	2,020	1,717	-303
11	SEIL P1 (625MW)	4,928	4,161	-767
12	SEIL P2 (500MW Firm)	4,200	3,066	-1,134
13	SEIL P2 (125MW Open Cap)	1,050	767	-284
14	HNPCL	5,152	5,152	0
15	Total	88,086	83,446	-4,640

Further, the Commission has finalised the energy availability of some thermal stations as discussed above based on the actual performance for the last three years and actual performance up to December 2023 and accordingly it proposes to reduce the fixed costs proportionately corresponding to the capacity approved in the present order. **However, the DISCOMS shall pay the fixed costs based on the actual availability during the month or the availability approved in this order subject to limiting the same to normative value every month and for the year as a whole. In respect of the plants whose availability is considered at normative value, the fixed charges approved in this order are payable provided, they achieve the normative availability/capacity index at the end of the month/year as specified in the relevant Regulations/orders.**

SLDC shall intimate the DISCOMS of the availability achieved by each generator including CGSs after the end of each month within 15 days after completion of that month.

72. **Energy Dispatch for FY2024-25:** There are no tools to estimate the despatch based on merit order on each 15-minute time block basis. Hence, as per the practice in place, after the determination of energy availability and power purchase requirement for the FY2024-25, the Commission has first mapped the month-wise power purchase requirement to the month-wise energy availability for three DISCOMS together in the

merit order based on the variable cost of thermal stations. As three DISCOMS despatch are combined to have the optimisation of power purchase cost, their individual despatch is finalised based on their power requirement ratios in the total despatch as per the Commission's Regulation at the end of each month and thus D- D transactions are to be avoided. This also will avoid the variations in power purchase cost per unit of each DISCOMS. If there is a shortage for all the DISCOMS in any month, then the balance requirement is proposed to be procured from the Market. While preparing the month-wise energy despatches, the available energies from all Stations as shown in Annexure – 5 A to 5D have been considered for despatch. The stations having the must-run status such as Renewable Energy Projects, Nuclear Power Projects, and Hydel Stations have been dispatched first due to their must-run status as per the regulations in vogue. The SLDC shall strictly comply with the applicable CERC/SERC regulations/guidelines while dispatching energy from these projects on a real-time basis. The station/stage-wise despatches from different sources of energy as approved by the Commission are shown in Annexures-07 and the summary of the same is shown in the table below:

Table 36: Approved Discom-Wise Energy Despatch (MU) for FY 2024-25

Sl. No.	Source	DISCOMS TOTAL CAPACITY (MW)	SPDCL	CPDCL	EPDCL	Total for three DISCOMS
1	APGENCO-Thermal	4,210	8,878	4,904	9,180	22,961
2	APGENCO- Hydel	1,656	1,399	767	1,453	3,618
3	Interstate- Hydel	118	99	54	103	257
4	APGENCO-TOTAL	5,984	10,375	5,725	10,736	26,836
5	CG Stations	1,548	3,942	2,178	4,096	10,216
6	NCE/RE plants	10,542	6,799	3,743	7,036	17,578
7	APPDCL Stage-I	1,440	2,731	1,508	2,837	7,077
8	APPDCL Stage-II	800	1,529	845	1,589	3,963
9	Godavari Gas Power Plant	217	0	0	0	0
10	SEIL P1 (230MW)	231	663	366	688	1,717
11	SEIL P1 (625MW)	625	1,606	887	1,668	4,161
12	SEIL P2 (500MW Firm)	500	1,183	654	1,229	3,066
13	SEIL P2 (125MW Open Cap)	125	84	49	90	223
14	HNPCl	1,040	1,988	1,098	2,065	5,152
15	Short Term Purchase		393	229	414	1,036
16	TOTAL	23,051	31,294	17,282	32,449	81,025

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

Table 37: Approved Vs Filing: Energy Despatch (MU) for FY 2024-25

Sl. No.	Source	Total for three DISCOMs Filing	Approved	Difference
(1)	(2)	(3)	(4)	(5) = (4) - (3)
1	APGENCO-Thermal	21,103	22,961	1,858
2	APGENCO- Hydel	2,870	3,618	749
3	Interstate- Hydel	443	257	-186
4	APGENCO-TOTAL	24,416	26,836	2,421
5	CG Stations	13,016	10,216	-2,800
6	NCE/RE plants	17,888	17,578	-310
7	APPDCL Stage-I	7,157	7,077	-80
8	APPDCL Stage-II	3,600	3,963	363
9	Godavari Gas Power Plant	0	0	0
10	SEIL P1 (230MW)	2,020	1,717	-303
11	SEIL P1 (625MW)	4,928	4,161	-767
12	SEIL P2 (500MW Firm)	4,200	3,066	-1,134
13	SEIL P2 (125MW Open Cap)	321	223	-98
14	HNPCL	5,152	5,152	0
15	Short Term Purchase	421	1,036	615
16	TOTAL	83,118	81,025	-2,093

While operating intraday merit order despatch by SLDC on real-time, the least cost source shall be despatched to the full extent to achieve lower power purchase cost at the end of the day. The SLDC shall use unit commitment software for the same. While backing down approved thermal stations intraday, the technical limits for backing down the units as specified in the IEGC shall be followed. For keeping reserve shutdown of units for any reason, the Guidelines on “the Reserve shutdown and Revival from reserve shutdown of thermal generating units to be despatched by APSLDC” issued by APERC by proceeding dated 31.07.2023 shall be followed.

74. **Unexpected Slippages in Generation:** During some months/weeks, part or full availability of energy estimated from some of the approved generating

stations/sources may not materialize due to the factors like break-down of power plants, non-availability of fuel, etc., leading to a gap between demand and supply. In that case, the DISCOMs shall approach the Commission for remedial measures to meet the shortfall in energy from alternative sources duly making some analysis. **Any short-term power purchase including the shortfall of energy during certain time blocks in a day or certain days shall be procured as per Regulation 1 of 2022 and furnish the information to the Commission accordingly. The Timelines as specified in the Commission's proceedings dated 10.07.2023 shall be followed for the Submission of Power Procurement Proposals on to the Commission.** Violation of the above directions of the Commission will be viewed very seriously and appropriate action will be initiated against the officers/persons responsible for the violation under the provisions of the Electricity Act, 2003, AP Electricity Reform Act, 1998, and Rules and Regulations made thereunder under the prescribed procedure.

75. Having finalised the energy despatches as above, the Commission proposes to approve the costs to avoid the FPPCA claims in future to as low as possible. It has approved the power purchase costs accordingly, as detailed in the following paragraphs:
- i. Fixed costs:** The fixed costs as filed by the DISCOMS have been considered by the Commission for all sources except for the Dr NTTPS Stage V, SDSTPS Stage III and SEIPL P2 125 MW open capacity. In respect of Dr NTTPS stage V and SDSTPS stage II, the per unit cost of Rs.2.80 per unit is taken based on the approximate capital cost of the same. In respect of SEIPL P2 125 MW capacity, the fixed cost per unit is taken in line with the firm capacity of 500 MW as per PPA. For the stations where the availability percentage is modified, the proportionate costs are considered. The fixed costs in respect of GGPP have been considered as per the filings for O&M though the despatch is not shown since this plant is owned by the DISCOMS.
 - ii. Variable Costs:** There are some objections to the proposals of the DISCOMS relating to the variable cost per unit of APGENCO Stations, HNPCL and SEIPL open capacity. Keeping in view to avoid the burden on the consumers in the form of FPPCA in future, the Commission decides to adopt the variable costs per unit of all stations on a realistic basis as per the latest data available with the Commission in this regard. Accordingly, the variable cost per unit (Rs.)of APGENCO stations has been enhanced compared to the filings based on the FPPAC data available with the Commission and MYT filings of the GENCO. The variable cost per unit filed and approved in respect of APGENCO stations is shown in the table below.

S. No.	APGenco-Thermal	Filings of Discoms	Approved by the Commission
1	Dr. NTPPS	3.51	3.90
2	Dr. NTPPS-IV	3.31	3.60
3	Dr. NTPPS-V	3.23	3.30
4	RTPP Stage-I	4.05	4.40
5	RTPP Stage-II	4.05	4.40
6	RTPP Stage-III	4.05	4.40
7	RTPP Stage-IV	3.84	4.10

After examination of the FPPCA filings for FY2022-23, the variable cost per unit (Rs) of some CGS have been enhanced compared to the filings and in respect of other stations, the same have been considered as per filings. The variable cost per unit filed and approved in respect of CGS to whom variable costs have been enhanced is shown in the table below.

S. No.	CG Stations	Filings of Discoms	Approved by the Commission
1	NTPC(SR) Ramagundam I & II	3.48	3.65
2	NTPC(SR) Simhadri Stage-I	3.29	3.45
3	NTPC(SR) Simhadri Stage-II	3.26	3.42
4	NTPC(SR) Talcher Stage-II	1.76	1.85
5	NTPC(SR) Ramagundam III	3.43	3.60

The variable cost per unit (Rs.) in respect of NCE have been considered as per the latest key performance indicators available on the APTRANSCO website and for the solar power to be procured from SECI, Rs.2.49 per unit has been considered. The variable cost per unit filed and approved in respect of NCE is shown in the table below.

S. No.	NCE	Filings of Discoms	Approved by the Commission
1	NCE- Others	5.28	6.11
2	NCE Solar	3.82	3.82
3	NCE WIND	4.72	4.70

The variable cost per unit of all other remaining stations have been considered as per the filings since the same are reflecting the reality.

The DISCOMS are directed to note that the Commission adopted the variable cost per unit as per the latest data available with it. Hence, they shall pay the variable cost to each plant/source only on an actual basis as per the procedure stipulated in Regulation 1 of 2008 for FY 2024-25 and inform the Commission of the sources which claimed variable cost more than the price adopted in this order with detailed reasons. Wherever there are any limitations were/are imposed by the Commission in payment of variable cost per unit on any source, the same shall be complied with.

- iii. The Other Costs:** The DISCOMS have shown in their filings the incentives and other costs in respect of payment to SEIPL. The same has not been approved by the Commission. However, the DISCOMS shall pay the same based on PPA if it achieves performance over and above the normative level.
- iv. Market Purchases:** For short-term power purchases approved, the actual weighted average per unit rate available with the Commission till the end of December 2023 during FY 2023-24 has been adopted to avoid the burden of FPPCA in future since the variation in the quantum of market purchases & costs approved in this Order is imminent for the detailed analysis mentioned in the paragraphs infra. As per the estimates of the Commission, the DISCOMS have to necessarily purchase energy from the exchanges/market during some months in certain time blocks for FY2024-25 which is not factored in the present estimates. For such purchases, **the Commission approves the ceiling rate at Rs.7.04 per unit which is the per unit short-term power purchase price for FY2024-25 fixed by the Commission in this order for three DISCOMS put together. If the weighted average price exceeds the ceiling price in any month, the reasons and justification for such purchases at higher prices shall be furnished to the Commission.**
- v.** As discussed above, the station-wise power purchase cost computed by the Commission for the three DISCOMs (State) and for each DISCOM corresponding to the energy despatch approved in this order is shown in Annexures-09 and the summary of the same sources wise for FY2024-25 for three DISCOMS put together and for each DISCOM is given in the tables below:

Table 38: Approved-Three DISCOMs - Power Purchase Cost

S. No.	Source	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	APGENCO-Thermal	22,961	4,009	8,811	12,820	1.75	3.84	5.58
2	APGENCO- Hydel	3,618	646	0	646	1.78	0.00	1.78
3	Interstate- Hydel	257	80	0	80	3.12	0.00	3.12
4	APGENCO-TOTAL	26,836	4,735	8,811	13,546	1.76	3.28	5.05
5	CG Stations	10,216	959	3,364	4,323	0.94	3.29	4.23
6	NCE/RE plants	17,578	13	7,368	7,381	0.01	4.19	4.20
7	APPDCL Stage-I	7,077	1,132	2,335	3,467	1.60	3.30	4.90
8	APPDCL Stage-II	3,963	1,110	1,308	2,417	2.80	3.30	6.10
9	Godavari Gas Power Plant	0	17	0	17			
10	SEIL P1 (230MW)	1,717	217	440	657	1.26	2.56	3.82
11	SEIL P1 (625MW)	4,161	702	1,028	1,730	1.69	2.47	4.16
12	SEIL P2 (500MW Firm)	3,066	486	757	1,243	1.58	2.47	4.05
13	SEIL P2 (125MW Open Cap)	223	35	98	133	1.58	4.40	5.98
14	HNPCL	5,152	736	1,700	2,436	1.43	3.30	4.73
15	Short Term Purchase	1,036		730	730	0.00	7.04	7.04
16	TOTAL	81,025	10,141	27,939	38,080	1.25	3.45	4.70

Table 39: Approved: APSPDCL - Power Purchase Cost

S. No.	Source	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	APGENCO-Thermal	8,868	1,548	3,403	4,951	1.75	3.84	5.58
2	APGENCO- Hydel	1,398	249	0	249	1.78	0.00	1.78
3	Interstate- Hydel	99	31	0	31	3.12	0.00	3.12
4	APGENCO-TOTAL	10,365	1,829	3,403	5,232	1.76	3.28	5.05
5	CG Stations	3,946	371	1,299	1,670	0.94	3.29	4.23
6	NCE/RE plants	6,789	5	2,846	2,851	0.01	4.19	4.20
7	APPDCL Stage-I	2,733	437	902	1,339	1.60	3.30	4.90
8	APPDCL Stage-II	1,531	429	505	934	2.80	3.30	6.10
9	Godavari Gas Power Plant	0	7	0	7			
10	SEIL P1 (230MW)	663	84	170	254	1.26	2.56	3.82
11	SEIL P1 (625MW)	1,607	271	397	668	1.69	2.47	4.16
12	SEIL P2 (500MW Firm)	1,184	188	292	480	1.58	2.47	4.05
13	SEIL P2 (125MW Open Cap)	86	14	38	52	1.58	4.40	5.98
14	HNPCL	1,990	284	657	941	1.43	3.30	4.73
15	Short Term Purchase	400	0	282	282	0.00	7.04	7.04
16	TOTAL	31,294	3,917	10,791	14,708	1.25	3.45	4.70

Table 40: Approved- APCPDCL - Power Purchase Cost

S. No.	Source	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	APGENCO-Thermal	4,897	855	1,879	2,734	1.75	3.84	5.58
2	APGENCO- Hydel	772	138	0	138	1.78	0.00	1.78
3	Interstate- Hydel	55	17	0	17	3.12	0.00	3.12
4	APGENCO-TOTAL	5,724	1,010	1,879	2,889	1.76	3.28	5.05
5	CG Stations	2,179	205	717	922	0.94	3.29	4.23
6	NCE/RE plants	3,749	3	1,572	1,574	0.01	4.19	4.20
7	APPDCL Stage-I	1,509	241	498	739	1.60	3.30	4.90
8	APPDCL Stage-II	845	237	279	516	2.80	3.30	6.10
9	Godavari Gas Power Plant	0	4	0	4			
10	SEIL P1 (230MW)	366	46	94	140	1.26	2.56	3.82
11	SEIL P1 (625MW)	888	150	219	369	1.69	2.47	4.16
12	SEIL P2 (500MW Firm)	654	104	162	265	1.58	2.47	4.05
13	SEIL P2 (125MW Open Cap)	48	8	21	28	1.58	4.40	5.98
14	HNPCL	1,099	157	363	520	1.43	3.30	4.73
15	Short Term Purchase	221	0	156	156	0.00	7.04	7.04
16	TOTAL	17,282	2,163	5,959	8,122	1.25	3.45	4.70

Table 41: Approved APEPDCL Power Purchase Cost

S. No.	Source	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	APGENCO-Thermal	9,195	1,605	3,529	5,134	1.75	3.84	5.58
2	APGENCO- Hydel	1,449	259	0	259	1.78	0.00	1.78
3	Interstate- Hydel	103	32	0	32	3.12	0.00	3.12
4	APGENCO-TOTAL	10,747	1,896	3,529	5,425	1.76	3.28	5.05
5	CG Stations	4,091	384	1,347	1,731	0.94	3.29	4.23
6	NCE/RE plants	7,039	5	2,951	2,956	0.01	4.19	4.20
7	APPDCL Stage-I	2,834	453	935	1,388	1.60	3.30	4.90
8	APPDCL Stage-II	1,587	444	524	968	2.80	3.30	6.10
9	Godavari Gas Power Plant	0	7	0	7			
10	SEIL P1 (230MW)	688	87	176	263	1.26	2.56	3.82
11	SEIL P1 (625MW)	1,666	281	412	693	1.69	2.47	4.16
12	SEIL P2 (500MW Firm)	1,228	194	303	498	1.58	2.47	4.05
13	SEIL P2 (125MW Open Cap)	89	14	39	53	1.58	4.40	5.98
14	HNPCL	2,063	295	681	976	1.43	3.30	4.73
15	Short Term Purchase	415	0	292	292	0.00	7.04	7.04
16	TOTAL	32,449	4,061	11,189	15,250	1.25	3.45	4.70

Table 42: Difference of Approved Vs Filing: Three DISCOMs - Power Purchase Cost (Rs. Cr.)

Sl.No.	Source	Filing	Approved	Difference
A	B	C	D	E=D-C
1	APGENCO-Thermal	11,567	12,820	-1,253
2	APGENCO- Hydel	643	646	-2
3	Interstate- Hydel	80	80	0
4	APGENCO-TOTAL	12,291	13,546	-1,255
5	CG Stations	5,781	4,323	1,458
6	NCE/RE plants	7,496	7,381	115
7	APPDCL Stage-I	3,645	3,467	179
8	APPDCL Stage-II	2,188	2,417	-230
9	Godavari Gas Power Plant	17	17	0
10	SEIL P1 (230MW)	772	657	116
11	SEIL P1 (625MW)	2,049	1,730	319
12	SEIL P2 (500MW Firm)	1,703	1,243	460
13	SEIL P2 (125MW Open Cap)	326	133	193
14	HNPCL	2,436	2,436	0
15	Short Term Purchase	213	730	-517
16	TOTAL	38,917	38,080	836

76. As regards the contention that errors in the estimation of Energy availability and power purchase costs at the time of determination of tariffs will result in huge True-ups / FPPCA in the subsequent years, as stated earlier, there are no tools available to estimate the power purchase costs each 15-minute block-wise based on merit order. However, all the costs of each plant have been taken on a realistic basis from the latest data to avoid cost variations and loading the consumers in future in the form of FPPCA. However, the experience shows that the energy availability from each source particularly intra-state GENCOS in real-time may slip. Some of the reasons in brief for variation in generation and accordingly costs are as follows.

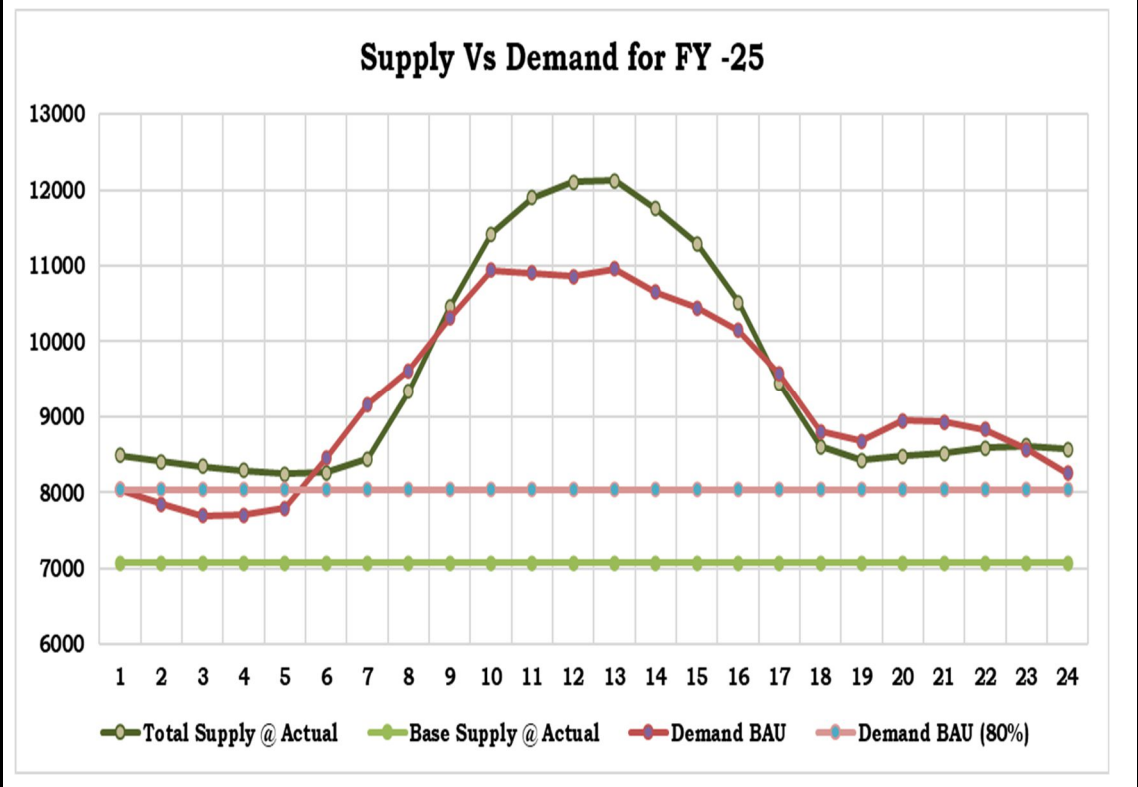
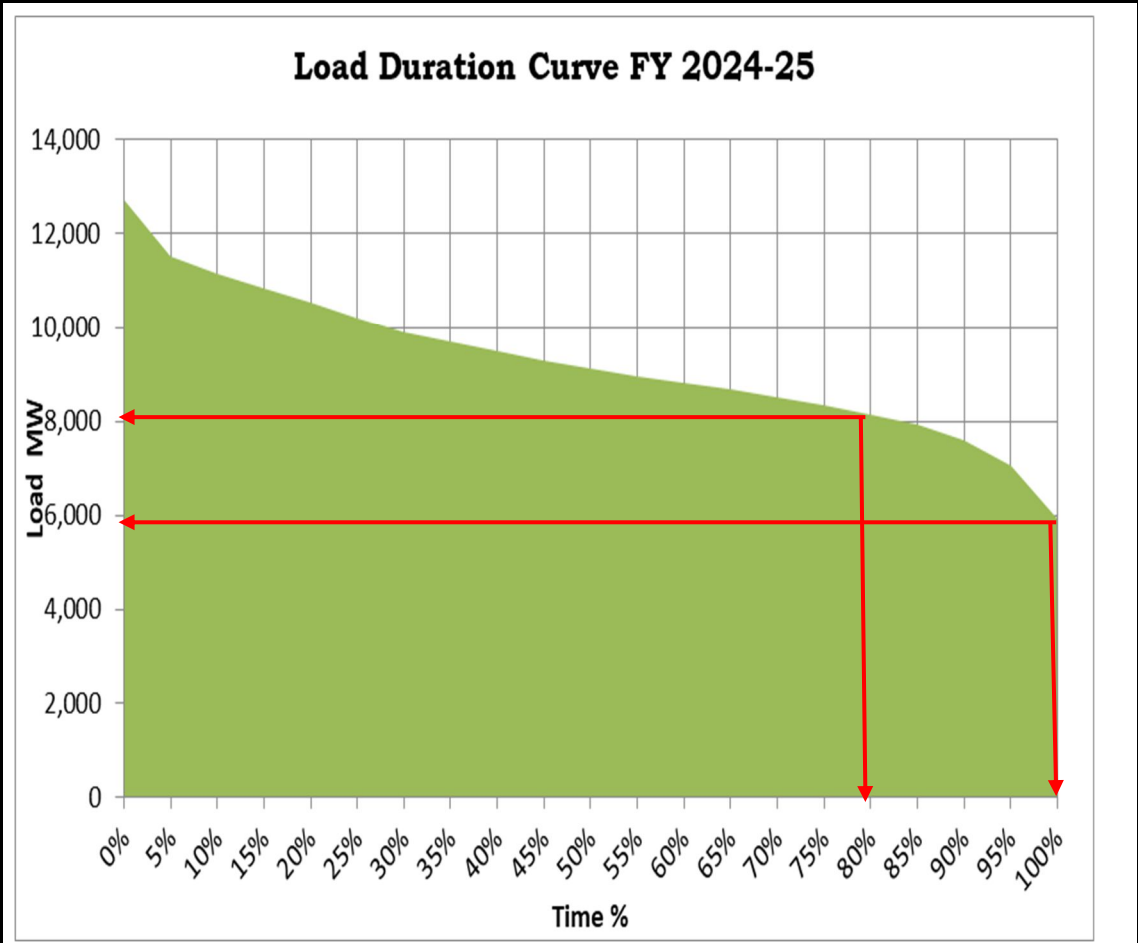
- All intra-state thermal plants are non-pit heads and hence, the coal supplies and freight issues will lead to slippage of generation despite the suitable measures taken by GENCOs.
- A large capacity of thermal plants of APGENCO has completed its useful life and is due for retirement. However, the MoP has issued a circular to operate all such plants till FY 2031-32 keeping in view the support required to meet the base load in the system. APGENCO has proposed R&M of these plants in its MYT petition and the same is under scrutiny of the Commission. The frequent tripping of these plants in real-time will lead to slippage of generation necessitating the market purchases by the DISCOMS to maintain a 24/7 supply to the consumers. Hence, there could be variations in the quantity of market purchases. The variation in market purchases will not result in huge FPPCA if the price of such purchases is

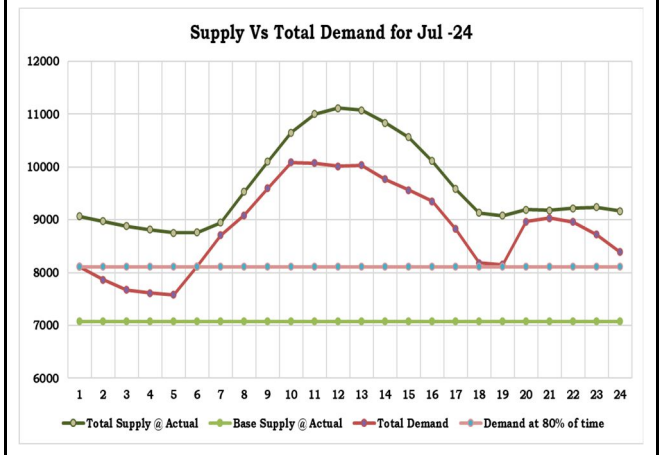
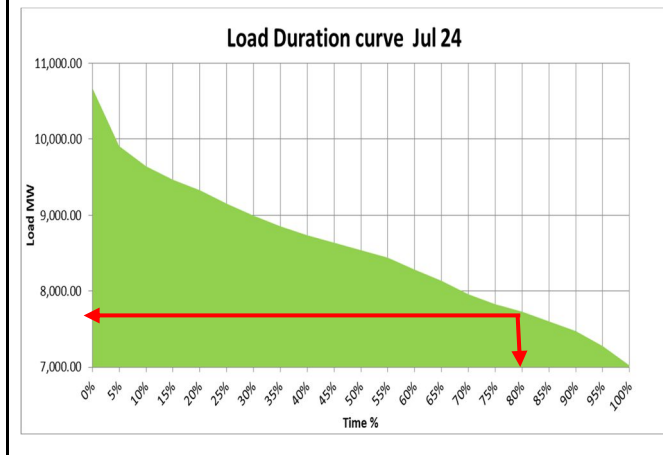
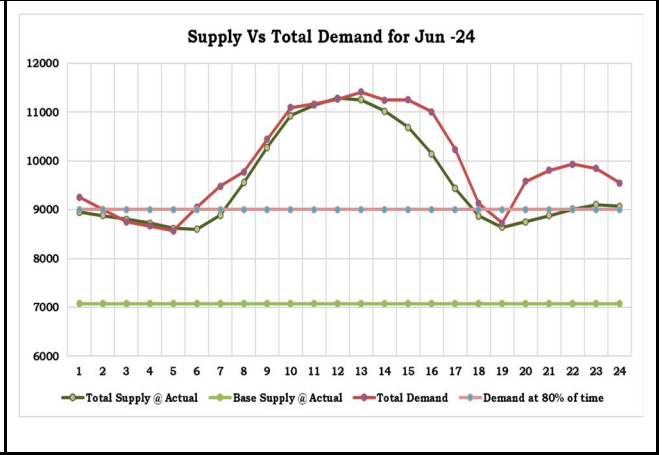
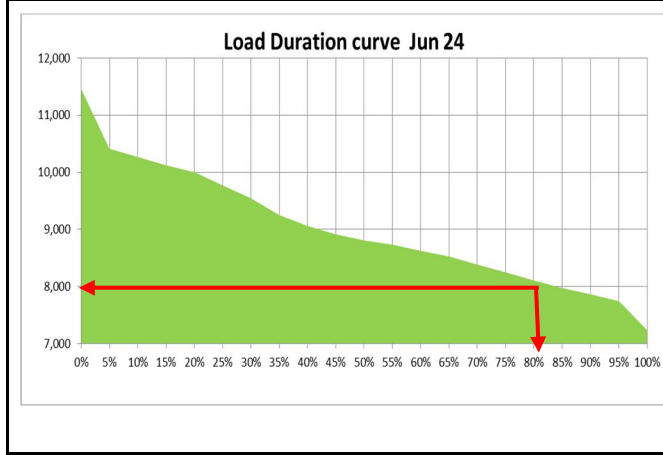
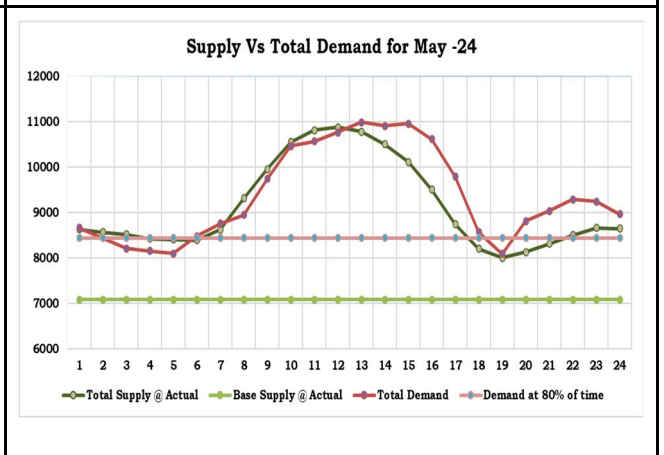
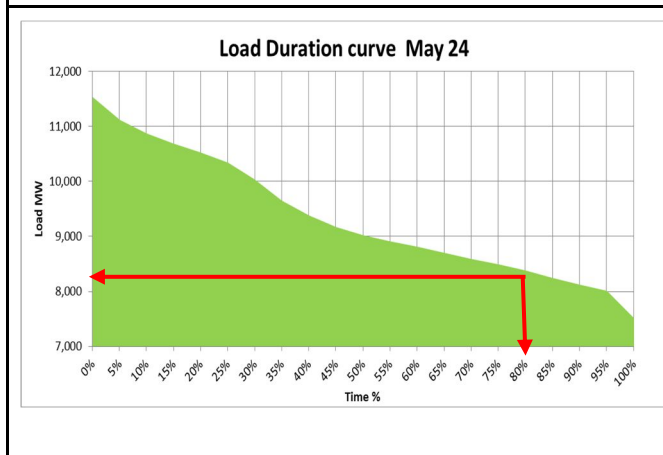
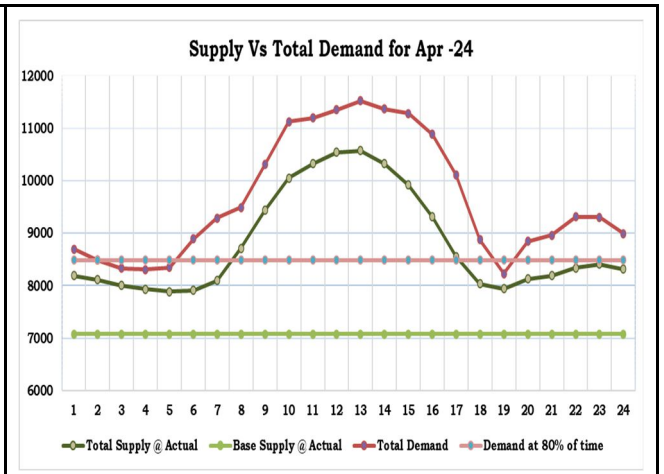
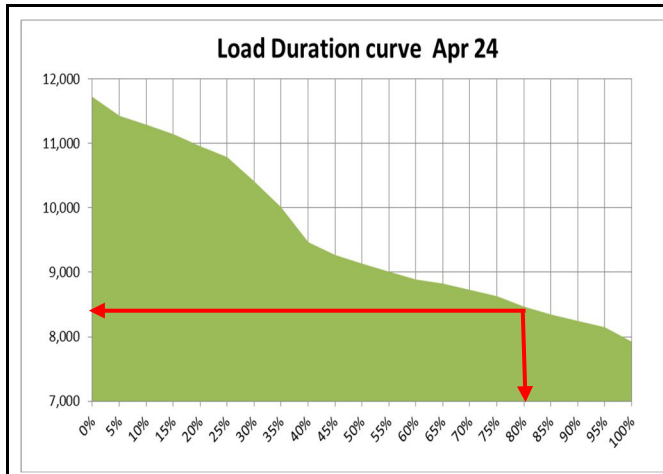
at a normal level. But this price always depends on the supply and demand status in real time. This price is also fixed based on the latest data. However, if the quantity from the Market exceeds over and above the approval, there will be FPPCA implications.

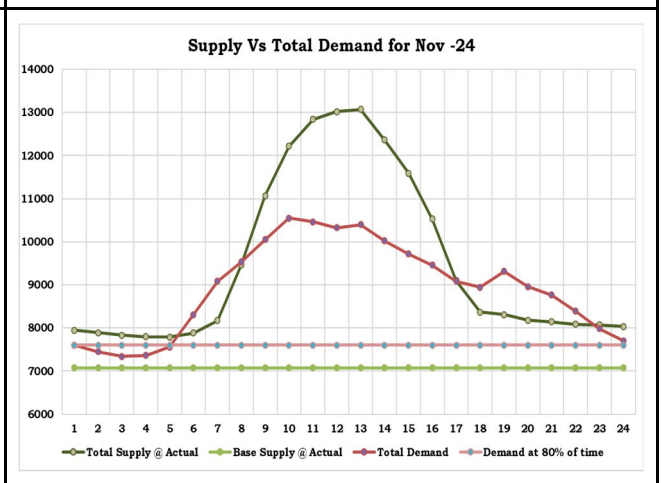
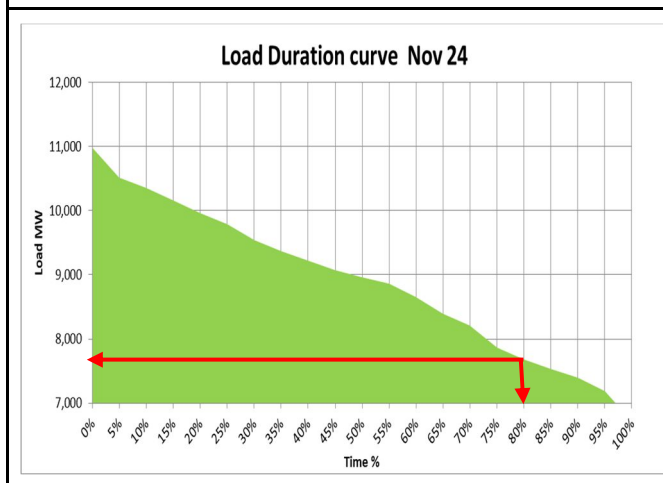
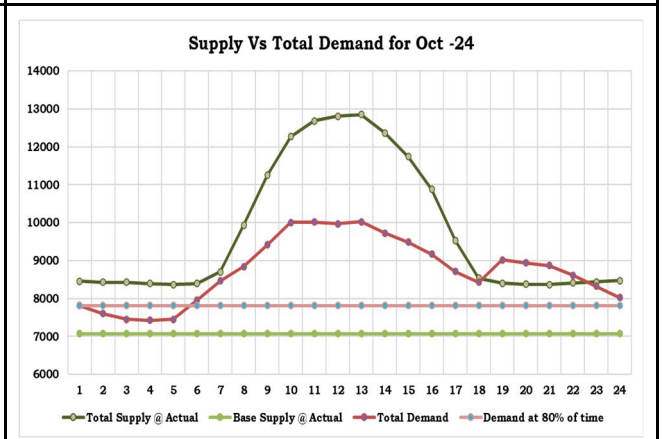
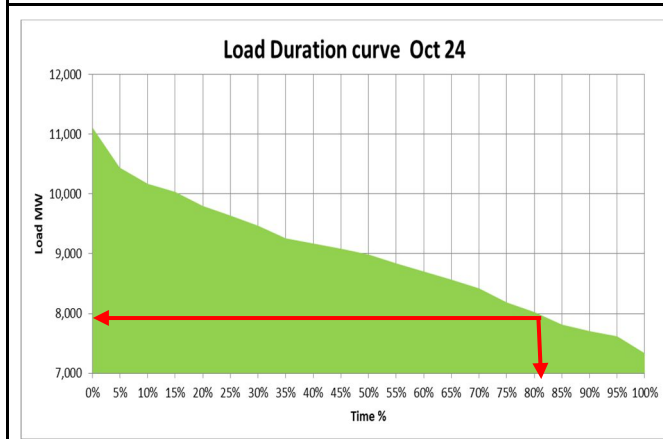
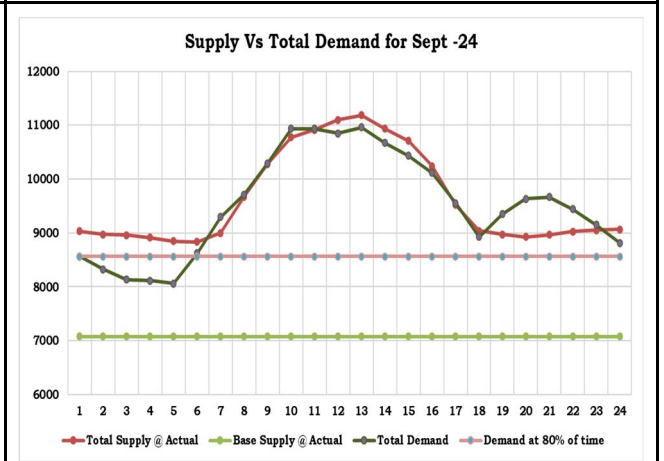
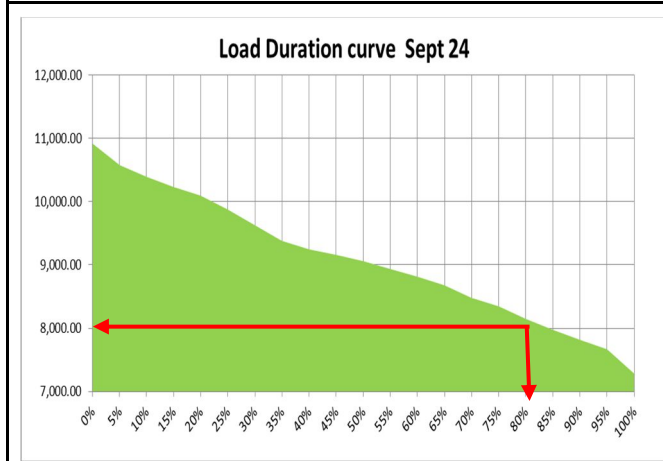
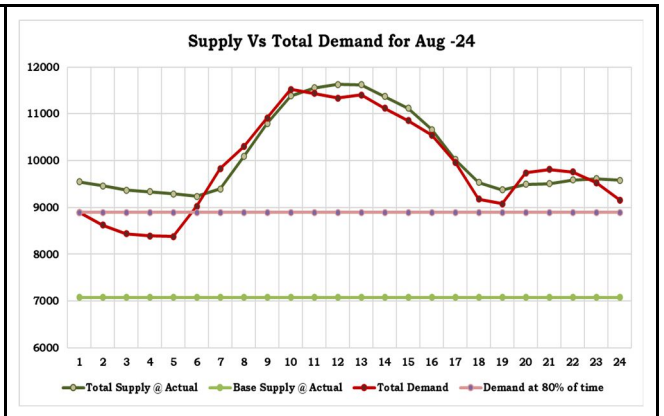
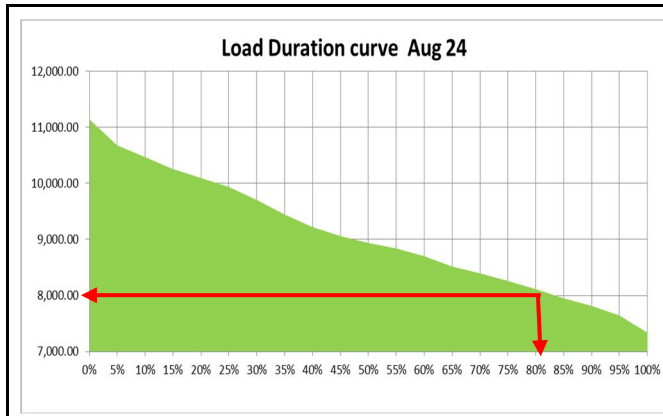
- Weather conditions like the ELNino effect that persisted in FY 2023-24 are not factored in the estimations. The long-term weather forecast tools are not available to take care of such effects in advance. Hence, there could be huge variations in sales and accordingly the power purchase requirement. If this increase in power requirement is not met from approved sources, particularly the hydel sources during the monsoon season, the market purchases are prone to increase considerably.
- Further, 50 per cent of the contracted capacity is from NCE, particularly from wind and solar. Though better forecasting tools are available, the variations in wind and solar generations in each time block may result in a shortage/surplus of some blocks. The shortage invariably has to be met from the market.

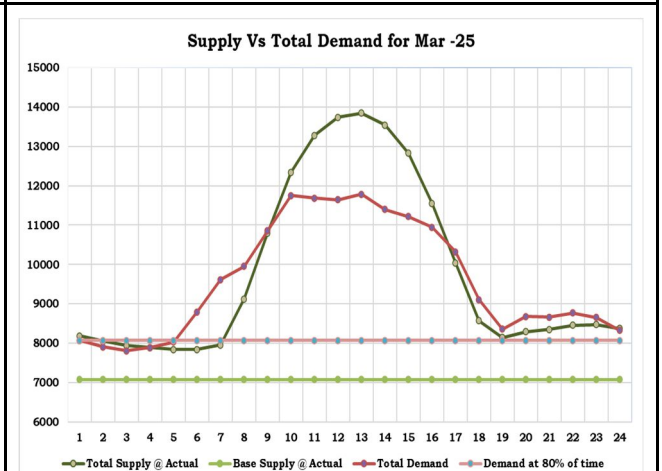
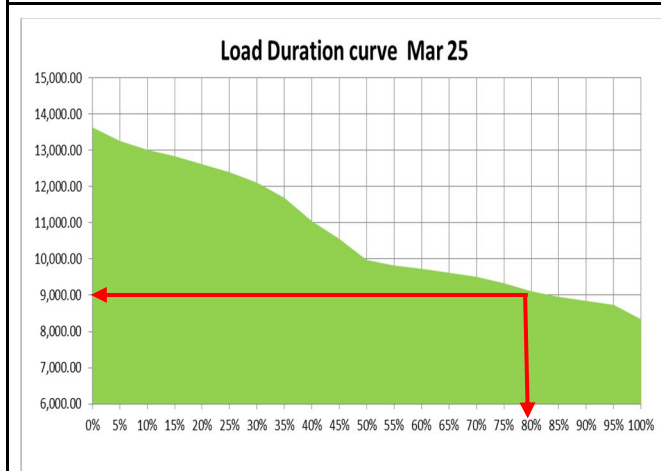
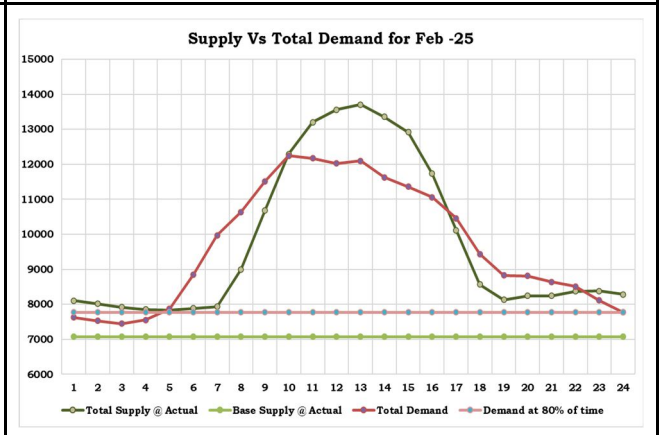
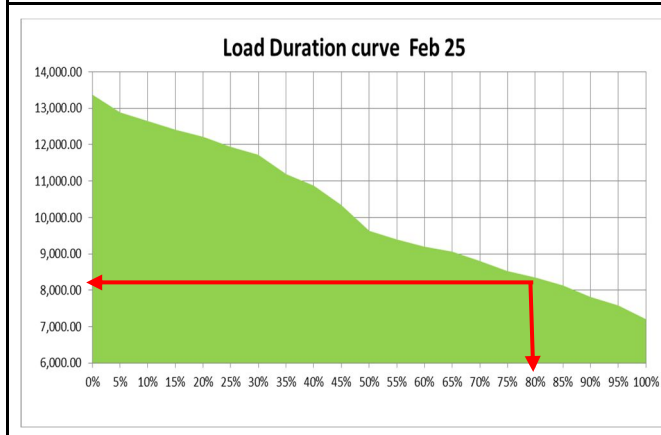
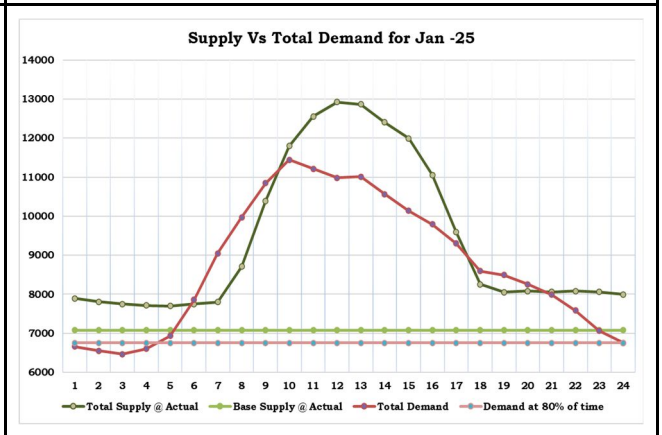
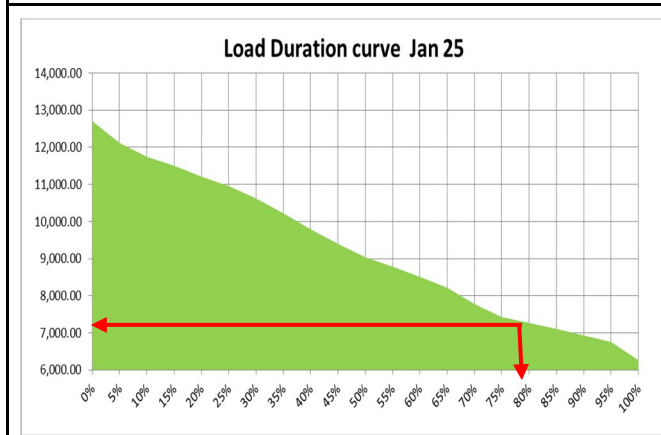
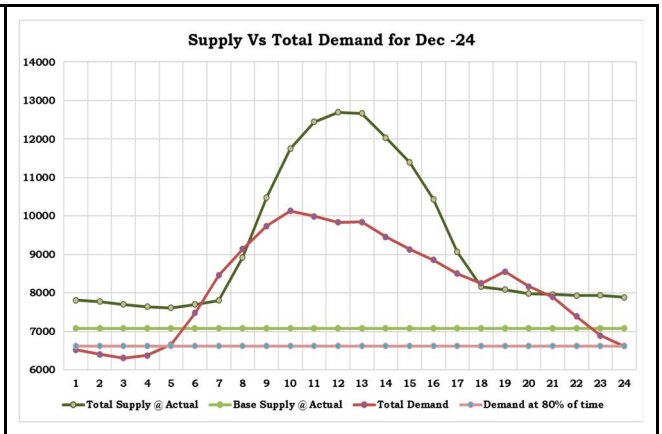
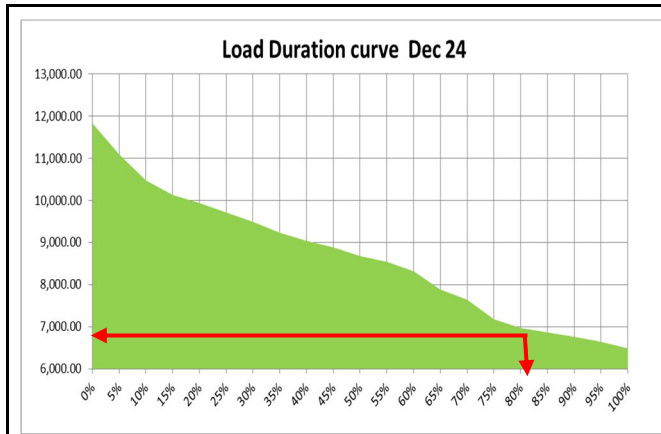
77. Keeping the discussion in the previous para in view, the Commission has made the following analysis projecting the demand and energy availability each 15-minute block-wise based on the demand and supply estimated in this Order for a whole year and each month to draw a road map for the power planning in advance for FY 2024-25. The load duration curves for a whole year and each month are drawn to arrive at the estimation of the base generation requirement. The scenario of base load at 100 per cent of the time and at 80 per cent of the time is considered. To ensure 24 x 7 supply, a 5 per cent reserve margin is also taken into account. Accordingly, the base demands are enhanced in computations to take care of the reserve margin in generation to arrive at the base shortage of generation. The base supplies include only all thermal plants whose PLFs are considered at Ex. Bus as per this Order. But, while arriving at the average shortages/surplus of energy on a Time of Day (ToD as per the RST Order) basis, the actual demand and energy on an average basis in the TOD block are taken in computations.

The load duration curve and demand and supply curve for a whole year, and for each month during FY 2024-25 are shown below.









Based on the load duration curves and base supply availability, the shortage/surplus of base generation capacity in MW for a whole year and each month at 100 per cent time of base load and 80 per cent of the time of base load are computed as shown in the Annexure-13 and the conclusion of which for a whole year and each month is shown in the table below.

Surplus/Deficit (..) of Base Generation Capacity (MW) during FY 2024-25	Whole Year FY 25
At 100% of Time of base load	852
At 80% of Time of base load	(1,483)

Surplus/Deficit (..) of Base Generation Capacity (MW) during FY 2024-25,												
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
At 100% of Time of base load	(1,328)	(838)	(1,332)	(565)	(1,324)	(950)	(448)	(29)	606	852	(141)	(770)
At 80% of Time of base load	(1,909)	(1,743)	(2,332)	(1,337)	(2,206)	(1,898)	(1,152)	(1,041)	120	(160)	(1,279)	(1,498)

As regards to the shortages shown in the above table, it is important to note that during the monsoon season and wind season, the hydel, wind, and solar generation together will contribute significantly to the shortage of base supply which was not factored in the computations. Also, if the generation is available at normative value, there could be a 770 MW capacity contribution additionally every month for base supply. These factors need to be taken care of while planning the power procurement.

Based on the demand and supply curves, the shortage/surplus of the average capacity of MW and energy in MU for a whole year and each month, Time of Day (TOD) wise are computed as shown in the Annexure-14 and summary of the same is shown in the tables below.

ToD	Surplus (Green)/Deficit (Red) for FY 2024-25 in MW											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-06	-503	149	-117	1,048	749	623	794	253	1,084	924	122	-123
06-10	-981	132	-287	438	-225	-129	1,356	426	372	-652	-1,111	-487
10-15	-1,008	-220	-191	1,028	230	203	2,646	2,387	2,597	1,768	1,492	1,900
15-18	-1,322	-840	-641	824	178	68	878	169	686	406	-175	-65
18-22	-686	-571	-689	388	-104	-552	-473	-676	-12	-13	-453	-308
22-24	-787	-449	-608	646	254	73	279	206	1,158	1,120	387	-66

Surplus (Green)/Deficit (Red) for FY 2024-25 in MU												
ToD	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-06	-91	28	-21	195	139	113	148	45	202	172	21	-23
06-10	-117	16	-35	54	-28	-15	168	51	46	-81	-124	-60
10-15	-151	-34	-29	159	36	30	410	358	403	274	209	294
15-18	-119	-78	-57	77	17	6	81	15	64	38	-14	-6
18-22	-82	-71	-82	48	-13	-66	-59	-81	-1	-2	-51	-38
22-24	-47	-28	-37	40	16	4	17	12	72	70	22	-4
Total	-608	-167	-261	573	166	72	766	401	784	471	61	163

As can be seen from the above tables, there could be surplus generation in certain TOD blocks. The DISCOMS shall make its best efforts to sell this surplus energy in the market on a real-time basis, plan swapping/banking contracts or dispose of it in the PUSHP portal. This data also could be used for planning energy storage requirements. If the DISCOMS are unable to sell the surplus energy due to cost considerations, backing down is also inevitable. The backing down cost is already factored in the payment of fixed costs. There is no objectionable thing in this as pointed out by one of the objectors since the reserve margin in generation is mandatory to meet the demand in real time, hence that may result in surplus/backing down of energy in certain time blocks in a year which could not be avoided.

RPPO of the DISCOMS:

78. As per Regulation 5 of 2022 of APERC, every distribution licensee shall purchase a minimum of 20 per cent of its consumption of energy from renewable sources at the tariff determined by the Commission under section 62 of the Electricity Act, 2003 or at the tariffs discovered through transparent bidding process under section 63 of the Electricity Act 2003 and adopted by the Commission. The following table shows the RPPO status of the DISCOMS for FY 2024-25 based on the RE power procurement, out of the total power procurement approved in this Order.

S.No.	DISCOM	SPDCL	CPDCL	EPDCL	Total
1	PPR (MU)	31,294	17,282	32,449	81,025
2	RPPO @ 20%	6,259	3,456	6,490	16,205
3	Power Procurement (MU) from Wind, Solar and Other NCE	6,789	3,749	7,039	17,578
4	Procurement from Hydel (MU)	1,497	827	1,552	3,875
5=(4+3)	Total procurement of RE (MU)	8,286	4,576	8,591	21,453
6=(5-2)	Surplus/Deficit (MU)	2,027	1,119	2,102	5,248

As can be seen from the above table, as regards the RPPO compliance, all three DISCOMS are expected to exceed the RPPO percentage specified by the Commission for FY 2024-25.

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

CHAPTER - V
AGGREGATE REVENUE REQUIREMENT

Introduction

80. In this Chapter, the Commission proposes to determine the Aggregate Revenue Requirement (ARR) for FY 2024-25 relating to the retail supply business of APSPDCL, APEPDCL, and APCPDCL based on their respective filings, as briefly referred in Chapter I, approved sales volume, power purchase requirement as determined in Chapter-III and power purchase costs as determined in Chapter-IV after considering the views/ objections/suggestions relating to the various aspects of ARR submitted in writing and expressed orally during public hearings, and the views expressed by the members in the State Advisory Committee.

DISCOMS' submission in their Filings:

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

82. **Transmission Cost:** The DISCOMS utilise the transmission network owned by the State Transmission Utility/Transmission Licensee (APTransco), for power evacuation/flow from generating stations to the distribution network for which they need to pay the transmission charges at the rates/charges determined by the Commission in the Transmission Tariff Orders. The Transmission cost projected in the filings is stated to have been as per the MYT filings of APTRANSCO for the 5th Control Period by the APSPDCL and 15 per cent over and above the cost on FY 2023-24 by APEPDCL and APCPDCL. The details are summarised and shown in the table below:

Table 43: Filing: Transmission Cost for FY 2024-25

Sl. No	Description	SPDCL	CPDCL	EPDCL	Total for three DISCOMs
1	Demand (MW)	6263.03	3278.29	5149	14690.32
2	Transmission Charge Rate (Rs/KW/Month)	216.64	238.85	216.64	
3	Transmission Cost (Rs Cr)	1628.16	939.64	1338.56	3906.36

83. **SLDC Cost:** The DISCOMS utilize the services of the State Load Despatch Centre (SLDC) for scheduling power from various generating sources to their consumers for which the DISCOMS have to pay a) Annual operating charges and b) Annual fees. The SLDC cost projected in the filings is stated to have been as per the MYT filings of APSLDC for the 5th Control Period by the APSPDCL and 15 per cent over and above

the cost on FY 2023-24 by APEPDCL and APCPDCL. The details are summarised and shown in the table below:

Table 44 : Filing: SLDC Cost for FY 2024-25

Sl.No	Description	SPDCL	CPDCL	EPDCL	Total for three DISCOMs
1	Capacity-MW	9383	5713.63	8289	23385.63
2	Annual Fees-Rs/MW/Year	7339.61	6834.99	7339.61	
3	Annual Fees-Rs Crs	6.89	3.91	6.08	16.88
4	Operating Charges-Rs/MW/Month	2571	2403.95	2571.00	
5	Operating Charge-Rs Crs	28.95	16.48	25.57	71.00
6	Total SLDC Charges	35.84	20.39	31.66	87.88

84. **Distribution Network Cost:** DISCOMS incur the distribution network cost for the transfer /wheeling of energy to the consumers through its network from the interface point with Transco's network. The Distribution Cost projected by DISCOMS is stated to have been as per their MYT filings for the 5th Control Period. The details are summarised and shown in the table below:

Table 45 : Filing: Distribution Cost for FY 2024-25.

Sl. No	Item	SPDCL	CPDCL	EPDCL	Total for three DISCOMs
1	Distribution Network Cost (Rs Cr)	4490.33	2161.32	2862.77	9,514.42

85. **PGCIL and ULDC Cost:** The DISCOMS utilise the network of the Central Transmission Utility (CTU) and other ISTS licensees /Power Grid Corporation of India (PGCIL), and services of the Unified Load Despatch Centre (ULDC) for supplying power to its consumers from the Central Generating Stations (CGS) and IPPs connected to CTU if any. The PGCIL and ULDC SLDC costs projected in the filings are stated to have been as per the CERC Regulations by APSLDC and 15 per cent over and above the cost on FY 2023-24 by APEPDCL and APCPDCL. The details are summarised and shown in the table below

Table 46: Filings: PGCIL and ULDC Charges for FY 2024-25

Sl. No	Item	SPDCL	CPDCL	EPDCL	Total for three DISCOMs
1	PGCIL-Cost-Rs Crs	697.59	402.62	624.8	1725.01
2	ULDC Cost-Rs Crs	1.47	0.85	1.32	3.64

86. **Power Purchase Cost:** The power purchase costs arrived at by the DISCOMs based on the sales estimates for FY 2024-25 are summarized in the table below for each DISCOM and for all three DISCOMS put together.

Table 47: Filings: Power Purchase Cost for FY 2024-25

Sl. No	Item	SPDCL	CPDCL	EPDCL	Total for three DISCOMs
1	Power Purchase Cost (Rs. Cr.)	15,094.14	8,459.24	15,464.22	39,017.60

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

Table 48 : Filings-Interest Cost on Consumer Security Deposits for FY 2024-25 (Rs. Cr.)

Sl. No	Particulars	SPDCL	CPDCL	EPDCL	Total
A	Opening Balance	2534.46	1667.75	2845.79	7048.00
B	Additions during the Year	488.19	296.95	407.00	1192.14
C	Deductions during the Year	121.28	116.29	88.00	325.57
D	Closing Balance	2901.37	1848.41	3164.79	7914.57
E	Average Balance (A+D)/2	2717.92	1758.08	3005.29	7481.29
F	Interest @ % per annum	6.50%	6.50%	6.50%	6.50%
G	ICD Cost-Rs Crs (E*F)	176.66	114.28	195.34	486.28

88. **Additional interest on pension bonds:** The additional interest on pension bonds that needs to be payable to Master Trust for rendering pensions to the employees of all power utilities estimated by each DISCOM and three DISCOMS together are given in the table below:

Table 49: Filing: Additional interest on pension bonds (Rs. Cr.)

Sl.No	Item	SP	CP	EP	Total DISCOMs
1	Addl. Interest on Pension Bonds-Rs Crs	521.11	291.69	533.73	1346.53

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

Table 50: Filing- Retail Supply margin for FY 2024-25 (Rs. Cr.)

Sl. No.	Particulars	SPDCL	CPDCL	EPDCL	Total
1	Retail Supply Margin-Rs Crs	40.16	23.72	19.24	83.12

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

Table 51: Filings: Other Costs for FY 2024-25 (Rs. Cr.)

Sl.No.	Particulars	SPDCL	CPDCL	EPDCL	TOTAL
1	Off Grid Solar Pumpsets	19.93	50.67	14.79	85.39
2	Energy Efficient Pumpsets	28.17	83,51	15.28	126.96
3	Domestic LED Lighting Programme-DELP			2.63	2,63
4	Compensation for victims of electrical accidents	10	4	10	24
5	DBT Returned for FY 2021-22 in RSTO-2023-24	115.69	0	47.54	163.23
	Total	173.79	138.18	90.24	402.21

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

Table 52: Filings: ARR for FY 2024-25 (Rs. Cr.)

Sl.No.	Item	SPDCL	CPDCL	EPDCL	Total
1	Transmission Cost	1,628.16	939.64	1,338.56	3,906.36
2	SLDC Cost	35.84	20.39	31.66	87.88
3	Distribution Cost	4,490.33	2,161.32	2,862.77	9,514.41
4	PGCIL Expenses	697.59	402.62	624.8	1,725.00
5	ULDC Charges	1.47	0.85	1.32	3.65
6	Network and SLDC Cost (1+2+3+4+5)	6,853.39	3,524.82	4,859.11	15,237.30
7	Power Purchase / Procurement Cost	15,094.14	8,459.24	15,464.22	39,017.60
8	Interest on Consumer Security Deposits	176.66	114.27	195.34	486.28
9	Supply Margin in Retail Supply Business	40.16	23.72	19.24	83.12
10	Other Costs, if any	173.79	138.18	90.24	402.21
11	Additional Interest on pension bonds	521.11	291.69	533.73	1,346.53
12	Supply Cost (7+8+9+10+11)	16,005.86	9,027.10	16,302.77	41,335.74
13	Aggregate Revenue Requirement (6+12)	22,859.25	12,551.92	21,161.88	56,573.04

VIEWS/OBJECTIONS/SUGGESTIONS & RESPONSE OF DISCOMS

92. The relevant views, objections and suggestions, and the responses of the DISCOMs to the projection of various costs by the DISCOMs are detailed in the following paragraphs.

- a. The Federation of Andhra Pradesh Chamber of Commerce & Industry (FAPCCI) stated that the escalation of 15% by Southern and Eastern DISCOMs and 27% by Central DISCOM towards Transmission and SLDC Tariff seems to be highly exaggerated and if approved, the same would cause a grave financial impact on the retail ARR. AP Chamber of Commerce & Industries Federation stated that transmission and network costs are too high and should be scrutinised for details. Mansi Singh Advocate representing the South Indian Cement Manufacturers Association & FAPCCI stated that Transmission & SLDC charges are not calculated uniformly and that the DISCOMs have proposed an arbitrary escalation.

DISCOMs' Response: Due to the non-availability of finalised proposed Transmission charges for the 5th Control period by AP Transco as of the date of preparation of RSB ARR for the FY 2024-25 by the DISCOMs, they have taken costs on assumptions and they are provisional subject to final determination of costs by APERC.

- b. FAPCCI and AP Chamber of Commerce and Industry Federation stated that the *per unit Distribution Costs* for all 3 Discoms are at significant variance from each other. The Distribution Tariffs claimed by DISCOMs are significantly higher to the prevailing levels which would contribute to a significantly higher cost of service. The escalation across different voltage levels ranges between 2 and 80% across DISCOMs. Such a Tariff seems to be highly exaggerated and if approved would cause a grave financial impact on the retail ARR. Hence, the Distribution Tariff may be approved in a manner that the consumers across the DISCOMs are not burdened. They have furnished the distribution cost as per their assessment.

DISCOMs' Response: The distribution cost and wheeling charges are computed as per the procedure followed in previous orders approved by APERC for distribution business and hence the same are allowable. The objector's assessment of allowable distribution cost is not justified.

- c. APSEBAEEs' Association stated that Network cost has increased from Rs 1.70/kWh in the FY 2021-22 to Rs 2.14/kWh in the Year 2023-24. At this juncture, DISCOMs are making huge investments in the form of RDSS with inflated costs of materials. This will further increase the network cost and the same in turn increase the COS per kWh, which will throw the APDISCOMs into a severe financial crisis. Therefore, unnecessary investments may be avoided

and DISCOMs also shall make available the details of the investments of RDSS and the impact of the same on COS in the public domain.

DISCOMs' Response: The Ministry of Power has launched the Revamped Distribution Sector Scheme, (a Reforms-based and Results-linked Scheme) intending to improve the quality, reliability and affordability of power supply to consumers through a financially sustainable and operationally efficient distribution sector. This scheme includes Pre-paid Smart Metering, System Metering and Distribution infrastructure works for loss reduction and modernization. The investments under this scheme are taken into account while preparing MYT & ARR filings.

- d. FAPCCI has stated that no provisions of the CERC Tariff Regulations 2014/ 2019 allow the Generating company/ Transmission Licensee to recover the Generation/ Transmission arbitrarily in the absence of a Tariff Order. The claim made by the AP DISCOMs towards PGCIL Expenses is not warranted in the first place. Because of the aforesaid, the escalation rate of 15% as considered by the DISCOMs is not admissible and is liable to be rejected.

DISCOMs' Response: The Basis for the cost projections towards PGCIL's network is given below:

- i. CERC (Connectivity and General Network Access Regulations), 2022 came into effect from 01.10.2023 (billing month from December 23). As per the regulations, the Deemed GNA quantum for AP is given as 4516 MW. The deemed GNA quantum was calculated by taking the average of the State's peak draws for three years i.e. FY 2018-19, 2019-20, 2020-21.
 - ii. As per the amended sharing regulations, the ISTS/PGCIL charges now be shared in proportion to the state's GNA quantum after excluding the eligible exemptions, which were previously apportioned as per the State's total LTA quantum minus the RE-LTA. The Net MW LTA then was around 1600 MW monthly on average.
 - iii. The projections were done by considering the Actual Cost incurred for October 23 and November 23 billing months and taking the projected monthly cost for the remaining 4 months of H2 of FY 2023-24. Based on the above, it works out to be Rs 1788.67 Crs, which is nearly 20% higher than the cost of FY2023-24, and however, the projected cost filed before the Commission has been escalated by 15% only because the actual costs might vary when the billing starts as per the new regulations.
- e. FAPCCI stated that APDISCOMs have claimed an amount of Rs 1346.53 Crs under additional Interest on pension Bonds. The expenses for FY 2024-25 under this head have been projected arbitrarily without any rationale and are not supported by any documentary evidence. Furthermore, the Commission has

been allowing the said expenses to be recovered in entirety from the DISCOMs outside the power purchase costs. But this appears to be a part of the fixed cost of AP Genco and accordingly needs to be linked to the percentage of actual availability.

DISCOMs' Response: The liability was vested with the APGENCO through a statutory transfer scheme vide G.O.Ms.No.11, Dt.30.01.2000. The APERC has been allowing the commitment from time to time since 01.02.1999.

- f. FAPCCI stated that the AP DISCOMs have claimed Other expenses to the extent of Rs 402 Crs. The DISCOMs should strive to achieve Zero Accident Policy and any expenses towards such claims should not be admitted.
- g. Sri. M.Venugopala Rao stated that since the DISCOMs are not showing payment of fixed charges separately for the power to be backed down, it implies that they have factored the fixed charges to be paid for backing down in the fixed charges projected to be paid for the power purchase proposed by them. This practice is objectionable. The DISCOMs should show backing down costs. The backed-down costs on account of accommodating must-run NCE plants are to be distinctly derived and included in the ARR.

DISCOMs' Response: While selling surplus power in the market, APDISCOMs are considering all the financial implications due to the backing down of generating stations and considerable realization of revenue on selling in the real-time market prices. Further, the fixed Charges are paid in strict compliance with the normative availability as per the certification by APSLDC in respect of state generating stations and as per certification by SRPC/SRLDC in respect of Central Generating Stations.

- h. **FAPCCI stated that** the additions of the consumer security deposit and the basis of projecting the same during the year are not substantiated by the DISCOMs. It is gathered from the books of accounts of APDISCOMs that the Liability towards the Interest on Consumer Security Deposit booked during the current year is discharged in the subsequent year which should not happen. In the instant case, the Licensee gets to carry the amount of Interest with itself for one year without incurring any cost which is against the principles of reasonable cost recovery. Further, the basis of projecting the additions during the year is not substantiated by the Petitioner. Given the above, the Interest on the Consumer Security Deposit claimed by the Petitioner for FY 2023-24 (H1 actuals and H2 estimated) should be admitted by the Hon'ble Commission for FY2024-25.

Response of DISCOMs: The licensee is proposing interest on the consumer security deposit on the average of the opening and closing balances for the year under consideration. The objector is proposing to admit the actuals of H1 of the

previous year and H2 estimated for the subsequent year, which is incorrect and unjustified.

Commission's View, Analysis, and Decision

93. After carefully examining the objections/views/suggestions and responses of the DISCOMS as discussed above, the Commission proposes to finalise each item of ARR, as detailed in the following paragraphs. The Commission would express its opinion on the objections at appropriate places while finalising each item of ARR.

94. **Transmission, SLDC and Distribution Costs: The** Commission is in the process of scrutinising and determining the tariffs of Transmission & SLDC businesses of the State Transmission utility (STU)-AP Transco and Distribution Business of DISCOMS for the 5th Control period. Therefore, all the objections on Transmission, SLDC and Distribution costs will be kept in view while finalising the MYT Orders for the 5th CP. Based on a preliminary examination, the Commission is inclined to approve the charges, as shown below to avoid the possible FPPCA true-up if the same is reduced. However, the difference (up / down) between the MYT Orders for the fifth Control Period to be issued by the Commission and the tentative costs considered in this Order for FY 2024-25, will be adjusted in the ARR of the licensees of the next tariff year. Accordingly, the Charges are computed.

a. **Transmission Costs:** The Transmission costs for three DISCOMS are computed based on the particulars furnished in the filings as shown below.

1	System Peak Demand-MW	15226
2	OA Capacity-MW	373
3	Net Peak Demand Chargeable to DISCOMs-MW	14853
4	Proposed Transmission Tariff-Rs/KW/Month	221.17
	Transmission Cost -DISCOMs (Rs Crs)	3942.05

Transmission costs so computed above are allocated to three DISCOMs based on their energy drawal for FY 2024-25 approved in this order as per Regulation 2 of 2023 as shown in the table below.

Cost Item/DISCOM	SPDCL	CPDCL	EPDCL	Total for three DISCOMs
Transmission Cost (Rs Crs)	1,522.53	840.82	1,578.69	3,942.05

b. **SLDC Cost:** The SLDC costs for three DISCOMS are computed based on the particulars furnished in the filings as shown below.

Table 53: Approved SLDC Costs for FY 2024-25

Sl.No	SLDC Charges	
1	Installed Capacity of Generation -MW	24480
2	OA-Capacity-MW	373
3	Capacity Chargeable to DISCOMs-MW	24107
4	Proposed Annual Fees-Rs/MW/Year	13492.65
5	SLDC-Annual Fees-Rs Crs	32.53
6	Proposed Operating Charges-Rs/MW/Month	2631.06
7	SLDC-Operating Charges-Rs Crs	76.11
8	Total SLDC Charges-Rs Crs	108.64

SLDC costs so computed above are allocated to three DISCOMs based on their energy drawal for FY 2024-25 approved in this order as per Regulation 2 of 2023 as shown in the table below.

Cost Item/DISCOM	SPDCL	CPDCL	EPDCL	Total for three DISCOMs
SLDC-Rs CRs	41.96	23.17	43.51	108.64

- c. **Distribution Costs:** The distribution cost for FY 2024-25 as proposed by the DISCOMs is lesser than the Distribution cost approved for FY 2023-24 as shown below.

Sl. No.	Item/DISCOM	SPDCL	CPDCL	EPDCL	Total for three DISCOMs
1	Approved Net Distribution Cost in RSTO-FY 2023-24 (Rs Crs)	4414.29	2578.15	3351.66	10344.10
2	Proposed Net Distribution Cost in ARR for FY 2024-25 (Rs Crs)	4,490.33	2,161.32	2,862.77	9,514.41
3	Difference-Rs Crs (3=2-1)	76.04	-416.83	-488.89	-829.69

As per the 5th Amendment recently issued on 07.02.2024 to Regulation 4 of 2005 by the Commission, the total distribution cost of DISCOM is to be segregated into two components. One is the distribution cost attributable to the network business and the other is the cost attributable to the Supply Business in the ratios mentioned below in the absence of actual segregation ratios.

Particulars	Distribution / Wires Business (%)	Retail Supply Business (%)
Power Purchase Expenses	0%	100%
Intra-State, Inter-State Transmission & LDC Charges	0%	100%
Employee Expenses	60%	40%
Administration & General Expenses	30%	70%
Repair & Maintenance Expenses	90%	10%
Depreciation	90%	10%
Interest on Long-term Capital Loan	100%	0%
Interest on Working Capital	10%	90%
Interest on consumer security deposits	0%	100%
Bad Debts Written off	0%	100%
Income Tax	90%	10%
Contingency reserves, if any	100%	0%
Return on Equity/Business margin	90%	10%

Accordingly, the Commission computed the costs as shown below.

Sl. No	Item/DISCOM	SPDCL	CPDCL	EPDCL	Total for three DISCOMs	%
1	Total Distribution Cost (Rs Crs)	4,490.33	2,161.32	2,862.77	9,514.41	100%
2	Distribution Cost - Network Business (Rs Crs)	3,143.58	1,501.74	1,690.51	6,335.83	66.60%
3	Distribution Cost- Supply Business (Rs Crs)	1346.42	659.58	1172.49	3,178.49	33.40%

95. **PGCIL & ULDC Costs:** The DISCOMS which are drawing power from Central Generating Stations (CGS) located in our state or outside the state connected to the Inter-State Transmission System (ISTS) are bound to pay the ISTS charges as per the regulations approved by the CERC. The determination of ISTS charges is not under the purview of this Commission. There are no merits in the objections in this regard. These charges will be true up/down every month based on the actuals as per the Regulations in vogue. Therefore, with due consideration of the response submitted by the DISCOMs to the objections in this regard and actual costs incurred by APDISCOMs till December 2023 towards PGCIL charges and all relevant factors, the

Commission is inclined to approve Rs 120 Crs per month towards PGCIL charges for FY 2024-25. Accordingly, the PGCIL /ISTS charges, allocated to the three DISCOMs based on their energy drawal approved for FY 2024-25 as per Regulation No. 2 of 2023 are shown in the table below.

Item	SPDCL	CPDCL	EPDCL	Total
PGCIL Cost (Rs Crs)	556.17	307.15	576.69	1,440.00

The Commission is inclined to approve the ULDC charges as filed by the DICOMS. Which are as under.

Item	SPDCL	CPDCL	EPDCL	Total
ULDC Charges (Rs Crs)	1.47	0.85	1.32	3.64

96. **Power Purchase Costs:** As detailed in Chapter IV of this order, the power purchase costs approved by the Commission for FY 2024-25 are shown in the table below:

Sl. No	Item	SPDCL	CPDCL	EPDCL	Total
1	Power Purchase Cost (Rs. Cr.)	14,707.55	8,122.33	15,250.12	38,080.00

As regards the contention of one of the stakeholders that the backed down costs on account of accommodating must run NCE plants to be distinctly derived and included in the ARR, it may be noted that the fixed cost payable to thermal generators is for their declared availability or readiness to generate. The Scheduling & Despatch is being done on a 15-minute time block basis. Backing down of thermal generators is inevitable in any system and must-run status is granted to RE plants to utilise this environment-friendly energy as and when produced because the generation of RE is completely nature-dependent. The promotion of efficient and environmentally benign policies is one of the objectives stated in the preamble of the Electricity Act 2003. The backing-down costs are already subsumed in the estimation of fixed costs hence there is no requirement to show backing-down costs on account of RE separately in the ARR.

97. **Additional interest on pension bonds:** Additional pension liability in terms of additional interest on pension bonds is being allowed for several years. Some objectors stated that the projection of additional interest on pension bonds is arbitrary. This is vested with the APGENCO. The Commission is in the process of finalising the AP Genco MYT order for FYs 2025-29. Pending the finalisation of different costs including additional pension liability commitment in AP Genco MYT order, the Commission is inclined to approve the additional interest on pension bonds as filed subject to adjustment in the next financial year based on the approval in MYT Order. All the

objections in this regard will be kept in view while finalising this item in the MYT tariffs of APGENCO.

98. **Interest on Consumer Security Deposits (ICSD):** As regards the objection by FAPCCI in this regard, the response of the DISCOMS is satisfactory. Further, it may be noted that all the items in ARR approved are based on estimates which are again subject to True up/down as per Regulations in vogue. As per Clause 7.1 of APERC (Security Deposit Code) Regulation, 2004 (Regulation No. 6 of 2004), the licensees shall pay interest on the security deposit of a consumer at the bank rate notified by the Reserve Bank of India, provided that the Commission may specify a higher rate of interest from time to time by notification in the official gazette. Accordingly, the Commission has recomputed the ICSD amounts for three licensees for the FY2024-25 at the interest rate of 6.75 % as published in the RBI Bulletin, February 2024 even though the DISCOMs have adopted a lesser percentage of 6.5% of the rate of interest. The interest on consumer security deposits computed by the Commission for each DISCOM is shown in the table below:

Table 54: Approved Interest Cost on Consumer Security Deposits for FY2024-25 (Rs. Cr.)

Sl. No.	Item-Rs Crs	CPDCL	EPDCL	SPDCL	Total DISCOMs
1	Opening Balance	1667.75	2845.79	2534.46	7048
2	Additions during the Year	296.95	407	488.19	1192.14
3	Deductions during the Year	116.29	88	121.28	325.57
4	Closing Balance	1848.41	3164.79	2901.37	7914.57
5	Average Balance (A+D)/2	1758.08	3005.29	2717.92	7481.29
6	Interest @ % per annum	6.75%	6.75%	6.75%	6.75%
7	ICD Cost-Rs Crs (E*F)	118.7	202.9	183.5	505.0

99. **Supply Margin on Retail Supply Business:** DISCOMs have claimed the retail supply margin as per the existing practice of a 2% return on the equity portion of the annual RRB approved. Since Distribution MYT filings of DISCOMs are simultaneously presented along with Retail Supply ARR filings, the DISCOMs have taken the proposed RRB for FY 2024-25 as the basis for claiming Retail Supply Margin. The Commission has issued a 5th amendment to Regulation 4 of 2005. As per this Regulation, the Return on Equity/Business margin is to be shared between the Distribution/Wires Business and Supply Business in the ratio of 90:10. As already stated supra, the

entire distribution cost as filed by the DISCOMs in their MYT proposals for FY2024-25 is tentatively taken into account for approval and the return on equity is also tentatively approved by the Commission subject to the final correction in ARR of next financial year based on the Distribution MYT orders to be issued as shown below.

Cost Item/DISCOM	SPDCL	CPDCL	EPDCL	Total for three DISCOMs
Supply Margin in Retail Supply Business	15.39	18.98	15.39	49.76

100. **Other Costs:** Since these costs are stated to be incurred on EE & EC activities and towards other activities as approved by the Commission, the same has been approved as filed subject to final adjustments in the ARR of the next financial year based on the actuals. Since all these costs are approved tentatively, the Commission would not like to express its views on the objections in this regard.
101. As per clause 10.5 of the latest 5th Amendment to APERC Regulation 4 of 2005 which was issued after the filing date, the gains/losses shall pass through due to variations in “uncontrollable” items of the (n-2) year ARR in the nth year of ARR. Accordingly, the DISCOMs have furnished information for FY 2022-23 to be included in the ARR for FY 2024-25 as per the Regulation. Based on the information furnished by the DISCOMS, the Commission provisionally determined Pass through Gains/Losses due to variations in “uncontrollable” items of the ARR for FY 2022-23 in this ARR for FY2024-25 as shown below.

Table 55: Provisionally estimated Uncontrollable ARR Items of FY 2022-23

Description	SPDCL	CPDCL	EPDCL	TOTAL for three DISCOMS
Sale of Electricity to the Consumers	634.64	541.78	-521.36	655.06
Interest on Consumer Security Deposit	25.88	27.44	24.46	77.78
Additional Interest on Pension Bonds	93.51	37.91	50.13	181.55
Force Majeure	13.22	0	0.38	13.6
Total	767.25	607.13	-446.39	927.99

The costs determined above are subject to final corrections while true up/down for the Total business of DISCOMS after completion of the 4th control period by 31.03.2025. The DISCOMS may file the True-up/down petitions for total business immediately after the end of the 4th control period as and when the audit figures are available. In addition to the above, DISCOMS also furnished the Power purchase cost variations for FY 2022-23 and the same have not been included in the above since the regulations in vogue provide for a separate dispensation to pass through the same

quarterly in the form of FPPCA. The DISCOMS have already filed FPPCA claims for FY2022-23 for all four quarters which are under scrutiny by the Commission.

102. As per clause 10.5 of the 5th Amendment to APERC Regulation 4 of 2005 which was issued after the filing date, the Bad and doubtful debts in the ARR shall be allowed based on the actual written-off bad debts in the past 5 years as per the audited financial statements to the extent the Commission considers them appropriate subject to a ceiling limit of 1% of the yearly revenue at the discretion of the Commission and the cumulative bad debts shall not exceed 3 percent of the yearly revenue for the ARR under consideration and after the write-off of a particular bad debt, if revenue is realised from such a bad debt, the same shall be included as income under the Non-Tariff Income of that year. Accordingly, the DISCOMs have furnished information as per Regulation. After examining the information furnished, it is observed that the Bad debts written off during the past five years are within the range of 1% of the yearly revenue of FY 2024-25 as envisaged in the Regulation. Hence, the provision for bad & doubtful debts is tentatively approved in the ARR of the DISCOMs for FY 2024-25 as below:

Cost Item/DISCOM	SPDCL	CPDCL	EPDCL	TOTAL for three DISCOMS
Provision for Bad Debts	148.36	28.39	3.63	180.38

However, the DISCOMs are directed to submit the full details of Bad & Doubtful debts written off in the past five years of all cases with detailed reasons and Board resolutions if any in this regard and Audit certificate by the statutory auditor of the Company to the Commission within two months from the date of the issue of this order for prudent check and further corrections if any required to be taken by the Commission on the tentatively admitted amounts as shown above.

103. As per clause 10.5 of the 6th Amendment to APERC Regulation 4 of 2005 which was issued after the filing date, the Working Capital requirement for Supply Business for the year shall be considered as being equal to One and a half months (45 days) of expected PP cost for the ensuing year plus 60 days of average FPPCA amount of the current year, Minus Amount held as security deposit from retail supply consumers as of 31st March of the current year. Accordingly, based on the information available with the Commission, and considering the interest rate for working capital as 1% above the Interest on Debt taken by DISCOMs for FY 2024-25 in their respective MYT Filings, the allowable interest on the working capital requirement in Supply Business for FY 2024-25 is worked out as shown below to be allowed as part of ARR of DISCOMs for FY 2024-25.

Sl.No	Item/DISCOM	SPDCL	CPDCL	EPDCL	TOTAL
1	45 Days of PP Cost including Transmission & LDC	2074.88	1145.87	2151.43	5372.18
2	Average FPPCA for previous Year for 60 Days @ (Average Rate till December-2023)	472.99	258.79	478.34	1210.11
3	Opening Balance of Amount held in Security Deposit	2534.46	1667.75	2845.79	7048.00
4	Working Capital Requirement for Retail Supply Business: (1+2-3)	13.41	-263.10	-216.03	-465.71
5	Interest rate considered	9.67%	11.80%	10.05%	
6	Interest on Working Capital for Retail Supply Business	1.30	0.00	0.00	1.30

104. Based on the above discussion, the Commission approves the ARR for FY 2024-25 as shown in the table below:

Table 56: Approved: ARR for FY 2024-25 (Rs. Cr.)

Sl. No	Revenue Requirement Item (Rs. Crs.)	SPDCL	CPDCL	EPDCL	TOTAL
1	Transmission Cost	1,522.53	840.82	1,578.69	3,942.05
2	SLDC Cost	41.96	23.17	43.51	108.64
3	Net Distribution Cost - Transferred to RSB	3,143.58	1,501.74	1,690.51	6,335.83
4	PGCIL Expenses	556.17	307.15	576.69	1,440.00
5	ULDC Charges	1.408	0.778	1.460	3.65
6	Network and SLDC Cost. (1+2+3+4+5)	5,265.64	2,673.67	3,890.85	11,830.16
7	Power Purchase / Procurement Cost	14,707.55	8,122.33	15,250.12	38,080.00
8	Distribution Cost attributable to Retail Supply Business	1346.42	659.58	1172.49	3,178.49
9	Interest on Consumer Security Deposits	183.5	118.7	202.9	504.99
10	Supply Margin in Retail Supply Business	15.39	18.98	15.39	49.76
11	Interest on Working Capital	1.30	0	0	1.30
12	Provision for bad debts	148.36	28.39	3.63	180.38
13	N-2 Year (FY 2022-23): Uncontrollable Items-Pass Through-Provisional	767.25	607.13	-446.39	927.99
14	Additional Interest on pension bonds	521.11	291.69	533.73	1,346.53
15	Any other relevant expenditure as admissible	173.79	138.18	90.24	402.21
16	Supply Cos 7+8+9+10+11+12+13+14+15	17,864.64	9,984.94	16,822.07	44,671.65
17	Aggregate Revenue Requirement (ARR) (6+16)	23,130.28	12,658.61	20,712.92	56,501.80

105. The comparison between the ARR filed by the DISCOMS and the ARR approved by the Commission for each DISCOM and three DISCOMS together are shown in the tables below:

Table 57: APSPDCL Filing & Approved: ARR for FY 2024-25 (Rs. Cr.)

Sl. No.	Revenue Requirement Item (Rs. Crs.)	Filed	Approved	Difference = Approved-Filed
1	Transmission Cost	1,628.16	1,522.53	-105.63
2	SLDC Cost	35.84	41.96	6.12
3	Net Distribution Cost - Transferred to RSB	4,490.33	3,143.58	-1,346.75
4	PGCIL Expenses	697.59	556.17	-141.42
5	ULDC Charges	1.47	1.41	-0.06
6	Network and SLDC Cost. 1+2+3+4+5	6,853.39	5,265.64	-1,587.75
7	Power Purchase / Procurement Cost	15,094.14	14,707.55	-386.59
8	Distribution Cost attributable to Retail Supply Business	—	1,346.42	1,346.42
9	Interest on Consumer Security Deposits	176.66	183.46	6.80
10	Supply Margin in Retail Supply Business	40.16	15.39	-24.77
11	Interest on Working Capital	—	1.30	1.30
12	Provision for bad debts	—	148.36	148.36
13	N-2 Year (FY 2022-23): Uncontrollable Items-Pass Through-Provisional	—	767.25	767.25
14	Additional Interest on pension bonds	521.11	521.11	0.00
15	Any other relevant expenditure as admissible	173.79	173.79	0.00
16	Supply Cost (7+8+9+10+11+12+13+14+15)	16,005.86	17,864.64	1,858.78
17	Aggregate Revenue Requirement (ARR) 6+16	22,859.25	23,130.28	271.03

Table 58: APCPDCL Filing & Approved ARR for FY 2024-25 (Rs. Cr.)

Sl. No	Revenue Requirement Item (Rs. Crs.)	Filed	Approved	Difference = Approved-Filed
1	Transmission Cost	939.64	840.82	-98.82
2	SLDC Cost	20.39	23.17	2.78
3	Net Distribution Cost - Transferred to RSB	2,161.32	1,501.74	-659.58
4	PGCIL Expenses	402.62	307.15	-95.47
5	ULDC Charges	0.85	0.78	-0.07
6	Network and SLDC Cost. 1+2+3+4+5	3,524.82	2,673.67	-851.15
7	Power Purchase / Procurement Cost	8,459.24	8,122.33	-336.91
8	Distribution Cost attributable to Retail Supply Business	---	659.58	659.58
9	Interest on Consumer Security Deposits	114.27	118.67	4.40
10	Supply Margin in Retail Supply Business	23.72	18.98	-4.74
11	Interest on Working Capital	----	0.00	0.00
12	Provision for bad debts	-----	28.39	28.39
13	N-2 Year (FY 2022-23): Uncontrollable Items-Pass Through-Provisional	----	607.13	607.13
14	Additional Interest on pension bonds	291.69	291.69	0.00
15	Any other relevant expenditure as admissible	138.18	138.18	0.00
16	Supply Cost 7+8+9+10+11+12+13+14+15	9,027.10	9984.94	957.84
17	Aggregate Revenue Requirement (ARR) 6+16	12,551.92	12,658.61	106.69

Table 59: APEPDCL Filing & Approved: ARR for FY 2024-25 (Rs. Cr.)

Sl. No	Revenue Requirement Item (Rs. Crs.)	Filed	Approved	Difference = Approved-Filed
1	Transmission Cost	1,338.56	1,578.69	240.13
2	SLDC Cost	31.66	43.51	11.85
3	Net Distribution Cost - Transferred to RSB	2,862.77	1,690.51	-1,172.26
4	PGCIL Expenses	624.80	576.69	-48.11
5	ULDC Charges	1.32	1.46	0.14
6	Network and SLDC Cost. 1+2+3+4+5	4,859.11	3,890.85	-968.26
7	Power Purchase / Procurement Cost	15,464.22	15,250.12	-214.10
8	Distribution Cost attributable to Retail Supply Business		1,172.49	1,172.49
9	Interest on Consumer Security Deposits	195.34	202.86	7.52
10	Supply Margin in Retail Supply Business	19.24	15.39	-3.85
11	Interest on Working Capital		0.00	0.00
12	Provision for bad debts		3.63	3.63
13	N-2 Year (FY 2022-23): Uncontrollable Items-Pass Through-Provisional		-446.39	-446.39
14	Additional Interest on pension bonds	533.73	533.73	0.00
15	Any other relevant expenditure as admissible	90.24	90.24	0.00
16	Supply Cost 7+8+9+10+11+12+13+14+15	16,302.77	16,822.07	519.03
17	Aggregate Revenue Requirement (ARR) 6+16	21,161.88	20,712.92	-449.23

Table 60: All DISCOMs Filing & Approved: ARR for FY 2024-25 (Rs. Cr.)

Sl. No	Revenue Requirement Item (Rs. Crs.)	Filed	Approved	Difference = Approved-Filed
1	Transmission Cost	3,906.36	3,942.05	35.69
2	SLDC Cost	87.89	108.64	20.75
3	Net Distribution Cost - Transferred to RSB	9,514.42	6,335.83	-3,178.59
4	PGCIL Expenses	1,725.01	1,440.00	-285.01
5	ULDC Charges	3.64	3.65	0.01
6	Network and SLDC Cost (1+2+3+4+5)	15,237.32	11,830.16	-3,407.16
7	Power Purchase / Procurement Cost	39,017.60	38,080.00	-937.60
8	Distribution Cost attributable to Retail Supply Business	0.00	3,178.49	3,178.49
9	Interest on Consumer Security Deposits	486.27	504.99	18.72
10	Supply Margin in Retail Supply Business	83.12	49.76	-33.36
11	Interest on Working Capital	0.00	1.30	1.30
12	Provision for bad debts	0.00	180.38	180.38
13	N-2 Year (FY 2022-23): Uncontrollable Items-Pass Through-Provisional	0.00	927.99	927.99
14	Additional Interest on pension bonds	1,346.53	1,346.53	0.00
15	Any other relevant expenditure as admissible	402.21	402.21	0.00
16	Supply Cost (7+8+9+10+11+12+13+14+15)	41,335.73	44,671.65	3335.92
17	Aggregate Revenue Requirement (ARR) 6+16	56,573.05	56,501.80	-71.25

CHAPTER - VI

COST OF SERVICE

Introduction

106. The Commission, in this chapter, proposes to compute the indicative Cost of Service (CoS) for different- voltage levels for each licensee based on the ARR determined for FY2024-25.

DISCOMS' Filings

107. As per the Commission's methodology for estimating the Cost of Service for the last few years, the DISCOMS have estimated the Cost of Service at different voltages as given below:

Table 61: Filings – Cost of Service for FY 2024-25 (Rs./ Unit)

Sl. No.	Particulars	SPDCL	CPDCL	EPDCL	Three licensees together
1	For LT Level	8.29	8.00	7.38	7.90
2	For 11kV Level	7.87	7.70	7.13	7.54
3	For 33 kV Level	7.61	7.46	6.89	7.30
4	For 132 kV Level and above	7.37	7.23	6.66	6.98
5	Average cost of service (ACoS) of the Company	7.97	7.85	7.09	7.59

Commission's view, analysis and Decision

108. As was done in the earlier years, the computation of cost of service (CoS) is done for FY 2024-25 as detailed below:

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

Table 62: Approved Energy Sales for FY2024-25 (MU)

Particulars	APSPDCL	APCPDCL	APEPDCL	Three licensees together
Sales at LT Level	16233.00	11065.69	14638.25	41936.94
Sales at 11kV Level	2432.66	1737.11	2704.67	6874.44
Sales at 33 kV Level	3143.58	1681.04	3083.32	7907.94
Sales at 132 kV	6350.84	865.24	9117.66	16333.74
Total Sales	28160.08	15349.08	29543.90	73053.06

Table 63 : Approved T&D Losses for FY2024-25

Particulars	APSPDCL	APCPDCL	APEPDCL	Three licensees together
T&D Loss for LT Sales	13.04%	12.69%	12.47%	12.75%
T&D Loss for 11 kV Sales	9.30%	9.30%	9.37%	9.33%
T&D Loss for 33 kV Sales	6.43%	6.44%	6.19%	6.34%
T&D Loss for 132 kV Sales and above	3.55%	3.55%	3.55%	3.55%

Table 64: Power Purchase Requirement (PPR) at different Voltage levels for FY2024-25 (MU)

Particulars	APSPDCL	APCPDCL	APEPDCL	STATE
PPR for LT Level	18,667.85	12,673.44	16,724.12	48,065.42
PPR for 11kV Level	2,682.01	1,915.20	2,984.39	7,581.60
PPR for 33 kV Level	3,359.74	1,796.67	3,286.87	8,443.28
PPR 132 kV Level and above	6,584.59	897.09	9,453.25	16,934.93
Total PPR	31,294.19	17,282.40	32,448.63	81,025.22

- B. The ARR determined vide Chapter V for the year FY2024-25 is apportioned in proportion to the power purchase requirement at each voltage level to the total power purchase requirement at all voltage levels to arrive at the ARR at that voltage level. The ARR costs allocated at different voltage levels in the above manner are as shown in the table below:

Table 65: ARR allocations at different voltage levels for FY2024-25 (Rs. Cr.)

Particulars	APSPDCL	APCPDCL	APEPDCL	Three licensees together
ARR allocated for LT consumers	13797.85	9282.75	10675.50	33756.10
ARR allocated for 11 kV Consumers	1982.33	1402.80	1905.02	5290.16
ARR allocated 33 kV consumers	2483.26	1315.98	2098.10	5897.35
ARR for 132 kV Level and above	4866.83	657.08	6034.29	11558.20
Total ARR	23130.28	12658.61	20712.92	56501.81

- C. Based on the energy sales and the apportioned ARR at the respective voltage levels, the Cost of Service (CoS) per unit that has been arrived at for different voltage levels for FY2024-25, is shown in the Table below:

Table 66: Approved: Cost of Service for FY2024-25 (Rs. Unit)

Particulars	APSPDCL	APCPDCL	APEPDCL	Three licensees together
CoS for LT consumers	8.50	8.39	7.29	8.05
CoS for 11 kV consumers	8.15	8.08	7.04	7.70
CoS for 33kV consumers	7.90	7.83	6.80	7.46
CoS for 132kV & above consumers	7.66	7.59	6.62	7.08
Average cost of service (ACoS)	8.21	8.25	7.01	7.73

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

Table 67: Cost of Service: Filing and Approved for FY2024-25 (Rs. Unit)

Particulars	APSPDCL		APCPDCL		APEPDCL		Three licensees together	
	Filings	Apprd	Filings	Apprd	Filings	Apprd	Filings	Apprd
CoS for LT consumers	8.29	8.50	8.00	8.39	7.38	7.29	7.90	8.05
CoS for 11 kV consumers	7.87	8.15	7.70	8.08	7.13	7.04	7.54	7.70
CoS for 33kV consumers	7.61	7.90	7.46	7.83	6.89	6.80	7.30	7.46
CoS for 132kV & above consumers	7.37	7.66	7.23	7.59	6.66	6.62	6.98	7.08
Average cost of service (ACoS)	7.97	8.21	7.85	8.25	7.09	7.01	7.59	7.73

Average Billing Rate/Average Cost of service

110. The ratio of the Average Billing Rate (ABR) at each voltage level, and the total Average Cost of Supply (ACoS) of the licensee as computed by this Commission for the FY2024-25 for comparison of tariffs as per National Tariff Policy are shown in the Table below:

Table 68: Ratio of Average Billing Rate (ABR) per unit and Average Cost of Supply (ACoS) per Unit (Voltage wise)

Particulars	ABR Approved for FY2024-25			ACoS			ABR/ACoS (%)		
	SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL
For LT Level	3.69	4.93	4.81	8.21	8.25	7.01	44.92	59.80	68.64
For 11kV Level	8.43	10.37	9.40	8.21	8.25	7.01	102.65	125.77	134.09
For 33 kV Level	8.15	8.12	8.13	8.21	8.25	7.01	99.19	98.42	116.01
For 132 kV Level and above	7.56	7.97	6.32	8.21	8.25	7.01	91.98	96.69	90.21
Average for the licensee	5.47	6.07	6.05	8.21	8.25	7.01	66.58	73.58	86.23

111. As can be seen from the above table, the ABR for LT consumers is less than 80 per cent of CoS. The shortfall in 100% revenue recovery of ACoS is met from the subsidy provided under Section 65 of the Electricity Act, 2003 by the Government of Andhra Pradesh to “Category-I: Domestic – LT” and “Category V (A): Agriculture - LT” after adjustment of cross-subsidies and other income. The ABR for the 33 kV and 132 kV voltage level consumers are less than CoS in APSPDCL & APCPDCL and the said shortfall is met from the cross-subsidies of other consumers. The ABR for 33 kV consumers is within 120 per cent of the ACoS, whereas the ABR for 132 kV consumers is less than the CoS in APEPDCL. The shortfall of 132 kV consumers in EPDCL is met from cross-subsidies. The ABRs for 11 kV Consumers which are beyond 120 per cent of CoS in respect of CPDCL & EPDCL are primarily due to low load factors and the higher revenue contribution from commercial consumers whose number and revenue at 33 kV and 132 kV voltage levels are negligible compared to the total consumers and revenue at those voltage levels.
112. Further, given the Hon’ble APTEL’s direction in the judgment dated 18.02.22 to determine separate tariffs for 132 kV and 220 kV category consumers, the Commission has obtained from APTranco the breakup of the total loss percentage of APTranco network into loss percentages at 132 kV, 220kV and 400kV voltage levels. Based on the information furnished by APTranco, the Commission has computed the indicative CoS at 132 kV and 220 kV voltage levels as per the procedure adopted by the Commission in its Order dated 16.08.2022 in O.P.No 60 of 2017. The CoS of 132kV and 220 kV consumers along with the computations is shown below:

Table 69: CoS of 132 kV and 220 kV voltage level consumers

S. No.	Particulars		132 kV Level	220 kV Level
1	Sales approved (MU)	APSPDCL	5126.91	1223.93
		APCPDCL	865.20	0.00
		APEPDCL	5564.22	3553.44
2	PPR Estimated based on losses furnished by the APTransco for FY2021-22 (MU)	APSPDCL	5333.81	1247.86
		APCPDCL	899.78	0.00
		APEPDCL	5796.13	3622.10
3	ARR allocation based on estimated PPR (Cr.)	APSPDCL	3944.10	922.73
		APCPDCL	657.08	0.00
		APEPDCL	3713.60	2320.69
4	Indicative COS (Rs/Unit)	APSPDCL	7.69	7.54
		APCPDCL	7.59	0.00
		APEPDCL	6.67	6.53

113. As can be seen from the above, there is a 15 & 14 paise difference in CoS between 132 kV and 220 kV voltage levels of APSPDCL & APEPDCL consumers respectively. There are no consumers in APCPDCL at 220 kV level.

CHAPTER – VII
REVENUE AND REVENUE GAP

Introduction

114. The Commission in this chapter proposes to compute the revenue gap for FY2024-25 based on the revised sales, ARR, and total revenue from all the sources, and also the true up/down adjustments of previous years if any. The revenue primarily comes to DISCOMS through a) tariff income (energy, fixed/demand, minimum, and customer charges); b) non-tariff income (delayed payment of surcharge, recoveries from theft of power or other malpractices, interest on income, and other miscellaneous receipts), c) Cross Subsidy on Open Access consumers, Grid Support Charges (GSC), and Sale of RE certificates if any.

Revenue from Tariffs and Other Sources

115. The DISCOMS realise their revenue through the retail sale of electricity and other income such as Cross-Subsidy, Grid Support Charges (GSC), and Sale of RE certificates, if any, determined by the Commission which is incidental to the main business, and such income would not be substantial.

116. The DISCOMS have computed/estimated the revenue (consumption charges and non-tariff income) for FY 2024-25 on the sale of energy estimated/forecasted by them with tariffs approved by the Commission for FY 2023-24 for all categories except for Railway Traction IV (D)-HT for which new tariffs have been proposed. The details of revenue including non-tariff income filed by the DISCOMS for each category and the total are shown in Annexure-10 and a summary of the same is given in the table below:

Table 70: Filings: Summary of Sales and Revenue estimated by the DISCOMS for FY2024-25

LT-Supply		Sales in MU				Revenue in Rs. Cr.			
		SPDCL	CPDCL	EPDCL	STATE	SPDCL	CPDCL	EPDCL	STATE
I	Domestic – LT	5856	5919	7742	19517	2971	3037	3765	9773
II	Commercial & Other -LT	1233	1199	1501	3933	1343	1244	1534	4122
III	Industry – LT	573	496	495	1564	496	426	407	1328
IV	Institutional -LT	820	356	508	1684	679	278	384	1341
V	Agricultural & Related – LT	8110	3376	4768	16254	266	523	1001	1790
	(i) Non-Corporate Farmers	7646	2244	2430	12320	45	18	11	73.78
	(ii) Others	464	1132	2337	3934	221	505	990	1715.74
LT-Total		16593	11346	15014	42952	5754	5509	7091	18354
HT-Supply									

LT-Supply		Sales in MU				Revenue in Rs. Cr.			
		SPDCL	CPDCL	EPDCL	STATE	SPDCL	CPDCL	EPDCL	STATE
I	Domestic -HT	17	20	35	71	15	15	27	57
II	Commercial & Other -HT	520	563	1035.7	2118	605	641	1111	2348
III	Industry – HT	8198	3286	12255	23740	6426	2754	8420	17600
IV	Institutional – HT	1253	677	1168	3097	1129	574	971	2674
V	Agricultural & Related-HT	1588	91	347	2026	1234	63	245	1542
	RESCO	518	0	0	518	112	0	0	112
HT-Total		12094	4636	14841	31571	9522	4048	10773	24334
Total		28687	15982	29854	74523	15276	9534	17865	42674

117. The summary of revenue requirement, and revenue gap estimated by the DISCOMS for FY2024-25 as per the filings is given in the table below:

Table 71: Filings: Summary of Revenue Requirement and Revenue Gap Estimated by DISCOMS for FY2024-25 (Rs. Cr.)

S. No.	Item	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	ARR	22,859.24	12,551.92	21,161.87	56,573.03
2	Revenue with tariff modifications for certain categories	13887.51	9141.34	17,432.33	40,461.18
3	Non-Tariff Income	1388.40	392.52	432.56	2,213.48
4	Revenue from CSS, GSC & RE certificates.	162.46	21.53	89.71	273.7
6=(2)+(3)+ (4)	Total Revenue	15438.37	9555.39	17,954.60	42,948.36
7=(1)-(6)	Revenue Gap	7,420.87	2,996.53	3,207.27	13,624.67

Views/Objections/Suggestions

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

- i. APSEB AEEs Association stated that in the non-tariff income, the Delay Payment Surcharge from consumers is a major portion i.e. approximately 90% of NTI. But Late Payment Surcharge being paid by DISCOMs to the Generators is not considered in tariff determination. Late payment to the Generators is caused by delay in payment of charges by the consumers or delay in paying subsidies by the government. Hence, DPS from the consumers may not be considered as NTI or allow the interest on working capital loans taken by DISCOMS to meet the delay in Govt. Subsidy Payments and LPS.

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

- ii. Sri. B. Tulasi Das stated that the DISCOMs in their filings did not spell out how they are going to bridge the huge revenue gap to the extent of Rs 13,887.28 Crs. The DISCOMs only mentioned that the gap will be filled as per GO Ms No. 161.
- iii. AP United Citizens Forum stated that the Revenue Gap projected by DISCOMS amounting to Rs.13,887.28 crore should be bridged by Government subsidy and not by collecting the same from the consumers.
- iv. Sri M. Timma Reddy stated that even after the accrual of additional revenue through the proposed tariffs, APDISCOMs will be facing an aggregate revenue gap of Rs.13,787.12 Crore which is equal to 32.31% of the revenue at current tariffs. This indicates that tariffs have to be further hiked by 32.31% to fill the revenue gap. For FY2023-24, GoAP agreed to provide a subsidy of Rs.10,135 Crore. If the GoAP provides this level of subsidy during the ensuing year, there will still be a gap of Rs.3,652 Crore which demands a tariff hike of 8.56%.

DISCOMs' Response: The APDISCOMs have filed the ARR & Tariff proposals as per the directions of the Government of A.P. in G.O.Rt.No.161, dt.15-11-2021. As per the said GO, the DISCOMs have to file the tariff proposals without considering any Government Subsidy, and the Hon'ble APERC was requested to notify the Government subsidy for different consumer categories as part of the Annual Tariff Order. This practice has been followed since FY 2022-23.

Commission's View, Analysis, and Decision

119. The DISCOMS have filed ARRs with full cost recovery tariff proposals, and the Govt. representative at the end of the public hearings, has furnished a statement to the Commission regarding the commitment of the government to extend the subsidy to the various categories of consumers as promised by it in various government orders. Indeed, the Govt has communicated its willingness to bear the subsidy as determined by the Commission for the FY2024-25 vide its Letter No.2373811/ENE01-APEROMISC/3/2024 - POWER-III, Date:04-03-2024. Hence, all the objections in this regard have no relevance. The subsidy determined is for the free power categories, concessions promised by govt to various sections, and also to maintain uniform tariffs across the State for domestic consumers due to a shortfall of cross-subsidies. The government is bearing the entire revenue gap on account of the concessions to various sections/classes of consumers and the free power provided to the farmers. Hence, there will be no burden on any category of consumers on these accounts. As regards the suggestion on non-considering LPS paid to GENCOs by DISCOMs in the Non-Tariff income of Retail Supply ARR, the recent amendment issued by the Commission on 07.02.2024 to Regulation 4 of 2005 has addressed this issue and the same takes care of the suggestion in the present order.

120. Accordingly, after considering all the objections and the DISCOMS' replies, the Commission has examined the revenue projected per unit for FY2024-25 by the DISCOMS compared to previous years as shown in the table below:

FY	Non-Tariff Income (ABR) Rs per unit				FY	Revenue Excluding Non-Tariff Income (ABR) Rs per unit			
	SPDCL	CPDCL	EPDCL	TOTAL		SPDCL	CPDCL	EPDCL	TOTAL
2019-20	0.29	-	0.19	0.25	2019-20	4.32	-	5.03	4.59
2020-21	0.45	0.27	0.21	0.32	2020-21	4.30	4.98	5.24	4.81
2021-22	0.46	0.27	0.16	0.30	2021-22	4.42	5.11	5.33	4.93
2022-23	0.51	0.27	0.14	0.31	2022-23	4.83	5.66	5.67	5.35
2023-24	0.50	0.25	0.15	0.31	2023-24	4.64	5.70	5.80	5.33
2024-25 (pro.)	0.48	0.25	0.14	0.30	2024-25 (pro.)	4.81	5.69	5.81	5.40

As can be seen from the above table, the DISCOMS have projected the Revenue for FY2024-25. As these projections, in the opinion of the Commission are reasonable, it has computed the revenue on the same lines as the DISCOMS proposed for each category including the revised tariff for Railways, but on the sales estimated by the Commission in the present Order. The revenue for each category including non-tariff income and total for FY2024-25 estimated by the Commission is shown in Annexure-11 and the summary of the same is given in the table below:

Table 72: Sales and Revenue computed by the Commission for FY2024-25

LT-Supply		Sales in MU				Revenue in Rs. Cr.			
		SPDCL	CPDCL	EPDCL	STATE	SPDCL	CPDCL	EPDCL	STATE
I	Domestic – LT	5837	5784	7662	19283	2962	3011	3750	9722
II	Commercial & Other -LT	1304	1159	1470	3933	1407	1223	1518	4148
III	Industry – LT	663	505	496	1664	553	432	408	1393
IV	Institutional -LT	997	342	485	1824	803	268	368	1439
V	Agricultural & Related – LT	7432	3276	4525	15233	266	523	1001	1790
	(i) Non-Corporate Farmers	6968	2144	2188	11299	45	18	11	74
	(ii) Others	464	1132	2337	3934	221	505	990	1716
LT-Total		16233	11066	14638	41937	5990	5457	7044	18491

LT-Supply		Sales in MU				Revenue in Rs. Cr.			
		SPDCL	CPDCL	EPDCL	STATE	SPDCL	CPDCL	EPDCL	STATE
HT-Supply									
I	Domestic -HT	18	15	37	70	16	12	28	56
II	Commercial & Other -HT	569	600	1071	2240	642	671	1141	2454
III	Industry - HT	8656	2945	12392	23994	6742	2564	8513	17819
IV	Institutional – HT	1372	643	1316	3331	1212	552	1072	2836
V	Agricultural & Related-HT	828	80	90	998	691	56	64	811
	RESCO	484	0	0	484	107	0	0	107
HT-Total		11927	4283	14906	31116	9410	3856	10817	24084
Total		28160	15349	29544	73053	15400	9314	17861	42575

121. Further, as per the government statement furnished to the Commission about its intention to extend concessions to various categories under section 65 of the Electricity Act, 2003, the Commission has examined the data relating to them up to September 30, 2023, furnished in the filings and accordingly estimated for FY 2024-25 as shown in the table below:

Sl. No.	Name of the Scheme	APSPDCL	APCPDCL	APEPDCL	Total
1	SC subsidy under Jagjeevan Jyothi Scheme (GoRT No. SW) 143 dated 29.08.18 & GOMS No.91, 24-07-2019	248.00	228.00	158.00	634.00
2	ST subsidy under Jagjeevan Jyothi Scheme (GoRT No. SW) 143 dated 29.08.18 & GOMS No.91, 25-07-2019	45.34	50	48	143.34
3	Incentives to acqua farmers (GoRT No.(Ene)136 dated 10.10.18 & G.O.Rt.No.70 , Dt.2-07-2019	170.00	180.00	388.00	738.00
4	Other subsidies to handloom weavers G.O.No.291 dt:25.09.18 and Hair cutting Saloons, BPL Rajaka, Gold Smith & BPL MBC Communities GO No.24, dt:15.09.19	8.00	2.00	4.00	14.00
5	Total	471.34	460	598	1529.34

122. Further, as per the latest amendment issued to Regulation 4 of 2005 after the date of filings, Late Payment Surcharge (LPS) paid to GENCOs/TRANSCO etc; if any in the

previous financial year, excluding interest burden arising due to delay in payment of subsidy by the Government needs to be adjusted in the Non-Tariff Income of the DISCOMS. The DISCOMS have furnished the LPS paid to GENCOs/TRANSCO during FY2022-23 as shown below.

Particulars	APSPDCL	APCPDCL	APEPDCL	Total
LPS Paid to Generators (Crores)	100.89	32.07	22.9	155.86

However, the DISCOMS have not furnished the interest burden arising due to delay in payment of subsidy by the Government. To adjust the same provisionally, the Commission is inclined to consider the LPS at 75 per cent of furnished figures as shown below:

Particulars	APSPDCL	APCPDCL	APEPDCL	Total
LPS Paid to Generators (Crores)	75.67	24.05	17.18	116.90

The DISCOMS may claim adjustment of the balance on furnishing the details of burden arising due to delay in payment of subsidy by the Government during FY2022-23 in the ARR of the ensuing financial year.

123. Pursuant to the Latest amendment issued to Regulation 4 of 2005 after the date of filings, the DISCOMS have furnished the variations in controllable/uncontrollable items of the Distribution Business, and APTRANSCO, for its Transmission Business for the 4th CP. Based on the information so furnished, the Commission decides to adjust the same from the Revenue Gap determined in the present Order subject to the final determination of the same at the end of the 4th control period based on the audited figures. The details of the adjustments proposed are shown in the table below.

S. No.	Particulars	SPDCL	CPDCL	EPDCL	TOTAL
1	APTransco provisional true-down for 4th CP (Crores)	-196.98	-108.78	-204.24	-510.00
2	Distribution Business provisional true-up/down for 4th CP (Crores)	2,000.00	-1,400.00	-1,800.00	-1,200.00
(1) +(2)	True up / down (Crores)	1803.02	-1508.78	-2004.24	-1710

124. Based on the above discussion, the ARR, Revenue, and Revenue gap computed by the Commission for each licensee for FY2024-25 are shown in the table below:

Table 73: Approved: Summary of ARR, Revenue Requirement and Revenue Gap determined for FY2024-25 (Rs. Cr.)

S. No.	Item	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	ARR	23,130.28	12,658.61	20,712.92	56,501.81
2	Revenue at approved Tariffs	14011.85	8898.27	17428.76	40,338.88
3	Non-Tariff Income	1388.40	415.33	432.56	2,236.29
4	LPS Paid to Generators	75.67	24.05	17.18	116.90
5	Revenue from CSS, RECs&GSC	162.46	21.53	89.71	273.70
(6)=(2)+(3)-(4)+(5)	Total Revenue	15487.04	9311.08	17933.86	42,731.97
(7)=(1)-(6)	Total Revenue Gap at Approved Tariffs	7,643.24	3,347.53	2,779.07	13,769.84
8	DBT to various consumers as per Govt GOs	471.34	460	598	1,529.34
9	APTransco provisional true-down for 4th CP	-196.98	-108.78	-204.24	-510.00
10	Distribution Business provisional true-up/down for 4th CP	2,000.00	-1,400.00	-1,800.00	-1,200.00
(11)=(7)+(8)+(9)+(10)	Net Revenue Gap	9,917.60	2,298.75	1,372.82	13,589.18

125. The revenue Gap after considering free power to farmers without DBT of other categories (as per various Govt. Orders), filed by DISCOMS Vs as determined by APERC is shown in the table below.

Sl. No.	Particulars	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	Revenue Gap filed without considering the DBT	7,420.87	2,996.53	3,207.27	13,624.67
2	Revenue Gap determined without considering the DBT	7,643.24	3,347.53	2,779.07	13,769.84
(3)=(2)-(1)	Difference	222.37	351.00	-428.20	145.17

126. The revenue Gap after considering the DBT of other categories as determined by the APERC is shown in the table below.

Sl.No.	Particulars	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	Revenue Gap determined without DBT	7,643.24	3,347.53	2,779.07	13,769.84
2	DBT to different consumers as per Govt.Orders	471.34	460.00	598.00	1,529.34
(3)=(1)+(2)	Total Revenue Gap with DBT	8,114.58	3,807.53	3,377.07	15,299.18

127. The revenue gap shown in the filings and the Revenue Gap determined by the Commission for FY 2024-25 is shown in the table below.

Sl .No.	Particulars	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	Revenue Gap filed without considering the DBT	7,420.87	2,996.53	3,207.27	13,624.67
2	Total Revenue Gap with DBT determined by the Commission	8,114.58	3,807.53	3,377.07	15,299.18
(3) = (1)- (2)	Difference	-693.71	-811.00	-169.80	-1,674.51

As can be seen from the table above, the Revenue gap determined by the APERC is Rs.1674.51 crores more than what is filed by the DISCOMS. However, after adjustments of True up/down as discussed supra, the GoAP has been informed of the following Revenue Gap (Crores) for bridging the same during FY 2024-25 to maintain the same Tariffs as determined by the Commission during FY 2023-24 with only modification to Railway Tariffs as proposed by the DISCOMs.

Table 74: Revenue Gap determined by the Commission for FY2024-25

SPDCL	CPDCL	EPDCL	For three DISCOMs
9,917.60	2,298.75	1,372.82	13,589.18

CHAPTR - VIII

REFERENCE TARIFF SCHEDULE

Introduction

128. The Commission in this Chapter, after examination of the tariff proposals submitted by the licensees for FY2024-25, stakeholders' views/objections/suggestions thereon, and other aspects such as the revenue gap, cross-subsidies, concessions to certain categories of consumers, and external subsidy availability, proposes to prepare a Reference Tariff Schedule (RTS) as a prelude to the determination of full cost tariff recovery in Chapter IX. In this Reference Tariff Schedule, the Commission has incorporated the rates/charges as deemed fit considering all relevant aspects for FY2024-25.

Tariff Proposals for FY 2024-25

129. The licensees proposed to continue with the same 5 main categories as approved by the Commission for FY2023-24. They stated that there is no change in the Tariffs & Terms and conditions for FY2024-25 except for some modifications. The modifications which are stated in Chapter 1 are shown in brief herein.

i. HT-II(C) Electric Vehicles/ Charging Stations: Presently the Tariff is Rs.6.70 per unit with a 10% discount for station maintenance in the current schedule. The DISCOMS proposed to link the tariff to the cost of service of the relevant voltage with no concession for station maintenance.

ii. Creation of a separate sub-category in HT III(C) - Energy Intensive Industries for solar PV module manufacturing industry allocated under PLI:

DISCOMS proposed the sub-category stated to be as per directions of the government with the following definition for applicability.

“This tariff applies to vertically integrated PV Solar modules manufacturing facilities allocated under PLI or such projects/industries that have been allocated power/tariff-related incentives by GoAP under HT- III (C)(b)”

The tariff proposed:

Voltage of Supply	Demand Charges (Rs. /kVA/month)	Energy Charges (Rs. /kVAh)	ToD Charges (Rs. /kVAh)
400/220 kV and below	0	4.00 for the first 7 years and Rs.4.50/unit for the next eight years	Nil

iii. HT-IV(D) Railway Traction: At least to cover the annual inflation of around 4.5%, the energy charges rate per unit has been hiked from Rs.5.50 per unit to Rs.6.50 per unit.

iv. Green Energy Tariff: The Commission fixed the Green Energy Tariff at the premium of Rs. 0.75 per unit for all the consumer categories who intend to buy Green Power from DISCOMS. In this regard, the DISCOMS proposed to enhance the same to Rs.1.0 per unit in line with the price of the Renewable Energy Certificate (REC) in the exchange. Further, since the consumer under any category is entitled to Green Power by paying a premium over & above his regular tariff, they stated that a separate subcategory of Green Power is

redundant.

- v. Other Proposal by APEPDCL:** The additional load may be arrived at based on the RMD instead of the sanctioned contracted load for all categories except Agriculture.

Objections/Suggestions/Views

130. Several objections, views, and suggestions have been received from various stakeholders not only on the tariff proposals of the DISCOMS but also on other existing Tariffs and conditions. The main and relevant objections, views, and suggestions, and the responses of the DISCOMS on the same are detailed in the following paragraphs.

- i. Sri. M. Venugopala Rao & others** have stated that as per G.O.Ms.No.112 dated 9.1.2023, GoAP directed creation of a separate sub-category under HT-III(C)(b) and under G.O.Ms.No.66 dated 15.9.2022 to extend power incentives to vertically integrated PV Solar modules manufacturing facilities allocated under PLO at a fixed tariff of Rs.4 per unit on the power consumed from the DISCOMS. In this regard, they wanted to know the information to the following questions.

- How many such units are in Andhra Pradesh & what is their contracted capacity for power and how much power do they consume per annum?
- What is the cost of service for the new category to be created? What would be the requirement of subsidy to extend the proposed “power incentives” to those manufacturing units?
- Has the GoAP proposed in the respective G.Os. that it would provide the subsidy required for the proposed “power incentives”?

DISCOMS’ Response: At present, vertically integrated solar PV module manufacturing units do not exist in their jurisdictions.

- ii. Sri. K.V. Mukunda Reddy**, AP Poultry Federation has requested that the fixed charges for loads beyond 100 HP and up to 150 HP be fixed at Rs 75/HP/Month instead of Rs.275/HP/Month on par with below 100 HP loads for poultry feed mixing plants. He has also stated that DPE/Vigilance wings of APEPDCL are booking the cases on Poultry consumers under malpractices for the power used by the poultry farms in their premises for staff quarters, office premises, Guest houses etc. Even for a normal-sized poultry form, for feeding the birds and other activities, dedicated staff needs to be engaged. As a result of DPE inspections, entire premises are being converted into the Non-Domestic category. Hence, he has requested that certain flexibility may be given for the usage of Non-Poultry loads in the premises for staff quarters and office out of the total energy consumed.

APEPDCL’s Response: The burden of fixed charges is not much on the poultry industry. The HP load is being converted into a KW load for levying the charges. As per the retail supply tariff order issued by the Commission, feed mixing plants are categorized under Industry category.

- iii. **Sri. Srinivasa Reddy**, AP Poultry Federation has requested that the poultry feed mixing plants may be exempted from ToD tariffs since feed is prepared during morning timings daily to match the day-wise requirements of the birds.
- iv. **GRASIM Industries** has requested that Peak ToD chargers in all seasons need to be pegged at Rs 1.0 per unit.
- v. **AP Chamber of Commerce & Industries Federation, Grasim Industries and Andhra Sugars have** requested to issue suitable orders to continue the Load Factor Incentive Scheme as allowed earlier again in this Retail Supply Tariff Order for FY 2024-25. They stated that the Load factor incentives need to be brought back for the promotion of more flat load consumption done by the industry in the best interests of the industry as well as DISCOMs.

DISCOMs' Response: 75 paise concession during the Off-peak period (10:00-15:00 Hrs) & (00:00 to 06:00 Hrs) has been already extended to encourage utilization of more power by the industries during the said periods. Given the ToD concessions, the request for the re-introduction of the load factor incentive scheme is not justified.

- vi. **FAPCCI** stated that the existing voltage level tariffs are disproportionate compared to the Cost of Supply of respective voltage and contended that to promote a level playing field for industries, the existing retail energy charges may be modified so that the gap between applicable energy charges for 33 kV and 132 kV is reduced to lowest possible levels in proportion to the difference in their cost of supply. Alternatively, in the absence of an approved category-wise cost, and till the time the retail tariff schedule is reflective of the cost of supply, the Commission may determine a unified tariff for HT industrial categories and fix some rebates based on the voltage of supply. This would be in line with the Central Government's suggestions to reduce the number of tariff categories and will promote ease of doing business in the State. AP Chamber of Commerce & Industries Federation stated the 33 KV consumers are being discriminated as their tariff is disproportionate to the COS difference between 33 kV and 132 kV. Manishreni Ferro Alloys Stated that the Cost of Service (CoS) difference between 132 kV & 33 kV is around Rs 0.20 per unit, whereas the tariff difference is around Rs 0.40 per unit. This needs to be corrected.

DISCOMS' Response: The tariff difference of 45 paise between 132KV and 33KV level consumers is reasonable given the difference in CoS of 25 paise between 132KV and 33KV voltage levels. The suggestion of a unified tariff for the HT industrial category is not justified because of the differences in voltage-wise cost of service.

- vii. **Abhijeet Ferrotech** stated that the DISCOMs have not indicated voltage-wise loss segregation in EHT in their ARR filings. Referring to the Commission order dated 16th August 2023 on differentiated tariffs for 220KV & 132KV consumers, it has requested a differential tariff to the extent of Rs 0.1 per unit between 132 kV and 220 kV since in

other states, the tariff difference between 220 kV and 132 kV voltage consumers is almost Rs 0.20 per unit.

viii. AP Ferro Alloys Producers Association has stated that the consumers under the HT industry - General category operate at a very Low LF of 41.51 % but the consumers under the HT Energy intensive Industry category operate their industrial units at a very high LF of 84.48%. APDISCOMS would recover less revenue per kVA from the HT industry - General category than revenue per kVA from the HT Energy Intensive Industry category consumers. Going by the high load factor of the Energy Intensive Industry, the MD Charges cannot be more than Rs.233.40 per kVA per month. They also stated that recognising the difficulties of the Energy energy-intensive industry in the current year, GoAP waived 90% of demand charges and excess ED for the survival of this Industry. The Industry is suffering from the introduction of demand charges, and increased electricity duty along with a plethora of True Up & FPPCA charges at one go. Therefore, the Commission may drop the demand charges to the Energy Intensive category as was there earlier.

DISCOMS' Response: The fixed charges would be arrived at under a two-part tariff policy and it is not based on Load Factor. The licensee incurs fixed costs consisting of Transmission, SLDC, PGCIL, ULDC, Distribution Network costs and fixed costs payable to the Generators. For FY 2024-25, the fixed cost incidence is around Rs 14671 Crs, whereas recovery through Demand charges is Rs 1852 Crs. Hence the request for removal of demand charges is not justified.

ix. AP Ferro Alloy Producers' Association has requested that the Minimum Energy charges for the Ferro Alloy Industry be billed based on 80% of contracted demand.

DISCOMS' Response: APEPDCL stated that the energy chargers are being billed based on actual energy consumption or 50 KVAh/KVA/Month of contracted demand whichever is higher as per existing conditions and it is not new for the year FY 2024-25 alone. In Telangana state, the ferro alloy units are being billed on par with the industrial normal tariff. The licensee incurs fixed costs to be paid to the generators. Hence the request for revision of minimum energy charges based on billing demand instead of on contracted demand is not justified as such revision causes under-recovery. Whereas APSPDCL stated that the decision on the levy of minimum energy charges is in the purview of the Commission.

x. Sri. Srinivasa Rao, representing Sago Factory prayed to the Commission that the season for sago mills is for 30 to 45 days during February and March. Presently the Industry is located in the Samalkot area in the State. All the mills existing in this area were closed and only a handful of units are functioning in losses. Therefore, the industry may be given a seasonal tariff, since they qualify for the conditions stipulated for seasonal Industries.

APEPDCL's Response: The matter of extending seasonal industry status to Sago mills is in the purview of the Commission.

- xi. Electro Steel Castings Limited and Andhra Sugars have** requested that the penal charges on energy for exceeding contracted demand may be waived or reduced. **Andhra Sugars** has also requested to revise the limitations of the percentage of Recorded Maximum Demand over Contracted Maximum Demand for the levy of excess energy charges from the present limit of 120% to 150%. **Electro Steel Castings has** requested that the normal Demand chargers be allowed up to 110% of Contracted Demand. Beyond that up to 120%, only 25% extra demand charges and above 120%, 50% extra demand charges may be levied instead of existing 100% extra demand charges for exceeding Contracted Demand.

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

- xii. GRASIM Industries** has requested that their Chlore Alkali project with a contracted demand of 32 MVA needs to be classified under the HT-III-C-Energy Intensive category. The Bureau of Energy Efficiency (BEE) under the provisions of the Energy Conservation Act-2001 classified their industry as designated consumer. This classification applies to industries that consume large quantities of energy. It has also requested for considering Bank Guarantee as a Security Deposit in place of cash payment.

DISCOMS' Response: The matter is in the purview of APERC.

- xiii. AP Textile Mills Association** has stated that there is no proposal in the ARR & FPT filings for Grid support charges for FY 2024-25. There is only a passing mention in the newspaper advertisement that all other terms and conditions as in the tariff schedule for FY 2023-24 are applicable. Even though the Licensees have proposed Grid Support charges only for co-located captive power plants in the ARR & FPT for FY 2022-23, the Commission issued orders to levy grid support chargers on all generating companies in the state based on their installed capacities excluding capacities which were tied up in PPAs with DISCOMs. The levy of Grid Support charges based on the capacity of the CPP or any generating station is unreasonable and unjustified. **Sri. Gopal Chowdary, Sr. Advocate who** appeared during public hearings on behalf of AP Textile Mills Association, referred to the recent order issued by APTEL Dt 14th December 2023 on principle of levy of Grid Support Charges in the Appeal filed by M/s RAIN CII Carbon (Vizag) Limited. The issues about the nature, applicability, scope and effect of Grid support chargers have not received the detailed consideration of this Hon'ble Commission. He pointed out that no revenue from Grid Support charges was included in the ARR filings by the DISCOMs. Grid Support Charges have been fixed by the Commission based on the R&M charges in the Transmission & Distribution ARRs. Consumers availing Open Access having CMD with DISCOMs are already paying fixed demand charges to DISCOMs which include R&M costs. Further, they are paying wheeling charges which are again derived from R&M

charges. Now, if grid support charges are levied, the R&M costs are sought to be recovered for a third time. It is a triple whammy which is most arbitrary, unreasonable and irrational.

Amara Raja Batteries contended that the absorption of Harmonics generated from Solar Power plant inverters is not the valid reason for the levy of Grid support charges.

Andhra Sugars stated that in the present scenario, most of the Cogeneration plants are not in a position to generate power at installed capacity owing to several reasons like less availability of Sugar Cane with Operational / financial constraints etc. Hence, the Commission may look into this matter and issue revised orders to levy the Grid Support Charges on the actual Quantum of Power Export only but not on the Installed Capacity.

DISCOMS' Response: The matter is in the purview of the Hon'ble Commission.

xiv. Bharti Airtel has requested to categorize Telecom Mobile Towers under the Industry category. The Salient points presented in support of its request are mentioned below.

- The Government of India granted infrastructure status to the telecom industry in the year 2012 to boost the development of telecom infrastructure in India.
- The Information Technology, Electronics and Communications (Promotions) Department, Government of Andhra Pradesh vide G.O.MS.No.6 dated 16.07.2021 has notified the "Andhra Pradesh IT Policy 2021-2024" ("AP IT Policy") addressing the current needs of the industry. As per the AP IT Policy 2021- 2024, the Telecommunications service provider has been defined and expressly included 'Telecom' within the ambit of IT Industry/ IT Projects. Also, the AP IT Policy 2021-2024 has expressly mandated under Paragraph 8 (vi) that all IT Companies operating in Andhra Pradesh shall be eligible for industrial tariff.
- The National Policy-2016 states the progressive reduction of cross-subsidies and linkage of tariff to Cost of Service. The present tariff in the State of Andhra Pradesh in the commercial category is far more than the average cost of supply, especially for the telecom industry.
- TRAI has recommended that Telecom sites be provided tariffs at Industry rates. Maharashtra & Himachal have passed orders endorsing Industry tariffs for Telecom towers.
- Hence, Telecom towers, which are the basic infrastructure, may be categorised as Industry, instead of Commercial.

Cellular Operators Association of India (COAI) while urging the same points on categorising Telecom into Industry category stated that the high electricity tariffs are the biggest challenge faced by the rapidly growing telecom sector.

DISCOMS' Response: The Industrial tariff is applicable only for IT companies and not Telecom Service providers as per the AP IT Policy. In the Tariff Order for FY 2023-24, responding to the similar request of the Telecom Service providers, the Commission has

observed as follows.

“As per the Judgments of Hon’ble Supreme Court, the policies of the State / Central Govt, are not bindings on the SERCs in tariff determination. Therefore, the IT policy of GoAP is not binding on the Commission. The recommendations of FOIR, and TRAI are suggestive only. Therefore, they are not binding on the Commission. As opined by the DISCOMs all service providers are to be billed under the Commercial category by the application of definitions in the Retail Supply tariff Orders and not under the Industrial category.”

Further, the telecom sector is a service provider and collects tariffs from the people for the services provided by them and hence their activity is categorized as commercial only and tariff is applicable accordingly.

xv. South Central Railway-Secunderabad submitted the representation on 7th February 2024 on the tariff hike proposed by DISCOMs for FY 2024-25 in respect of Railway Traction requesting to fix the tariff reasonably or retain the existing tariff to encourage electrification projects in Andhra Pradesh. The salient points of its representation are as under.

- Railway traction provides base load, maintains a high power factor and saves imported precious oil, apart from speedy, energy efficient and environmentally friendly public transport.
- The Railways are a Bulk Consumer and pay major revenues to DISCOMs. Hence the grievances of Railways are to be considered while fixing the tariff for the HT-IV (D) category.
- The increase in the Railway Traction tariff of Rs 1.00 per unit (14.51%) is very high, unreasonable and unjustified. Higher traction tariff slashes the Rate of Return (RoR) for the new electrification projects and existing electrification projects which makes them non-viable.
- Railway traction is power intensive and loads are for passenger and goods train services which run round the clock. There is no distinction between peak to non-peak hours. Thus, railways are improving base loads of DISCOMs and supporting the Grid stability. Apart from this, Railways maintain a higher power factor.
- Keeping the existing reasonable traction tariff at par with the open access tariff, most of the routes in Andhra Pradesh state have been sanctioned for electrification. Railway electrification is environmentally friendly, and energy-efficient and reduces carbon footprint, which further reduces the import burden of high-speed diesel.
- The proposed increase in traction tariff for Railways will affect all the electrification projects which are under progress in the State and slow down the existing projects. This will have a detrimental effect on the electrification projects and other infrastructure projects in the state of Andhra Pradesh.

- Railways are honouring the additional levies of True-Ups and FPPCA as determined by the Commission from time to time, which are further raising the unit cost paid by the Railways on the traction power consumed.

xvi. Sri. Sayeed Parvez, Ms Janaki Pavana Lakshmi, Sri. Baba Fakruddeen and others have requested that because of the increased usage of electrical gadgets in households and their importance in day-to-day life, first Slab consumption in the Domestic category is to be expanded from the present 30 units level to at least 100 Units.

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

xvii. Sri. Ch Janakiram Member, SAC and Grasim industries have suggested that for encouraging prompt and early payment of electricity bills, an early payment incentive may be introduced to improve cash flows in the DISCOMs. Sri.Ch. Janakiram, while presenting his views in the 19th SAC meeting held on 13-02-2024 stated that an incentive for early payment by the consumers would save a lot of manhours of staff & officials of DISCOMs during the last 10 days in the calendar month as all are engaged in the only activity of Revenue Collections. He further stated that, by allowing a certain early payment incentive, the cash flows to the DISCOMs would be uniform rather than getting bunched during the end of the month. The man hours spent in revenue collections can be better utilised in system improvement works and increasing the consumer service levels.

xviii. FAPCCI has stated that as opposed to the earlier filings, the Licensees have not worked out the category-wise CoS of consumers. Rather, it has merely depicted the CoS at a broad level for LT, HT-11 kV, HT-33 kV and HT-132 kV classes. These numbers do not serve any purpose and will not help either in the fixation of tariffs or in laying down a roadmap for a reduction in cross-subsidy. The Revised Tariff Policy envisages that the tariff should progressively reflect the efficient and prudent cost of supply of electricity and the tariffs for all categories of consumers except the consumers below the poverty line should be within $\pm 20\%$ of the average cost of supply. More importantly, even for BPL categories for consumption up to a prescribed level (i.e., 30 units per month), the prescribed tariff ought to be at least 50% of the average cost of supply. Section 61 (g) of the Electricity Act, 2003 mandates the Commission to ensure that the tariff progressively reflects the cost of supply and also reduces the cross-subsidies. In a catena of judgments, the Hon'ble APTEL has held that eventually, the State Commission shall gradually move from the principle of average cost of supply towards cost of supply for each consumer category. That the incidence of cross-subsidy is even higher when category-wise cost of service is considered. Given the above, the current tariffs for industrial consumers need more rationalisation to adhere to the mandate of the Electricity Act and Tariff Policy.

DISCOMS' Response: This aspect is Under the purview of Hon'ble APERC.

xix. Andhra Sugars stated that the Tariff Rates for the Peak Period consumption separately for High Grid Demand and Low Grid Demand Months are unjustified. Generally, the Policies shall be to encourage Industrial Growth but these filings are quite negative to the Industrial Growth.

DISCOMS' Response: This is Under the purview of Hon'ble APERC.

xx. Andhra Sugars and Others have requested that the Industrial Colony CC Charges may be continued at Rs.7.00 per unit. It may be reduced further since the Industry has to look after the welfare of their employees who are residing in their Townships.

EPDCL's Response: DISCOM has retained the same Tariffs of FY 2023-24 for FY 2024-25 also despite increasing cost of service.

xxi. Sri. Hari Kishore Kumar Reddy has requested that the Flour Mills, Batter Mills, Wet Grinders, and Chill powder mills in rural areas may be classified in the cottage industry.

SPDCL's Response: These mills are collecting money from the users for rendering the services and hence they cannot be classified in the concessional cottage industry category.

Commission's Views, Analysis, and Determination:

131. The Commission carefully examined the various requests, suggestions, objections and responses of the DISCOMS, as discussed above. As some objections particularly from the Indian Railways have been received after the due date specified for receiving the objections or during the public hearings, the responses on the same from the DISCOMS could not be received. The Commission's analysis, views, and decisions on the above aspects are detailed in the following paragraphs.

132. **HT-II(C) Electric Vehicles/ Charging Stations:** The DISCOMS have proposed to link the tariff applicable to EV charging stations to the cost of service of the relevant voltage with no concession for station maintenance. The existing tariff is /Rs.6.70 per unit with a 10% discount for station maintenance. There can be no denying that the era of electric vehicles (EVs) is well and truly upon us. With zero tailpipe emissions, EVs offer a complete solution for air pollution problems and will also help reduce oil imports. Furthermore, governments at the Central & State levels and policy makers are showing a strong commitment to promoting electric vehicles as a means to address climate change and reduce emissions. There has been a significant rise in the production and sales of electric vehicles in recent years. Matching with the increased usage of EVs, the development of charging infrastructure is also necessary to expedite the process of transition into E-mobility to address environmental concerns. The expansion of charging infrastructure, including public charging stations and home charging solutions, has improved the convenience and accessibility of EVs for drivers. In this regard the Secretary, Ministry of Power, Govt. of India, vide letter dated 13th June -2023 has communicated certain points as below:

- E-mobility is evolving as a key enabler on a global level to decarbonise the transport sector. Therefore, accelerating the adoption of Electric vehicles in the country is an important technological intervention being promoted by the Government of India.
- The availability of adequate Public EV Charging Infrastructure is an essential requirement for the accelerated adoption of electric vehicles in India. The Ministry of Power, being the Nodal Ministry for the deployment of public EV charging infrastructure has carried out multiple stakeholder engagements to identify the challenges and recommend solutions to accelerate the deployment of safe, affordable and reliable Public EV charging Infrastructure in the country.
- Recently, the Oil Marketing Companies (OMCs) viz the IOCL, BPCL and HPCL have proposed to install 22,000 Public EV charging stations (PCS) on various fuel retail outlets located across the country by the end of 2024. These OMCs have approached the Ministry of Power indicating inconsistencies between the central and state policies impacting the deployment and operation of Public EV charging stations at Fuel Retail Outlets across the country.

Further, the Ministry, GoI requested the SERCs to direct the concerned to ensure the following.

- Tariffs for the supply of electricity to Public EV charging stations in the state to be a single part and not exceed the Average Cost of Supply (ACoS).
- Provision may be made for a discount of 20% in the electricity supply Tariff for PCS (i.e., from the Average cost of supply of Electricity from a DISCOM for EV charging to a PCS in the solar hours i.e., between 9:00 am to 4:00 pm and a 20% surcharge in the electricity supply Tariff for EV charging at public charging stations during all other periods in the day.
- Application of ceiling on service charges (in addition to cost of electricity) of Rs. 2.50 and Rs.3.50 per unit of electricity for slow AC charging and Rs.10.0 and Rs.12.0 per unit of electricity for DC Fast charging of EVs at Public EV charging stations during the solar and non-solar hours respectively till these are revised by CEA.
- Waiver in fixed demand charges component in EV supply Tariff for Public EV charging stations.
- Promotion of residential, office and community charging in Group Housing societies and commercial complexes.
- Application of domestic Tariff for residential EV charging.
- Registration of all Public EV charging stations operational in the state via the "EV Yatra" portal is available at (<https://evyatra.beeindia.gov.in>).
- Timely grant of electricity connection from DISCOMs to Public EV charging stations through an online portal available at PCS Connection-BEE-EV (beeindia.gov.in).

After examining the various aspects and the present penetration level of charging stations and their consumption shown in the filings which are very nominal, the Commission decided to continue the same tariff as existing for EVs. However, the instructions issued by the Commission in the letter dated 30.06.2023 are to be incorporated in the terms and conditions of the EVs which are shown below.

- i. All charging stations established by the utilities for charging their vehicles viz APSRTC, DISCOMS, etc shall be levied a tariff of Rs.6.70 per kVAh.
- ii. All charging stations established by the Group Housing Societies, Commercial complexes, Malls, Hotels, and Public Charging Stations for charging the electric vehicles of the general public shall be levied 90 per cent of a tariff of Rs.6.70 per kVAh. Such charging stations shall collect the tariff of Rs.6.70 per kVAh from users.
- iii. The charging stations shall be given a separate connection duly ensuring not to use this supply for other purposes.
- iv. All domestic or other consumer categories who use their supply for charging their vehicles shall not be booked under malpractice.

133. **Sub Category under HT-III- (C) for Vertically Integrated Solar PV Module manufacturing Units allotted under PLI:** On the proposal of creating a separate sub-category under HT-III (C) for vertically integrated PV Solar modules manufacturing facilities allocated under PLI at a fixed tariff of Rs.4 per unit for first seven years and Rs 4.50 per unit thereafter for eight years, without any demand charges and ToD charges etc, the relevant GOs which caused the DISCOMs to make this proposal have been perused.

Para 6 (1) of the GO Ms No. 66 dated 15.09.2022 contemplates that Power (HT III B) at a fixed tariff of Rs.4,00 per unit for the first 7 years and @ Rs 4.50 per unit for the next 8 years, from the date of commencement of production, on the power consumed from the DISCOMS, is to be extended to the consumer. This fixed tariff includes demand charges, energy charges and time of day charges. However, the power drawn from DISCOM by the company shall be limited to a maximum of 40% of total power consumption. Further vide the GO Ms. No. 112 dated 9.11.2023, under Non-Fiscal Incentives - Power Related (B 1), it was stated that “ Energy department shall take steps for creating of separate sub-category under HT-III (C) for power tariff to vertically integrated PV solar module manufacturing allocated under PLI”.

It appears that the subject GOs are issued by the Department of Industries & Commerce, Govt. of AP pursuant to the recommendations of the State Investment Promotion Board (SIPB) to extend certain incentives to M/s Indosol Solar Pvt. Ltd. (ISPL), Ramayapatnam, SPSR Nellore District. The GOs are neither issued under the provisions of the Electricity Act 2003.

As noted, there is no single consumer under the proposed category in the present consumer mix of the APDISCOMs. No proper justification has been provided by the DISCOMs with

practical data & information to prove that the present HT-Category-III (C) is to be split to confer a concessional tariff to the proposed PLI-linked vertically integrated solar PV module manufacturing facility. Hence, the Commission is not inclined to accept the proposal of DISCOMS to create a separate subcategory in HT-III (C) Energy Intensive Industries for Vertically Integrated Solar PV Module Manufacturing Units allotted under PLO.

134. **Railway Traction tariff increase by Rs 1.0 per unit:** The existing Demand Charges and Energy charges for the Railway Traction category are Rs 350/KVA/Month and Rs.5.50/Unit respectively. The DISCOMs have proposed an increase in Energy tariff from Rs.5.50 per unit to Rs.6.50 per unit i.e.; an increase of Rs...0 per unit for the ensuing financial year. The relative position of the Railway Traction tariff in our State when compared to other major states, with the proposed energy chargers of Rs. 6.50 unit is shown below.

SL No	Name of the state	Effective Rate @ 50%LF
1	Gujarat	5.50
2	WEST BENGAL 132 kV	5.64
	WEST BENGAL 25 kV	5.69
3	RAJASTHAN	6.08
4	Telangana	6.37
5	ODISHA	6.44
6	KERALA	6.50
7	Andhra Pradesh	7.47
8	MADHYA PRADESH	7.77
9	KARNATAKA - HT-II	7.97
10	TAMILNADU	8.71
11	MAHARASTRA	8.92
12	UTTAR PRADESH	9.61

As can be seen from the table above, as per the existing demand charges of Rs.350 per KVA and proposed Rs.6.50 per unit energy chargers, the relative position of AP is in the middle when compared with tariffs of other states for FY 2023-24. As submitted by the DISCOMs, the existing tariff for Railway Traction is prevailing since FY 2020-21. Even if we consider average inflation of 5.0% per annum, in real terms, the energy chargers ought to be Rs.6.60/Unit for the ensuing financial year. The cost of service is increasing at a faster pace of around 9% per annum. Further, even with the proposed tariff, the effective rate of billing is within the band of 80-120 per cent of ACOS. Having considered all these factors, the Commission is inclined to fix Energy Charges for Railway Traction as Rs.6.50/Unit as proposed by the DISCOMs.

135. **Green Energy Tariff:** APDISCOMs requested the Commission to enhance the premium of Green Energy tariff from the existing level of Rs.0.75 per unit to Rs. 1.0 per unit in line with the price of the Renewable Energy Certificate (REC) in the exchange. Further, the DISCOMs stated that since the consumer under any category is entitled to Green Power by paying a

premium over & above his regular tariff, a separate subcategory of Green Power is redundant. The Green Energy premium has been specified by the Commission to encourage green energy consumption to combat climate change. Presently there is no floor price in the Exchange for the sale of RECs and the recently discovered prices are hovering below Rs.1.0 per unit. In this regard, it is pertinent to mention that the Forum of Regulators (FoR) has constituted a working group on RE-related Policy & Regulatory Matters. The Working Group after an elaborate study, made the following recommendations on the Green Tariff to change the GoI, MoP's Rules accordingly in this regard.

- i. For determination of the Green Tariff, follow the methodology and formulation adopted by MPERC for various components subject to the condition that the Green Tariff so determined should not be lower than ABR (Average Billing Rate) for the respective consumer categories.
- ii. Further, a proviso should be added that green power for consumers availing green tariff shall be "subject to availability of RE."

In Madhya Pradesh, the green tariff is determined with 2 approaches as stated below.

- i. 75% of the difference between RE and non-RE power purchase cost for consumers availing green tariff only for reducing carbon footprints and certification.
- ii. Incremental Green Tariff for different RE sources and tariff categories

Given the above, the Commission has examined the RE and non-RE variable cost of power approved in this Order. They are at Rs.4.19 and Rs.3.24 respectively, the difference of which is Rs.0.95 per unit. The 75 per cent of the same is Rs.0.71 per unit which is almost equal to the Green Tariff Fixed by the Commission. Therefore, the Commission is not inclined to consider the request of the DISCOMS and retain the Green Tariff at Rs.0.75 per unit. As regards removal of a separate subcategory of Green Energy tariff in view of access to consumers in every category to opt for Green Power, it is observed that the separate subcategory under Category-II for Green Energy is specified for a purpose viz, not to levy Fixed Charges or impose monthly commitment. In the present case, the Green Tariff is fixed to enable any category to avail this facility without the need to change their existing category. Therefore, the Commission is not inclined to remove the existing Green Tariff sub-category which is not redundant as stated by the DISCOMS. The Commission also decides to include the terms of the Green Tariff as stated in Regulation 6 of 2023 in the Terms and Conditions of Supply to undertake a review of the same from time to time as intended in the Regulation.

"3.4 Renewable Energy procurement from Distribution Licensee by obligated entities/non-obligated entities at Green Tariff without need to change of category. The obligated/non-obligated entities may purchase Renewable Energy from the Distribution Licensee in the following manner:

- i. Any entity may elect to purchase Renewable Energy either up to a certain percentage of

the consumption or its entire consumption and accordingly, they shall place a requisition for this with their distribution licensee, three months before the date of the commencement of the financial year during which the entities intended to procure from FY 2024-25. For the balance period of FY 2023-24, the entities may place a requisition with their distribution licensee within one month from the date of this regulation coming in to force. Then, the distribution licensee shall procure such quantity of Renewable Energy and supply it to the entities concerned.

- ii. The obligated entities may purchase on a voluntary basis, more renewable energy than their obligation and up to a hundred percent. The percentage of renewable energy requisite by obligated/non-obligated entities from the distribution licensees shall not be less than RPO specified by the Government of India/APERC for the obligated entities whichever is higher for that financial year.*
- iii. The Green Tariff for the Renewable Energy supplied by the distribution licensee for FY 2023-24 shall be 75 paise over and above the normally applicable tariff for respective entities as per the RST Order for FY 2023-24 issued by the Commission. This tariff for future years will be as per RST Orders to be issued by the Commission. The energy consumed at 75 paise over and above the normally applicable tariff out of the total energy consumed by the entities from the distribution licensees shall be treated as the Renewable Energy supplied by the distribution licensee during that billing month. The Distribution Licensee shall issue the monthly digital certificate (physical certificate on specific request) to such consumers certifying the quantity of Renewable Energy out of the total consumption.*
- iv. All electricity consumers in the State have the option to source 100% Renewable Energy power by additionally paying above stated Green Tariff at their respective categories without to opt a separate category “ Green Power” that is already in place as per RST Order approved by the Commission.*
- v. Any requisition for Renewable Energy from a distribution licensee shall be for a minimum period of one year from FY 2024-25 and a balance period for FY 2023-24 and accordingly, month-wise energy shall be specified.*
- vi. The Renewable Energy purchased from the distribution licensee in excess of the Renewable Purchase Obligation of an obligated entity and 100 per cent of energy procured by the non-obligated entities shall be counted towards Renewable Purchase Obligation compliance of the distribution licensee;*
- vii. The revenue earned by the distribution licensee from the sale of renewable energy to entities/consumers under the Green Tariff shall be considered as revenue from the sale of power. The Distribution Licensee shall separately maintain tariff category and sub-category-wise accounting of no. of consumers, connected load, sale, and revenue from sale under the Green Tariff for consumers and the same shall be shown separately by the distribution licensees at the time of ARR filings, and truing up.*
- viii. The distribution licensee shall give a Green Stars certificate on a yearly basis to the*

entities for the green energy supplied by it for Renewable Energy beyond the renewable purchase obligation (RPO) for obligated entities notified by the government of India/APERC whichever is higher. The entities/consumers shall be given a Green Stars Rating based on Renewable Energy procurement during the financial year as below:

- 100 per cent of consumption: 5 Green Stars
- 75 per cent of consumption: 4 Green Stars
- 50 per cent of consumption : 3 Green Stars

Accordingly, the distribution licensee shall issue a “Green Stars Certificate” to all the eligible entities within three months after the completion of that financial year. The certificate format shall be as approved by the Commission. Such green stars shall be also indicated in their monthly bills based on the month-wise requisitions for renewable energy and total consumption of the month as per the percentages indicated above.

- ix. Non-obligated entities of any category including the domestic consumers at any voltage level may opt to procure the Renewable Energy as per the procedure stated above.*
- x. The Distribution licensees shall give wide publicity at regular intervals during the year about the availability of RE power through newspapers/media/interaction meetings with the industrial consumers based on their Renewable Power procurement status.*
- xi. The green power for consumers availing green tariff shall be “subject to availability of RE” in the respective DISCOS.”*

136. **Other Proposals of APEPDCL:** APEPDCL proposed that additional load may be arrived at based on the RMD instead of the sanctioned contracted load for all categories except Agriculture.

The Commission observes that there is no detailed technical reasoning or basis submitted by the APEPDCL in support of their request. Accordingly, the request is not accepted. However, the DISCOMs are at liberty to submit a detailed report supporting their claim on this aspect along with proposed amendments required to any Regulations/GTCS to the Commission for consideration accordingly.

137. **Expanding the first slab in Domestic consumption to 100 units:** The average LT cost of supply of all DISCOMs is above Rs.8.0/Unit. The tariff of the first slab in the Domestic category which covers 0-30 units is Rs.1.90/Unit. The tariff does not cover even 25% of the CoS at the LT level. The first slab is heavily subsidised. The Commission considered 1 unit per day as the lifeline consumption and accordingly fixed the Domestic tariff. Given the increased CoS by the DISCOMs, the request of the Consumers cannot be accepted.

Industrial tariffs: The State-wise comparison of representative tariffs for Industry during FY 2023-24 as per the REC key regulatory parameters of Power Utilities booklet statistics report as of 31.12.2023 is given below:

Sl. No.	State	Small Industrial (10KW, 20% LF, 1460 Units per month)	Small Industrial (50KW, 30% LF, 10950 Units per month)	Small Industrial (1000KW 40% LF, 365000 Units per month)
1	Andaman & Nicobar	9.00	10.97	10.63
2	Andhra Pradesh	7.27	7.10	7.66
3	Bihar	7.97	7.77	7.93
4	Chhattisgarh	6.13	6.76	9.73
5	Delhi	9.85	9.28	8.82
6	Gujarat	5.13	5.51	5.65
7	Haryana	7.15	7.08	7.19
8	Karnataka	8.23	9.21	8.93
9	Kerala	6.46	5.97	7.27
10	Madhya Pradesh	9.39	8.66	9.50
11	Maharashtra	7.39	9.55	9.62
12	Punjab	6.73	7.21	7.75
13	Rajasthan	7.70	8.10	8.44
14	Tamil Nadu	8.39	10.10	8.90
15	Telangana	8.27	8.10	9.27
16	Uttar Pradesh	9.94	9.17	8.45
17	Uttarakhand	6.13	5.63	6.95
18	West Bengal	7.84	9.13	9.61

As can be seen from the above table, the industrial tariffs in the State of Andhra Pradesh are lesser than those in 15 important states. Therefore, any request for further reduction of industrial tariffs is neither reasonable nor acceptable.

138. **Restoring HT Load Factor Incentive:** The Commission reiterates that the Load Factor Incentive for the industry was introduced during the FY2019-20 keeping in view the surplus power availability in the State at that point of time. As the surplus power scenario may not exist during the FY 2024-25 as per the estimations of the Commission, the need to push the consumers to go for higher consumption by incentivising such consumption may not arise. Moreover, a consumer can consume only up to his requirement and just to avail the incentive he will not consume energy which he otherwise does not require to consume. Conversely, if the consumer requires a certain level of consumption, he will not refrain from consuming up to that level merely due to the absence of an incentive. Hence, the Commission does not find the necessity of restoring the load factor incentive which was withdrawn from the FY 2021-22.

139. **Reducing Demand Charges to Energy Intensive Industries on Par with their Load**

Factor: DISCOMs contended that out of total fixed cost commitment in the system for power purchase, transmission and load dispatch charges, the amount recovered through Demand/fixed charges from the consumers is small. The tariffs as examined by the Commission in last year's tariff order in different States with reference to the State of Andhra Pradesh for Energy Intensive Industries are reproduced again as shown in the table below:

S. No.	State	Demand Charges	Energy Charges		
1	Andhra Pradesh	Rs 475/kVA/Month	Rs.5.80 for 11 kV		
			Rs.5.35 for 33 kV		
			Rs.4.95 for 132 kV		
			Rs.4.90 for 220 kV		
2	Telangana	Rs.475/kVA/Month	Rs.7.65 for 11 kV		
			Rs.7.15 for 33 kV		
			Rs.6.65 for 132 kV		
3	Karnataka	Rs.275/ kVA /Month	i)Urban:Rs.7.50 Rural:Rs.7.40 (For the Frist one lakh units.) ii)Urban:Rs.7.80 Rural:Rs.7.60 (For the remaining units.)		
4	Tamil Nadu	Rs.550/ kVA /Month	Rs.6.35		
5	Kerala	i) Rs.390/ kVA /Month (33 kV) ii) Rs.400/ kVA /Month (66 kV) iii) Rs.390/ kVA /Month (110 kV) iv) Rs.360/ kVA /Month (220 kV)	Rs. 6.10 for 33 kV Rs.6.00 for 66 kV Rs.5.90 for 110 kV Rs.5.30 for 220 kV		
6	Maharashtra	Rs.454/ kVA /Month	Rs.6.89 for both HV and EHV , separate wheeling charge of Rs.0.89 for other than EHV consumers		
7	Gujarat	Rs. 150/- per kVA per month	For first 500 kVA of billing demand Rs.4.00		
		Rs. 260/- per kVA per month	For next 500 kVA of billing demand Rs.4.2		
		Rs. 475/- per kVA per month	For billing demand in excess of 1000 kVA Rs.4.30		
8	Odisha	a. Rs.150/ kVA /Month (HT) b. Rs.250/ kVA /Month (EHT)	LF< HT -Rs.5.85, EHT-Rs.5.8 LF>60 HT-Rs.4.75, EHT-Rs.4.7		
9	Madhya Pradesh	Rs.608/ kVA /Month 33 kV			
		Rs.742/kVA/Month 132 kV	33kV	LF<50%	LF.50%
		Rs.742/kVA/Month 220 kV	132kV	Rs.5.26	Rs.5.26
			220kV	Rs.5.20	Rs.5.20
10	Haryana (TO-2021-22)	Rs. 165/- per kVA per month	Rs.6.65 for 11 kV Rs.6.55 for 33 kV Rs.6.45 for 66 kV Rs.6.35 for 220 kV Rs.6.25 for 400 kV		
11	Uttar Pradesh	i) Rs.300/ kVA /Month (11 kV) ii) Rs.290/kVA/Month (33 kV) iii) Rs.270/kVA/Month (132 kV) iv) Rs.270/kVA/Month (>132 kV)	Rs.7.10 for 11 kV Rs.6.80 for 33 kV Rs.6.40 for 132 kV Rs.6.10 for >132 kV		

S. No.	State	Demand Charges	Energy Charges
12	Punjab	i. For load >100 kVA & ≤1000 kVA (Rs.190/KVA) ii. Load >1000 KVA & ≤2500 kVA (Rs.275/KVA) iii. LOAD >2500 kVA (Rs.315/ kVA)	i.Rs.6.09 ii.Rs.6.40 iii.Rs.6.49
13	Rajasthan	Rs.270/kVA/Month 220 kV	Rs.7.30 for 11 kV Rs.7.081 for 33 kV Rs.7.008 for 132 kV Rs.6.935 for 220 kV

As can be seen from the table above, the energy charges for this category are lower in the State of Andhra Pradesh than in any other state. The Commission also examined the cost of service at various voltage levels and the average cost of supply of each licensee as approved by the Commission for FY 2024-25. After considering all these factors, the Commission finds no justification for reducing or removing Demand Charges for energy-intensive industries.

140. **The tariff difference between 33 kV and 132 kV is not commensurating with the difference in CoS:** As part of the tariff setting exercise the Commission is determining indicative cost of service (CoS) at each voltage level. This forms the basis for fixation of full cost recovery tariff subject to meeting certain guiding principles in National Tariff Policy-2016 that the tariff shall be within +_20% of the average cost of supply of the licensee. Since the tariff determined by the Commission for 33 kV voltage level in this order is within the range prescribed in the National Tariff policy-2016, the Commission is not inclined to accept the request of certain consumers to reduce for 33kV, with reference to 132kV consumers in tune with the difference in absolute CoS.
141. **The tariff difference between 220 kV & 132 kV is only 5 paise/Unit despite a CoS difference of 12 Paise /Unit:** As regards the request to differentiate the tariff for 220 kV consumers by at least 10 paise less than the 132 kV consumers corresponding to the difference of CoS between 132 kV and 220 KV, the CoS determined for 132 kV and 220 kV is only indicative and accordingly, the tariff for 220 kV consumers is fixed 5 paise less than that for the 132 kV consumers. The CoS difference between the 132 kV and 220 kV consumers is not the basis for tariff fixation and the tariff shall be (+)/(-) 20 percent of the average cost of the service of the licensee as per the National Tariff Policy. As can be seen from the Average billing rates of 132 kV and 220 kV consumers, their ABR is less than ACoS but within (-) 20 per cent of ACoS as can be seen from the table below:

Particulars	APSPDCL	APCPDCL	APEPDCL
ABR of 132kV & above consumers	7.56	7.97	6.32
Average cost of service (ACoS)	8.21	8.25	7.01

Therefore, the Commission is not inclined to accept the request.

142. **Categorising Telecom Mobile Towers in Industry:** The Commission has carefully examined the submissions made by the Advocate on behalf of Bharti Airtel for consideration of tariffs of mobile towers under the Industry category which are almost a repetition of their submissions last year.

In this regard, it is relevant to reiterate the Commission's opinion in last year's RST order as shown below.

"The conclusions drawn by the Hon'ble Supreme Court in its judgments on the SERC's power on tariff determination, and the State/Central Govt. role in regulating electricity tariffs.

(Civil Appeal No. 2926 of 2006, APTRANSCO Vs SAI RENEWABLES.)

"All policy directions shall be issued by the State Govt. consistent with the objects sought to be achieved by this Act and, accordingly, shall not adversely affect or interfere with the functions and powers of the Regulatory Commission including, but not limited to, determination of the structure of tariffs for supply of electricity to various classes of consumers. The State Govt. is further expected to consult the Regulatory Commission in regard to the proposed legislation or rules concerning any policy direction and shall duly take into account the recommendation by the Regulatory Commission on all such matters. Thus, the scheme of these provisions is to grant supremacy to the Regulatory Commission and the State is not expected to take any policy decision or planning which would adversely affect the functioning of the Regulatory Commission or interfere with its functions. This provision also clearly implies that fixation of tariff is the function of the Regulatory Commission and the State Govt. has a minimum role in that regard."

(Emphasis supplied)

Further, in civil appeal no.1933 of 2022, the Supreme court in its judgment dated 23.11.2022 (The TATA power company Ltd Vs MERC), held:

"This Court in Reliance Infrastructure (supra) has already held that the NTP is one of the material considerations. The NTP is one of the many guidelines that the Commission must necessarily consider while regulating tariff. The State and the Central Government only have an advisory role in the regulation of tariff. The Electricity Regulatory Commissions Act 1998, which was consolidated with other statutes on electricity while enacting the Electricity Act 2003, was enacted to distance the governments from the determination of tariffs."

As can be seen from the above judgments of the Hon'ble Supreme Court, the policies of the State/Central government are not binding on the SERCs' in tariff determination. Therefore, the IT policy of GoAP referred to by the Telecom Service providers is not binding on this Commission. The recommendations of FoIR, and TRAI are suggestive only. Further, the Electricity Rules referred to by the TSPs were issued in purported exercise of the residuary powers of the Central government on the matters which are in the exclusive domain of SERCs under the Electricity Act, 2003. Therefore, they are also not binding this commission. As opined by the DISCOMS, all service providers are to be billed under the commercial category by

application of definitions in the Retail Supply Tariff Orders and not under the Industry category. Therefore, the Commission is not inclined to include the mobile towers under Industrial Category as they do not fall under the definition of Industrial category.”

As regards the tariff rationalization, the average ACoS of all the licensees is Rs.7.73, whereas the average billing rate of LT Consumers excluding cross-subsidy and the govt. subsidy is in the range of Rs.3.69-Rs.4.81 per unit which is below the ACoS for FY2024-25. All the telecom towers are availing supply under LT category and therefore further reduction of the tariff of any category under LT supply will further reduce the Average Billing Rate of LT supply. Moreover, the DISCOMS have projected a huge revenue gap without any tariff hike proposals except for Railways. Any change of tariffs in the name of rationalisation tariffs for mobile towers will further increase the revenue gap. Therefore, the Commission is not inclined to accept the request of M/s Bharti Airtel. However, the TSPs have appealed against the Commission's Order on the above aspect before the Hon'ble APTEL and the same is pending adjudication. Hence, the Commission's decision is subject to the outcome of the pending proceedings before the Hon'ble APTEL.

143. **Reduction of Penal Charges for Exceeding CMD:** The Commission reiterates that the present penal charges on Energy & Demand for exceeding CMD are reasonable. This Commission has earlier modified the method of imposition of penalties on the entire energy component in case the RMD exceeds the CMD. By the present method, only the excess portion of energy attributable to the excess CMD is chargeable at penal rates, instead of levying penalties on the entire energy consumption as was done earlier. This being so, the Commission does not find any justification for reviewing its earlier view taken in the previous tariff orders while dealing with the same request.
144. **The request of the Chlor Alkali industry for Category change from Industry General to Energy Intensive Industry:** As these industries do not satisfy the prescribed applicability criteria in RST orders for falling in the energy-intensive category, the Commission is not inclined to accept the same.
145. **Covering Sago Mills in the Seasonal Industry:** The Commission has examined the request of the sago Industry. Keeping in view the pattern of the usage of power, constraints explained and particularly the request satisfying the criteria specified for seasonal industries, the Commission is inclined to accept the request and accordingly, Sago mills are included in the scope of Seasonal Industries under Category-III.
146. Fixed charges for loads beyond 100 HP and up to 150 HP be charged at Rs 75/HP/Month in respect of Poultry Hatcheries & Feed Mixing Plants: In the LT-Industry General category flexibility has been given to the small industries to use loads up to 150 HP, even though the threshold for usage of power in LT segment is 100 HP. Otherwise, these consumers ought to be placed in the HT-Industry category and would have paid Demand chargers at a rate of

Rs 475/KVA/Month. As some relaxation has already been provided, further reduction of fixed charges is not possible in view of the large revenue gap projected by the DISCOMS and accordingly the request is not accepted.

147. **Not to impose ToD charges on Poultry Feed Mixing Plants:** The Commission has already exempted ToD charges to Aqua hatcheries and Aqua feed mixing plants and Poultry hatcheries and Poultry feed mixing plants earlier and the same is being continued in the present Order also.
148. **Peak ToD charges to be pegged at Rs.1.0/Unit for all seasons:** The entire year has been divided into High Demand season and Low Demand season depending on monthly grid demand pattern, Huge deficit situations are observed during high demand season. Any procurement from the short-term market during those periods to meet unexpected deficits is posing a huge burden to the DISCOMS. Hence, the Commission is not inclined to accept the request.
149. **Providing a certain percentage of contracted load in the Poultry sector for the usage of staff quarters and office purposes:** After due consideration of the issues raised by AP Poultry Federation and the practical problems concerned, the Commission felt it appropriate to allow up to 5% of the total consumption in the Poultry form for the usage of staff quarters and office premises. For measurement of non-poultry load consumption in the poultry forms, loads are to be segregated and a separate sub-meter at the cost of the consumer be installed and sealed by the DISCOMS. If during any month, non-poultry consumption exceeds 5% of total consumption, the consumption exceeding 5 per cent in the Sub-Meter shall be billed in the Non-Domestic category. Accordingly, the Terms & Conditions of the Retail Supply tariff in this order are modified.
150. **Considering Bank Guarantee as Security Deposit:** A Bank guarantee can be invoked at the time the consumer commits default of payment of electricity charges to the DISCOMS. However, the same cannot meet the working capital required by the DISCOMS. In the regulatory practice, the security deposit held by the licensees is availed for working capital management and the Commission has been allowing interest on security deposit as a cost item in the ARR of Retail Supply Business. In view of this, a bank guarantee cannot be considered as a valid security deposit.
151. **Introduction of early payment Rebate:** As regards allowing certain incentives to encourage early payment by the consumers and to avoid cluttering of payments within a few days towards the end of disconnection date and to relieve the stress and burden on employees for revenue collections, keeping in view the financial implications and over all timely payments being received by the DISCOMS, the Commission is not inclined to accept the suggestion more so in the absence of any proposal from the DISCOMS in this regard.

152. As regards the issue of billing of Minimum Energy charges for the Energy Intensive Ferro Alloy Industry based on 80% of contracted demand, as there is no justification in the request, the same is not accepted by the Commission.

153. **Grid Support charges:** This Commission determined the Grid Support charges in the RST Order for FY 2022-23 after taking into account all the objections raised while determining the same on pages 150 to 153 of Volume I of the Retail Supply Tariff Order for FY 2022-23. However, the Hon'ble APTEL in its order in Appeal No. 228 of 2022 & IA No. 1962 of 2023, IA No. 722 of 2022, IA No. 1014 of 2023 and Appeal No. 391 of 2023 & IA No. 1323 of 2022, IA No. 1025 of 2023, filed by Rain CII Carbon (Vizag) Ltd & Others Vs APERC on Determination of Grid Support Charges in RSTO-2022-23 held as follows:

“For the foregoing reasons as stated above, we are of the considered view that the captioned Appeal No. Appeal No. 228 of 2022 and Appeal No. 391 of 2023 have merit and allowed, the levy of Grid Support Charges on the Appellant's non-captive power plant shall be limited to only the power consumed by the co-located load, also the direction to give an undertaking that he will pay GSC and only then his Format A Application for sale of power through IEX will be processed is also set- aside. Accordingly, the Impugned Order is set aside to the limited extent.”

It is clear from the above, the Hon'ble APTEL only set aside the GSC for non-co-located captive power plants but not for co-located captive plants. Hence, keeping in view of the above, the terms and conditions of GSC are modified as below.

Grid support charges/parallel operation charges for FY2024-25 shall be collected from only co-located captive power plants. The captive power plant status shall be verified as per the MoP rules and CEA guidelines in this regard. The other conditions are as mentioned below:

- i. The parallel operation/grid support charges are to be applied to the total installed capacity of the generators connected to the Grid duly deducting the OA capacity or the PPA capacity if any with the DISCOMS.
- ii. Conventional CPPs shall pay Rs.50 per kW per month.
- iii. Renewable energy plants including waste heat recovery plants, plants based on municipal solid waste, and co-gen plants shall pay Rs.25 kW per month.
- iv. Rooftop solar plants under net metering/gross metering policy shall pay Rs.15 per kW per month.
- v. Co-gen sugar mills shall pay charges of Rs. 25 per kW per month, for a period of 4 months or actual operation period, whichever is higher.
- vi. These charges shall not be applicable when the plants are under shutdown for any reason and when such shutdown period exceeds two months.

154. Inclusion of Flour Mills, Batter Mills, Wet Grinders, and Chill powder mills in rural areas in the cottage industry.: There is no merit in the request and hence the Commission is not inclined to accept the same.
155. **CSS Charges:** The Licensees have filed CSS applications along with ARR & FPT proposals for FY 2024-25 and the same are determined by the Commission in chapter XI of this Order.
156. **RESCOS:** The APEPDCL has undertaken electricity supply activity in the two RESCO areas of Anakapalle and Cheepurupalle as per the order of this Commission. However, the KUPPAM RESCO is continuing its activity and the exemption application of this RESCO is pending adjudication. Pending adjudication, the tariff for the supply of energy by APSPDCL to Kuppam RESCO is approved as filed.
157. The Commission, after incorporating the decisions as stated above, has accordingly prepared a Reference Tariff Schedule (RTS) for FY2024-25. This tariff schedule reflects the well-considered views of the Commission with regard to charges/rates for all consumer categories after considering the views/objections/suggestions of all stakeholders and GoAP's willingness to provide subsidies under section 65 of the Electricity Act, 2003. The complete Reference Tariff Schedule for FY2024-25 is given below:

Table 75: Reference Tariff Schedule (RTS) for FY2024-25
(Rates/Charges as fixed by APERC)

Category	Consumer Category	LT SUPPLY		↔ Billing Unit	HT SUPPLY					
		Fixed / Demand Charges per month (Rs./kW)	Energy Charges (Rs./Unit)		Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)				
						11 kV	33 kV	132 kV	220 kV	
I	DOMESTIC									
	(A) : Domestic (Telescopic)									
	0-30	10	1.90	kWh	-	-	-	-	-	
	31-75	10	3.00	kWh	-	-	-	-	-	
	76-125	10	4.50	kWh	-	-	-	-	-	
	126-225	10	6.00	kWh	-	-	-	-	-	
	226-400	10	8.75	kWh	-	-	-	-	-	
	>400	10	9.75	kWh	-	-	-	-	-	
	Consumers whose consumption is more than 500 units per month can opt for smart meters and ToD rebate of Rs.1 per unit is applicable for such consumers for consumption between 10 AM to 12 Noon.									
	(B):Townships,Colonies, Gated Communities and Villas	-	-	kVAh	75	7.00	7.00	7.00	7.00	

Category	Consumer Category	LT SUPPLY		↔ Billing Unit	HT SUPPLY					
		Fixed / Demand Charges per month (Rs./kW)	Energy Charges (Rs./Unit)		Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)				
						11 kV	33 kV	132 kV	220 kV	
II	COMMERCIAL & OTHERS									
	A (i) : Commercial									
	0-50	75/kW	5.40	kWh/kVAh	475	7.65	6.95	6.70	6.65	
	51-100		7.65	kWh/kVAh						
	101-300		9.05	kWh/kVAh						
	301-500		9.60	kWh/kVAh						
	Above 500 units		10.15	kWh/kVAh						
	Time of Day tariff (TOD) - Peak (6 PM to 10 PM)	-	-	kWh/kVAh	-	8.65	7.95	7.70	7.65	
	(ii) Advertising Hoardings	100	12.25	kWh/kVAh	-	-	-	-	-	
	(iii) Function halls / Auditoriums	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25	
	(B): Startup power	-	12.25	kWh/kVAh	-	12.2	12.25	12.25	12.25	
	(C): Electric Vehicles/Charging Stations	-	6.70	kWh/kVAh	-	6.70	6.70	6.70	6.70	
	(D): Green Power	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25	
III	INDUSTRY									
	(A): Industry (General)	75/kW	6.70	kWh/kVAh	475	-	-	-	-	
	Time of Day tariff (TOD) (High Grid Demand) (Feb'25, Mar'25), (Apr'24- May'24) & (Sep'24-Oct'24)									
	Peak (06-10) & (18-22)	-	-			7.80	7.35	6.90	6.85	
	Off-Peak (10 -15) & (00-06)	-	-			5.55	5.10	4.65	4.60	
	Normal (15-18) & (22-24)	-	-			6.30	5.85	5.40	5.35	
	Time of Day tariff (TOD) (Low Grid Demand) (Jun'24-Aug'24) & (Nov'24-Jan'25)									
	Peak (06-10) & (18-22)	-	-			7.30	6.85	6.40	6.35	
	Off-Peak (10 -15) & (00-06)	-	-			5.55	5.10	4.65	4.60	
	Normal (15-18) & (22-24)	-	-			6.30	5.85	5.40	5.35	
	Industrial Colonies	-	-			kWh/kVAh	-	7.00	7.00	7.00
	(B): Seasonal Industries (off-season)	75/kW	7.45	kWh/kVAh	475	7.65	6.95	6.70	6.65	
	(C): Energy Intensive Industries	-	-	kWh/kVAh	475	5.80	5.35	4.95	4.90	
	(D): Cottage Industries up to 10HP *	20/kW	3.75	kWh	-	-	-	-	-	
	* - Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018									

Category	Consumer Category	LT SUPPLY		↔ Billing Unit	HT SUPPLY				
		Fixed / Demand Charges per month (Rs./kW)	Energy Charges (Rs./Unit)		Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
						11 kV	33 kV	132 kV	220 kV
IV	INSTITUTIONAL								
	(A): Utilities (Street Lighting, NTR Sujala Pathakam, CPWS and PWS)	75/kW	7.00	kWh/kVAh	475	7.65	6.95	6.70	6.65
	(B): General Purpose	75/kW	7.00	kWh/kVAh	475	7.95	7.25	7.00	6.95
	(C): Religious Places	30/kW	5.00	kWh/kVAh	30	5.00	5.00	5.00	5.00
	(D): Railway Traction	-	-	kVAh	350	6.50	6.50	6.50	6.50
V	AGRICULTURE & RELATED								
	(A): Agriculture								
	(i) Corporate farmers	-	3.50	kWh	-	-	-	-	-
	(ii) Non-Corporate farmers	-	-	-	-	-	-	-	-
	(iii) Salt farming units up to 15 HP	-	2.50	kWh	-	-	-	-	-
	(iv) Sugarcane crushing	-	-	-	-	-	-	--	-
	(v) Rural Horticulture Nurseries	-	-	-	-	-	-	--	-
	(vi) Floriculture in Green House	75/kW	4.50	kWh/kVAh	-	-	-	-	-
	(B):Aquaculture and Animal Husbandry	30/kW	3.85	kWh/kVAh	30	3.85	3.85	3.85	3.85
	(D):Agro Based Cottage Industries up to 10HP	20/kW	3.75	kWh	-	-	-	-	-
	(E):Government / Private Lift Irrigation Schemes	-	6.40	kVAh	-	7.15	7.15	7.15	7.15
Note:	(i) Temporary Supply: There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.								
	(ii) Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (i) Commercial								

CHAPTER – IX

FULL COST RECOVERY TARIFF DETERMINATION

Introduction

158. As per the Reference Tariff Schedule (RTS) (determined in Chapter – VIII of this Order), the licensees will not be able to recover Rs.13,769.84 Cr. out of the total approved ARR of Rs.56,501.81 Crores for the FY2024-25. Hence, the Commission proposes in this chapter to determine the Full Cost Recovery Tariff Schedule (FCRTS) for FY2024-25 as per clause 20 of APERC Regulation 4 of 2005 at which the total approved ARR can be recovered. FCRTS is finalised by revising the charges/rates fixed upwards in RTS of subsidised consumers particularly the Category-I, Domestic-LT and Category-V, Agriculture and Related-LT for bridging the revenue gap of Rs.13,769.84Cr.

Objections/Suggestions/Views

159. The objections/views/suggestions received from various stakeholders and the responses of the DISCOMS on the same are referred to herein:
- i. FAPCCI stated that the Full Cost Recovery Tariffs do not mean that the tariffs from subsidising categories be fixed first and then subsidy be juxtaposed thereon. Rather, the tariffs be fixed for all consumer categories at cost of service levels or $\pm 20\%$ of CoS levels. Thereupon, the subsidised tariffs should be worked upon after considering the available subsidy levels from the State Government. Given the relevant observations of the Appellate Tribunal, for any power to be made available free of cost to any category of consumers, the government has to release an upfront subsidy in full. The Commission may approve full and commensurate subsidy for FY 2024-25 towards power to subsidised LT Domestic and Agriculture Consumers.
 - ii. Sri. B.Tulasidas, Kandarapu Murali & others stated that there is a huge outstanding subsidy amount of Rs.22,234.60 Crs payable by the State Govt. This is making the DISCOMS to depend on huge working capital loans resulting in a burden of interest. The Commission may take steps such that timely subsidy is released from the GoAP. Further, during the public hearings, some objectors stated that payment of reasonable interest in case of delay in disbursement of advance subsidy by the GOAP may be fixed by the Commission.
 - iii. During the hearings, Sri. M. Venugopala Rao stated that the three DISCOMS have shown a subsidy due up to September 2023 as Rs.22,234.60 crore from the GoAP. Even though the State Govt is issuing a commitment letter before issuing of tariff order, in reality, they are not paying the subsidy in advance or in time. He requested the Commission to explore the possibility of getting the commitment of GoAP in a legally binding and irrevocable way, with a stipulation that, for the delay in providing the agreed subsidy in time, it should also pay reasonable interest to the DISCOMS for the delayed period. Otherwise, the DISCOMS have to take loans for working capital, bear the burden of

interest thereon and incur losses. If the burden of interest on working capital is allowed as a pass-through to be collected from the consumers, it would be tantamount to penalising them for the failure of commission or omission of the GoAP.

DISCOMs' Response: The Commission is making efforts to realize the outstanding subsidy from GoAP through regular pursuance and issuing required suggestions.

Commission's Determination of FCRTS

160. The subsidy requirement to fully commensurate with the shortfall in respect of the subsidised class of consumers has been communicated to the Government and the Government in its letter dated 04.03.2024, has undertaken to provide the subsidy as per the communication of this Commission. The full-cost tariffs determined in this chapter apply only when the State Government fails in its commitment. The full cost determination needs to be done only for subsidised classes as other classes of consumers are already either cross-subsidising or within the 80-120 per cent band of AcoS, and hence there is no necessity to revise tariff for those categories.

With regards to the submissions of Sri Venu Gopala Rao & Others, on the enforcement of subsidy commitment by the state government in a legally binding manner and interest in subsidy if it gets delayed, the State Electricity Regulatory Commissions (SERCs) are entities established under the framework of the Electricity Act, 2003, with designated functions and powers. Notably, the Act does not confer any authority upon the Commissions over the respective State Governments in any capacity. The Commission is mandated to operate strictly within the parameters defined by the Act and is obligated to be guided by the guidelines set forth by the National Electricity Policy (NEP) and National Tariff Policy. Section 65 of the Act stipulates that if the State Government desires to provide any subsidy to any consumer or class of consumers within the tariff determined by the State Commission under Section 62, they shall, notwithstanding any direction which may be given under Section 108, pay in advance and in such manner as may be specified by the Commission, the amount to compensate the person affected by the subsidy, as a condition for the licensee or any other person concerned to implement the subsidy provided by the State Government. As per the proviso to section 65, no such direction of the State Government shall be operative if the payment is not made in accordance with the provisions contained in this section and the tariff fixed by the State Commission shall be applicable from the date of issue of orders by the Commission in this regard. Para 5.5.4 of NEP stipulates that the State Governments may give advance subsidy to the extent they consider appropriate in terms of section 65 of the Act in which case necessary budget provision would be required to be made in advance so that the utility does not suffer financial problems that may affect its operations. That effort would be made to ensure that the subsidies reach the targeted beneficiaries most transparently and efficiently. Para 8.2.1 (3) of the National Tariff Policy (NTP) stipulates that Section 65 of the Act provides that no direction of the State Government regarding the grant of subsidy to consumers in the tariff determined by the State Commission shall be operative

if the payment on account of subsidy as decided by the State Commission is not made to the utilities and the tariff fixed by the State Commission shall be applicable from the date of issue of orders by the Commission in this regard. NTP further states that the State Commissions should ensure compliance with this provision of law to ensure the financial viability of the utilities. NTP also states that to ensure implementation of the provision of the law, the State Commission should determine the tariff initially, without considering the subsidy commitment by the State Government and subsidised tariff shall be arrived at thereafter considering the subsidy by the State Government for the respective categories of consumers. The Commission in discharge of its functions, shall be guided by the National Electricity Policy, National Electricity Plan and Tariff Policy published under Section 3 under Section 86 (4) of the Electricity Act, 2003. Accordingly, the Commission proposes to determine the full cost tariffs in this chapter. As stated by the stakeholders, though the subsidy is to be paid in advance by the government under section 65 of the Electricity Act, 2003, in practice, the state governments are not releasing the subsidy as per the Electricity Act, 2003. Hence, the Government of India by letter dated 03.07.2023 has communicated to all state governments the Standard Operating Procedure (SoP) on subsidy accounting and payment to ensure the timely payment of subsidies to the DISCOMS. The SoP also provides for payment of interest in case the subsidy payment is delayed by the State Governments. Hence, to protect the interest of DISCOMS and its consumers, to avoid the accumulation of subsidies and also to compensate DISCOMS towards their interest liability arising on account of the delayed release of subsidies by the Government, **the Commission holds that DISCOMS are entitled to interest as envisaged by the SoP issued by GoI dated 03.07.2023 and also request the State government to account for the subsidy as per SoP dated 03.07.2023 in respect of the subsidy committed to the DISCOMS for FY 2024-25.** Having considered the objections, the Commission determines the FCRTS as detailed in the following paragraphs.

161. All the consumer categories have been classified into “subsidising” and “subsidised” categories:

Subsidising: Consumer categories for whom the revenues at Reference Tariff Schedule (RTS) are more than their cost of service during FY2024-25.

Subsidised: Consumer categories for whom the revenues at Reference Tariff Schedule (RTS) are less than their cost of service during FY2024-25.

Allocation of Available Surplus

162. As per the practice in vogue, the surplus available from the estimated revenue of all the subsidising consumer categories has been used to meet the deficit of subsidised consumers in full excluding “Category V: Agriculture - LT” and “Category-I (A): Domestic-LT”. In Stage II, the remaining surplus income available has been allocated in full to “Category-I (A): Domestic-LT” & “Category V: Agriculture - LT” in order. For FY 2024-24, the surplus

available after stage 1 is not sufficient to meet the shortfall in Category-I (A): Domestic-LT full. Accordingly, the shortfall revenue required to be bridged to recover full costs for “Category-I: Domestic – LT” and “Category V: Agriculture & Related- LT” for the three licensees is shown in the table below:

S. No.	Consumer Category		Amount (₹ Cr.)			
			APSPDCL	APCPDCL	APEPDCL	For three DISCOMs
1	I	LT-Domestic	1591.74	1122.72	480.11	3194.57
2	V	LT-Agricultural & Related				
3		(i) Free power categories	5878.20	1779.91	1584.83	9242.94
4		(ii) Aquaculture and Animal Husbandry	171.38	438.76	710.13	1320.27
5		(iii) Others	1.92	6.13	4.01	12.06
6	Tariff Subsidy for FY2024-25		7643.24	3347.52	2779.08	13769.84

Charges for Full Cost Recovery

163. To bridge the shortfall of revenue as shown in the table above, the full cost tariffs for “Category-I: Domestic – LT” and “Category V: Agriculture & Related - LT” have been determined by the Commission and shown in the table below:

Category	Consumer Category	Fixed / Demand Charges per month (Rs./kW)	Energy Charges (Rs./kWh)		
			SPDCL	CPDCL	EPDCL
I	DOMESTIC-LT				
	(A) : Domestic (Telescopic)				
	0-30	10	6.23	4.86	3.33
	31-75	10	6.51	5.50	4.00
	76-125	10	6.70	6.00	4.50
	126-225	10	7.00	7.20	6.00
V	AGRICULTURE & RELATED-LT				
	(A): Agriculture				
	(i) Corporate farmers	-	7.74	8.10	6.90
	(ii) Non-Corporate farmers	-	8.44	8.50	7.50
	(iii) Salt farming units up to 15 HP	-	7.70	8.15	7.50
	(iv) Sugarcane crushing	-	8.40	8.15	7.00
	(v) Rural Horticulture Nurseries	-	8.45	8.20	7.50
	(vi) Floriculture in Green House	-	7.30	7.00	6.00
	(B): Aquaculture and Animal Husbandry	-	7.60	8.00	7.00
	(D): Agro Based Cottage Industries up to 10 HP	-	7.40	8.20	7.00
(E): Government/Private Lift Irrigation Schemes	-	7.85	8.24	6.40	

164. With the above charges/rates, the licensees will be able to recover the Aggregate Revenue Requirement (ARR) in full during FY2024-25. The revenue estimated by the Commission category-wise at tariffs in FCRTS is shown in Annexure-12.
165. The revised rates as shown in the above paragraph for “Category I (A): Domestic – LT” and “Category V: Agriculture & Related – LT” for the three licensees have been substituted in the “Reference Tariff Schedule” (RTS) to create the “Full Cost Recovery Tariff Schedule" (FCRTS) for FY2024-25.
166. Accordingly, the FCRTS approved by the Commission for FY2024-25 is given in the table below:

**Table 76: Full Cost Recovery Tariff Schedule (FCRTS) for FY2024-25
(Rates / Charges as determined by APERC)**

Consumer Category	LT SUPPLY	Full Cost Tariffs (Rs./Unit)			Billing Unit	HT SUPPLY					
	Fixed / Demand Charges per month (Rs./HP or kW)					↔	Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
		SPDCL	CPDCL	EPDCL				11 kV	33 kV	132 kV	220 kV
I	DOMESTIC										
	(A) : Domestic (Telescopic)										
	0-30	10	6.23	4.86	3.33	kWh	-	-	-	-	
	31-75	10	6.51	5.50	4.00	kWh	-	-	-	-	
	76-125	10	6.70	6.00	4.50	kWh	-	-	-	-	
	126-225	10	7.00	7.20	6.00	kWh	-	-	-	-	
	226-400	10	8.75	8.75	8.75	kWh	-	-	-	-	
	>400	10	9.75	9.75	9.75	kWh	-	-	-	-	
	Consumers whose consumption is more than 500 units per month can opt for smart meters and ToD rebate of Rs.1 per unit is applicable for such consumers for the consumption between 10 AM to 12 Noon.										
	(B): Townships, Colonies, Gated Communities, and Villas	-	-	-	-	kVAh	75	7.00	7.00	7.00	7.00
II	COMMERCIAL & OTHERS										
	(A) : Commercial										
	0-50	75/kW	5.40	5.40	5.40	kWh/kVAh	475	7.65	6.95	6.70	6.65
	51-100		7.65	7.65	7.65	kWh/kVAh					
	101-300		9.05	9.05	9.05	kWh/kVAh					
	301-500		9.60	9.60	9.60	kWh/kVAh					
	Above 500 units		10.15	10.15	10.15	kWh/kVAh					
	Time of Day tariff (TOD)- Peak (6 PM to 10 PM)	-	-	-	-	kWh/kVAh	8.65	7.95	7.70	7.65	
	(iii) Advertising Hoardings	100/kW	12.25	12.25	12.25	kWh/kVAh	-	-	-	-	
	(iv) Function halls / Auditoriums	-	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(B) : Startup power	-	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(C): Electric Vehicles / Charging Stations	-	6.70	6.70	6.70	kWh/kVAh	-	6.70	6.70	6.70	6.70
	(D) : Green Power	-	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25

Consumer Category	LT SUPPLY	Full Cost Tariffs (Rs./Unit)			Billing Unit	HT SUPPLY						
	Fixed / Demand Charges per month (Rs./HP or kW)	SPDCL	CPDCL	EPDCL		↔	Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)				
								11 kV	33 kV	132 kV	220 kV	
INDUSTRY												
(A) : Industry (General)#	75/kW	6.70	6.70	6.70	kWh/kVAh	475	-	-	-	-		
Time of Day tariff (TOD) (High Grid Demand) (Feb'25, Mar'25), (Apr '24 'May'24) & (Sep'24-Oct'24)												
Peak (06-10) & (18-22)	-	-	-	-			7.80	7.35	6.90	6.85		
Off-Peak (10 -15) & (00-06)	-	-	-	-			5.55	5.10	4.65	4.60		
Normal (15-18) & (22-24)	-	-	-	-			6.30	5.85	5.40	5.35		
Time of Day tariff (TOD) (Low Grid Demand) (Jun'24-Aug'24) & (Nov'24-Jan'25)												
Peak (06-10) & (18-22)	-	-	-	-			7.30	6.85	6.40	6.35		
Off-Peak (10 -15) & (00-06)	-	-	-	-			5.55	5.10	4.65	4.60		
Normal (15-18) & (22-24)	-	-	-	-			6.30	5.85	5.40	5.35		
Industrial Colonies	-	-	-	-			kWh/kVAh	-	7.00	7.00	7.00	7.00
(B):Seasonal Industries(off- season)	75/kW	7.45	7.45	7.45			kWh/kVAh	475	7.65	6.95	6.70	6.65
(C) : Energy Intensive Industries	-	-	-	-			kWh/kVAh	475	5.80	5.35	4.95	4.90
(D): Cottage Industries upto 10HP *	20/kW	3.75	3.75	3.75	kWh	-	-	-	-	-		
* - Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018												
INSTITUTIONAL												
(A) : Utilities	75/kW	7.00	7.00	7.00	kWh	475	7.65	6.95	6.70	6.65		
(B) : General Purpose	75/kW	7.00	7.00	7.00	kWh/kVAh	475	7.95	7.25	7.00	6.95		
(C) : Religious Places	30/kW	5.00	5.00	5.00	kWh/kVAh	30	5.00	5.00	5.00	5.00		
(D) : Railway Traction	-	-	-	-	kVAh	350	6.50	6.50	6.50	6.50		
AGRICULTURE & RELATED												
(A) : Agriculture												
(i) Corporate farmers	-	7.74	8.10	6.90	kWh/kVAh	-	-	-	-	-		
(ii) Non-Corporate farmers	-	8.44	8.50	7.50	kWh/kVAh	-	-	-	-	-		
(iii) Salt farming units upto 15 HP	-	7.70	8.15	7.50	kWh/kVAh	-	-	-	-	-		
(iv) Sugarcane crushing	-	8.40	8.15	7.00	kWh/kVAh	-	-	-	-	-		
(v) Rural Horticulture Nurseries	-	8.45	8.20	7.50	kWh/kVAh	-	-	-	-	-		
(vi) Floriculture in Green House	75/kW	7.30	7.00	6.00	kWh/kVAh	-	-	-	-	-		
(B):Aquaculture and Animal Husbandry	30/kW	7.60	8.00	7.00	kWh/kVAh	30	3.85	3.85	3.85	3.85		
(D):Agro Based Cottage Industries upto 10 HP	20/kW	7.40	8.20	7.00	kWh	-	-	-	-	-		
(E):Government / Private Lift Irrigation Schemes	-	7.85	8.24	6.40	kVAh	-	7.15	7.15	7.15	7.15		
Note:	(i) Temporary Supply :There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.											
	(ii) Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (i) Commercial.											

167. In the absence of any external subsidy u/s 65 of the Electricity Act, 2003, the licensees shall charge the rates indicated in the above FCRTS during FY2024-25 for the Retail Sale of Electricity to generate the revenue required to meet the approved ARR for FY2024-25.
168. The Government of Andhra Pradesh vide G.O.Rt .No. 161 dated 15.11.2021 has requested the Commission to notify the unit-wise Government subsidy for different consumer categories as part of the annual tariff order. Therefore, having regard to the request of the Government, the unit-wise tariff, cross-subsidy and govt. subsidy for various subsidised consumer categories, as computed by the Commission are shown below:

Consumer Category	As per the RST order			Cross subsidy received per unit (Rs./Unit)			Govt subsidy per unit (Rs./unit)				
	Fixed /Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)			SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL	
		SPDCL	CPDCL	EPDCL							
I	DOMESTIC										
	(A) : Domestic (Telescopic)										
	0-30	10	1.90	1.90	1.90	3.02	3.34	4.52	2.64	2.49	0.41
	31-75	10	3.00	3.00	3.00	0.01	2.58	3.46	4.48	2.15	0.33
	76-125	10	4.50	4.50	4.50	0.00	0.00	0.10	2.58	2.92	1.87
126-225	10	6.00	6.00	6.00	0.00	0.00	0.00	0.86	1.42	0.41	
V	AGRICULTURE & RELATED										
	(A) : Agriculture										
	(i) Corporate farmers	-	3.50	3.50	3.50	0.00	0.00	0.00	4.22	4.44	3.49
	(ii) Non-Corporate farmers	-	0.00	0.00	0.00	0.00	0.00	0.00	8.44	8.30	7.24
	(iii) Salt farming units upto 15 HP	-	2.50	2.50	2.50	0.00	0.00	0.00	5.20	5.45	4.62
	(iv) Sugarcane crushing	-	0.00	0.00	0.00	0.00	0.00	0.00	8.38	0.00	7.24
	(v) Rural Horticulture Nurseries	-	0.00	0.00	0.00	0.00	0.00	0.00	8.44	7.99	7.25
	(vi) Floriculture in Green House	-	4.50	4.50	4.50	0.00	0.00	0.00	2.76	1.63	2.39
	(B): Aquaculture and Animal Husbandry	-	3.85	3.85	3.85	0.00	0.00	0.00	3.74	3.94	3.05
	(D): Agro Based Cottage industries up to 10 HP	-	3.75	3.75	3.75	0.00	0.00	0.00	3.58	4.28	3.26
(E): Government/ Private Lift Irrigation Schemes	-	6.40	6.40	6.40	0.00	0.00	0.00	1.41	1.68	0.00	

CHAPTER – X
RETAIL SUPPLY TARIFF SCHEDULE

Communication to Government of Andhra Pradesh

169. The Commission has informed the Government of Andhra Pradesh (GoAP) on 28.02.2024 with regard to requirement of external subsidy of Rs.13,589.18 Cr (APSPDCL – Rs.9,917.60 Cr., APCPDCL – Rs.2,298.75 Cr. and APEPDCL - Rs.1,372.83 Cr.) for FY2024-25 towards subsidy to “Category I (A): Domestic – LT” and “Category V: Agriculture – LT” and concessions extended to various classes of the consumers for all the three licensees, to maintain the rates as mentioned in the “Reference Tariff Schedule (RTS) for FY2024-25” with all relevant calculations including the details of “Full Cost Recovery Tariff Schedule for FY2024-25.”

Provision of Subsidy by Government of Andhra Pradesh

170. In response to the Commission’s letter dated: **28.02.24**, the Government of Andhra Pradesh has communicated vide letter No. 2373811/ENE01-APERCOMISC/3/2024-POWER-III, Dated:04-03-2024 (Annexure-15), that it undertakes to provide subsidy amounts determined by the Commission under Section 65 of Electricity Act, 2003. Therefore, out of the total subsidy amount of Rs.13,589.18 Cr. agreed to be provided by the State Government, the APSPDCL shall get Rs.9,917.60 Cr., APCPDCL shall get Rs.2,298.75 Cr and APEPDCL shall get Rs.1,372.83.

171. The Commission, in accordance with the decisions enumerated in earlier chapters and in view of the of GoAP undertaking to provide subsidy, hereby determines the Tariff for Retail Sale of Electricity with the terms and conditions applicable with effect from 01-04-2024 to 31-03-2025 in respect of the three distribution licensees (APSPDCL, APCPDCL & APEPDCL including the areas of RESCOs which are directed to be taken over by the respective DISCOMs) in the State of Andhra Pradesh, as under:

Table 77: TARIFF FOR RETAIL SALE OF ELECTRICITY DURING FY2024-25**(Applicable with effect from 01.04.2024 to 31.03.2025 in respect of three Distribution licensees, APSPDCL, APCPDCL and APEPDCL in the State of Andhra Pradesh)**

Category	Consumer Category	LT SUPPLY		↔ Billing Unit	HT SUPPLY				
		Fixed / Demand Charges per month (Rs/HP or kW)	Energy Charges (Rs./Unit)		Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
						11 kV	33 kV	132 kV	220 kV
I	DOMESTIC								
	(A) : Domestic (Telescopic)								
	0-30	10	1.90	kWh	-	-	-	-	-
	31-75	10	3.00	kWh	-	-	-	-	-
	76-125	10	4.50	kWh	-	-	-	-	-
	126-225	10	6.00	kWh	-	-	-	-	-
	226-400	10	8.75	kWh	-	-	-	-	-
	>400	10	9.75	kWh	-	-	-	-	-
	Consumers whose consumption is more than 500 units per month can opt for smart meters and ToD rebate of Rs.1 per unit is applicable for such consumers for consumption between 10 AM to 12 Noon.								
	(B) : Townships, Colonies, Gated Communities and Villas	-	-	kVAh	75	7.00	7.00	7.00	7.00
II	COMMERCIAL & OTHERS								
	A (i) : Commercial								
	0-50	75/kW	5.40	kWh/kVAh	475	7.65	6.95	6.70	6.65
	51-100		7.65	kWh/kVAh					
	101-300		9.05	kWh/kVAh					
	301-500		9.60	kWh/kVAh					
	Above 500 units		10.15	kWh/kVAh					
	Time of Day tariff (TOD)- Peak (6 PM to 10 PM)	-	-	kWh/kVAh	-	8.65	7.95	7.70	7.65
	(ii) Advertising Hoardings	100	12.25	kWh/kVAh	-	-	-	-	-
	(iii) Function halls / Auditoriums	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(B):Startup power	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
	(C):Electric Vehicles/Charging Stations	-	6.70	kWh/kVAh	-	6.70	6.70	6.70	6.70
	(D) : Green Power	-	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
III	INDUSTRY								
	(A) : Industry (General)	75/kW	6.70	kWh/kVAh	475	-	-	-	-
	Time of Day tariff (TOD) (High Grid Demand) (Feb'25, Mar'25), (Apr'24- May'24) & (Sep'24-Oct'24)								
	Peak (06-10) & (18-22)	-	-						

Category	Consumer Category	LT SUPPLY		↔	HT SUPPLY					
		Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)		Billing Unit	Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
							11 kV	33 kV	132 kV	220 kV
	Off-Peak (10 -15) & (00-06)	-	-			5.55	5.1	4.65	4.60	
	Normal (15-18) & (22-24)	-	-			6.30	5.85	5.40	5.35	
	Time of Day tariff (TOD) (Low Grid Demand) (Jun'24-Aug'24) & (Nov'24-Jan'25)									
	Peak (06-10) & (18-22)	-	-			7.30	6.85	6.40	6.35	
	Off-Peak (10 -15) & (00-06)	-	-			5.55	5.10	4.65	4.60	
	Normal (15-18) & (22-24)	-	-			6.30	5.85	5.40	5.35	
	Industrial Colonies	-	-	kWh/kVAh	-	7.00	7.00	7.00	7.00	
	(B) : Seasonal Industries (off-season)	75/kW	7.45	kWh/kVAh	475	7.65	6.95	6.70	6.65	
	(C) : Energy Intensive Industries	-	-	kWh/kVAh	475	5.80	5.35	4.95	4.90	
	(D) : Cottage Industries up to 10HP *	20/kW	3.75	kWh	-	-	-	-	-	
* - Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018										
IV	INSTITUTIONAL									
	(A) : Utilities (Street Lighting, NTR Sujala Pathakam, CPWS and PWS)	75/kW	7.00	kWh/kVAh	475	7.65	6.95	6.70	6.65	
	(B) : General Purpose	75/kW	7.00	kWh/kVAh	475	7.95	7.25	7.00	6.95	
	(C) : Religious Places	30/kW	5.00	kWh/kVAh	30	5.00	5.00	5.00	5.00	
	(D) : Railway Traction	-	-	kVAh	350	6.50	6.50	6.50	6.50	
V	AGRICULTURE & RELATED									
	(A) : Agriculture									
	(i) Corporate farmers	-	3.50	kWh	-	-	-	-	-	
	(ii) Non-Corporate farmers	-	-	-	-	-	-	-	-	
	(iii) Salt farming units up to 15 HP	-	2.50	kWh	-	-	-	-	-	
	(iv) Sugarcane crushing	-	-	-	-	-	-	--	-	
	(v) Rural Horticulture Nurseries	-	-	-	-	-	-	--	-	
	(vi) Floriculture in Green House	75/kW	4.50	kWh/kVAh	-	-	-	-	-	
	(B) : Aquaculture and Animal Husbandry	30/kW	3.85	kWh/kVAh	30	3.85	3.85	3.85	3.85	
	(D) : Agro Based Cottage Industries up to 10 HP	20/kW	3.75	kWh	-	-	-	-	-	
	(E) : Government / Private Lift Irrigation Schemes	-	6.40	kVAh	-	7.15	7.15	7.15	7.15	
Note:	(i) Temporary Supply: There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.									
	(ii) Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (i) Commercial									

TERMS AND CONDITIONS

(Applicable with effect from 01-04-2024 to 31-3-2025 in respect of the three Distribution Licensees in the State of Andhra Pradesh)

The Tariffs determined in PART 'A' and PART 'B' below are subject to the following general conditions.

The Tariffs are exclusive of Electricity Duty payable as per the provisions of AP Electricity Duty Act, 1939, Fuel and Power Purchase Cost Adjustment (FPPCA) determined by the Commission and True-up/True-down and any other order which may stipulate any other recovery from the Consumers.

PART 'A'

LOW TENSION (LT) SUPPLY

1. LT TARIFFS – TERMS AND CONDITIONS

- i. **System of Supply:** Low Tension A.C., 50 Cycles, Three Phase Supply at 415 Volts and Single-Phase supply at 240 Volts.
- ii. These tariffs are applicable for supply of Electricity to LT consumers with a connected load of 75kW/100 HP and below. However, All Industrial Category consumers are permitted up to 150 HP in LT Supply as per their option, by paying the prescribed tariff.

Whenever kVAh tariff is applicable, fixed charges shall be computed based on the recorded kVA or connected load whichever is higher. In all such cases the tariff indicated as Rs./kW will be applied as Rs./kVA. As and when a consumer is billed on kVAh basis no capacitor surcharge shall be levied. **All the consumers shall be billed based on kVAh except "Category-I: Domestic", "single phase services of any category", farmers in "Category-V: Agriculture & Related", and "Cottage industries and Flourmills up to 10HP"**

- iii. Supply shall be extended on single phase for a connected load up to 5 kW only.
- iv. The Licensees shall have the right to correct the category of supply of energy to any premises to an appropriate category of LT Tariff, in the event of any error or mistake in extending the supply to such premises under an inappropriate category.
- v. The applicability of the respective categories as enumerated is only illustrative but not exhaustive.

1.1 CATEGORY-I (A): DOMESTIC - LT

Applicability

This tariff is applicable for supply of electricity for lights, fans and other domestic electrical appliances for domestic purposes including electric vehicles (EVs) in domestic premises. Domestic establishment / premises is one which is used for dwelling/residential purposes.

Note: For domestic categories, the households having a separate kitchen will be treated as a separate establishment at the consumer's choice.

Based on the consumption during the billing month, the consumers shall be billed at the slab wise rates specified in the following table under telescopic method.

CATEGORY - I (A): DOMESTIC – LT (TELESCOPIC)	Energy Charges Rs./kWh
LT Cat-I : Domestic (Telescopic)	
0-30	1.90
31-75	3.00
76-125	4.50
126-225	6.00
226-400	8.75
>400	9.75
Consumers whose consumption is more than 500 units per month can opt for smart meters and ToD rebate of Rs.1 per unit is applicable for such consumers for the consumption between 10 AM and 12 Noon. The cost of the smart meter with modem along with the installation has to be borne by the consumer, who can opt to pay in lump sum or in equal monthly instalments subject to a maximum of 24 months.	

In addition to the above energy charges, the fixed charges of Rs.10 per kW and part thereof are applicable.

SPECIFIC CONDITIONS

- i. If electricity supplied to domestic premises is required to be used for non-domestic or commercial purposes, a separate connection should be taken for such loads under Category-II: Commercial & Others - LT, failing which the entire supply shall be charged under Category-II: Commercial & Others – LT, tariff, apart from liability for penal charges as per the General Terms and Conditions of Supply.
- ii. For common services like Water supply, common lights in corridors and supply for lifts in multi-storied buildings, billing shall be done as follows:
 - a. If the plinth area occupied by the domestic consumers is 50% or more of the total plinth area, it shall be billed at the tariff applicable for Category-I (A): Domestic-LT.

- b. If the plinth area occupied by the domestic consumers is less than 50% of the total plinth area, it shall be billed at the tariff applicable for Category-II (A):Commercial-LT,
- iii. Single Point LT services released to residential complexes of State Government/Central Government Departments under specific orders of Licensees with Contracted Load/Connected Load in excess of 56 kW / 75HP shall be billed under Category-I (A): Domestic - LT tariff slab rate applicable based on the average monthly energy consumption per each authorised dwelling i.e., total energy consumption in the month divided by the number of such dwelling units, in the respective residential complexes.

The above orders are subject to the following conditions, namely:

- a. Orders are applicable to Police Quarters and other State/Central Government residential complexes specifically sanctioned by the Licensees.
- b. Provided that, it is at the request of the designated officer, who shall give an unconditional undertaking that he will pay the bill for C.C. charges to the Licensees irrespective of collection from the individual occupants.
- c. The consumers shall be billed at the appropriate slab rates in tariff based on the average monthly consumption per dwelling unit in the complex.
- d. The meter reading shall be taken monthly in all such cases.
- e. The customer charges shall be levied at corresponding applicable rates, slab-wise per month for each dwelling unit.

1.2 CATEGORY-II: COMMERCIAL & OTHERS - LT

In this category, the consumers are divided into four groups viz. Category-II(A), Category-II(B), Category-II(C) and Category-II(D).

1.2.1 CATEGORY-II(A): COMMERCIAL - LT

1.2.1.1 CATEGORY- II (A) (i): COMMERCIAL - LT

Applicability

This tariff is applicable to:

1. Consumers who undertake non-domestic activity.
2. Consumers who undertake commercial activity.
3. Consumers who do not fall in any other Category i.e., Category-I(A):LT, Category-II(B):LT, Category-II(C):LT, Category-II(D):LT, Category-III:LT to Category-V: LT.
4. Consumers who avail supply of energy for lighting, fans, heating, air conditioning and other electric appliances in any commercial or non-domestic premises such as Shops, Business Houses, Offices, Public Buildings, Hospitals, Hostels, Hotels, Choultries, Restaurants, Clubs, Theatres, Cinema Halls, Bus Stations, Railway Stations, Timber Depots, Photo Studios, Printing Presses etc.

5. Educational institutions run by individuals, Non-Government Organisations or Private Trusts and their student hostels are also classified under this category.
6. This tariff is also applicable to Airports, Resorts, Amusement Parks, MICE Centers, Golf Courses, Botanical Gardens, Urban / Rural Haats, Tourism and Hospitality Training Institutes, Wayside Amenities, Spiritual / Wellness centres and Museums etc.

Description	Fixed Charges Rs./ kW/Month	Energy Charges (Rs./kWh or kVAh)
II (A) (i): Commercial - LT		
0-50	75	5.40
51-100	75	7.65
101-300	75	9.05
301-500	75	9.60
Above 500	75	10.15
Monthly minimum charges:		
Single Phase Supply		Rs.65 /month
Three Phase Supply		Rs.200/month

SPECIFIC CONDITIONS:

- i. For loads from 10 kW and above, LT tri-vector meter shall be provided. The connected load shall not exceed the contracted load specified in the agreement as per sanction accorded for the service.
- ii. The fixed charges shall be computed based on contracted load or actual Recorded Demand whichever is higher.
- iii. For the purpose of billing, 1 kVA shall be treated as 1kW.
- iv. In respect of the complexes having connected load of more than 56kW/75HP released under specific orders of Licensees for Single Point Bulk supply, where such complex is under the control of a specified organisation/agency taking responsibility to pay monthly current consumption bills regularly and abide by the General Terms and Conditions of Supply, the billing shall be done at the highest slab tariff rate under Category-II(A) (i): Commercial - LT. The energy shall be measured on the High-Tension side of the transformer. In case, where energy is measured on the LT side of the transformer, 3% of the recorded energy during the month shall be added to arrive at the consumption on the High Tension side of the transformer.

1.2.1.2 CATEGORY- II (A) (ii): ADVERTISING HOARDINGS – LT**Applicability**

This tariff is applicable for electricity supply availed through separate (independent) connections for the purpose of advertisements, hoardings and other conspicuous consumption such as external flood light, displays, neon signs at public places (roads, railway stations, airports etc.), departmental stores, commercial establishments, malls, multiplexes, theatres, clubs, hotels and other such entertainment /leisure establishments etc.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
100	12.25
Monthly minimum charges: Rs.300 / month	

1.2.1.3 CATEGORY- II (A) (iii): FUNCTION HALLS / AUDITORIA – LT**Applicability**

This tariff is applicable to Function Halls, Auditoria, Marriage Halls, Convention Centers, and the like.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
NIL	12.25
Monthly minimum charges: Rs.300 / month	

1.2.2 CATEGORY- II (B): STARTUP POWER – LT**Applicability**

This tariff is applicable for supply of electricity to startup power for Captive Generating Plants, Co-Generation Plants and Renewable Energy Generation Plants & also for Merchant plants.

The startup power is intended for those generators who require occasional and intermittent supply for startup operations of the generating unit(s) alone. However, the Captive and Cogeneration plants with their process plants being located in the same premises and have single connection with the grid (APTransco / DISCOMs) and who continuously depend on the licensees' supply for part of their energy requirement may be given option to either continue in their present category or to be included in this new category. Without giving an opportunity to all such generators to exercise options in this regard, the category change shall not be affected.

The Specific Conditions applicable for start-up power are as follows:

1. Supply is to be used strictly for generator start-up operations, maintenance and lighting purposes only.
2. This Category is also applicable to all the Wind and Solar plants who have PPAs with licensees.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
NIL	12.25

1.2.3 CATEGORY- II (C): ELECTRIC VEHICLES / CHARGING STATIONS – LT**Applicability**

This tariff is applicable for supply of electricity to Electric Vehicles and charging Stations that will provide electricity for charging such vehicles.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
NIL	6.70

Note:

- i. All charging stations established by the utilities for charging their vehicles viz APSRTC, DISCOMS, etc shall be levied a tariff of Rs.6.70 per kVAh.
- ii. All charging stations established by the Group Housing Societies, Commercial complexes, Malls, Hotels, and Public Charging Stations for charging the electric vehicles of the general public shall be levied 90 per cent of a tariff of Rs.6.70 per kVAh. Such charging stations shall collect the tariff of Rs.6.70 per kVAh from users.
- iii. The charging stations shall be given a separate connection duly ensuring not to use this supply for other purposes.
- iv. All domestic or other consumer categories who use their supply for charging their vehicles shall not be booked under malpractice.

1.2.4 CATEGORY- II (D): GREEN POWER – LT**Applicability**

This tariff is applicable to all consumers other than those covered under Category II (A) (ii) & Category II (A) (iii) who wish to avail power from Non-conventional sources of energy voluntarily and show their support to an environmental cause.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
NIL	12.25

Note:

1. The Tariff shall be optional and can be extended to any consumer without reference to end use purpose.
2. A consumer shall be entitled to Renewable Energy Certificates (RECs) as may be admissible.

1.3 CATEGORY-III: INDUSTRY – LT**1.3.1 CATEGORY-III (A): INDUSTRY (GENERAL) – LT****Applicability**

The following tariff shall be applicable for supply of electricity to Low Tension industrial consumers with a Contracted load of 75kW/100 HP and below. Industrial purpose shall mean, supply primarily for the purpose of manufacturing, processing and/or preserving goods for sale, but shall not include Shops, Business Houses, Offices, Public Buildings, Hospitals, Hotels, Hostels, Choultries, Restaurants, Clubs, Theatres, Cinemas, Bus Stations, Railway Stations and other similar premises, notwithstanding any manufacturing, processing or preserving of goods for sale.

This tariff will also apply to:

1. Water Works & Sewerage Pumping Stations operated by Government Departments or Co-operative Societies and pump sets of Railways, pumping of water by industries as subsidiary function and sewerage pumping stations operated by local bodies.
2. Workshops, flour mills, oil mills, saw mills, coffee grinders and wet grinders, ice candy units with or without sale outlets, grass cutting and fodder cutting units.
3. The Information Technology (IT) units identified and approved by the Consultative Committee on IT Industry (CCITI) constituted by GoAP.
4. Newspaper printing units.
5. Aqua hatcheries and Aqua feed mixing plants
6. Poultry hatcheries and feed mixing plants

Fixed charges (Rs./kW/Month)	Energy Charge (Rs./kWh or kVAh)
75.00	6.70

Note: LT captive feed mixing plants of Poultry Farms, Pisciculture, Prawn Culture and Dairy Farms having independent connections who are not covered under the GST regime are allowed to pay tariff of Rs.5.25/unit and demand charges of Rs.75 per kW.

7. All the industries under category-III industry general are permitted to avail load up to 150HP on exercise of option, with the following tariffs.

(Fixed charges on Telescopic Basis):

Connected Load	Fixed charges (Rs./kW/Month)	Energy Charge (Rs./kWh or kVAh)
Up to 100 HP	75.00	6.70
101 HP to 150 HP	275.00	6.70

Note: Without an advance option, the above tariffs are not applicable.

1.3.2 CATEGORY-III (B): SEASONAL INDUSTRIES (OFF SEASON) – LT

Applicability

This tariff is applicable to consumers who avail supply of energy under Category-III: Industry – LT for manufacture of sugar or ice or salt, decorticating, seed processing, fruit processing, ginning and pressing, cotton seed oil mills, tobacco processing, re-drying, Rice Mills and Sago Mills and for such other industries or processes as may be approved by the Commission from time to time principally during certain seasons or limited periods in a year and the main plant is regularly closed down during certain months in a year, they shall be charged for the months during which the plant is shut down (which period shall be referred to as the off-season period) as follows:

Fixed charges on 30% of Contracted Load or Recorded Demand, whichever is higher (Rs./kW/Month)	Energy Charge For all kWh or kVAh units (Rs./kWh or kVAh)
75	7.45

Note: During the seasonal period, the consumer shall be billed under CategoryIII(A): Industry (General) - LT. If the metering is on HT side, 1% of total energy consumed shall be deducted from recorded energy for the purpose of billing.

Specific conditions for Seasonal Industries:

- i. Consumers classified as seasonal load consumers who are desirous of availing the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.
- ii. The period of season shall not be less than 3 (three) continuous months. However, the consumer can declare a longer seasonal period as per actuals.
- iii. Existing eligible consumers who have not opted earlier for availing of seasonal tariffs will also be permitted to opt for seasonal tariff on the basis of application to the concerned Divisional Engineer of the Licensees.
- iv. Consumer, who desires to have a change in the period classified as “season” declared by him, shall file a declaration at least a month before commencement of the season already declared by him. Change of season will be allowed twice in a year only.
- v. The off-season tariff is not available to composite units having seasonal and other categories of loads.
- vi. Development charges as applicable to regular LT consumers shall be paid by the consumers for availing supply under the above said category with seasonal benefits. Consumers who have already paid the development charges as regular consumers need not pay the development charges.

Other Conditions applicable to Category- III (A): Industry (General) – LT and Category III (B): Seasonal Industries (Off-season) – LT

- (1) The connected load shall not exceed the contracted load specified in the agreement as per sanction accorded for the service. The fixed charges shall be computed based on contracted Load or actual Recorded Demand whichever is higher.

(2) Metering and Billing

- i. For the purpose of billing, 1 kVA shall be equal to 1 kW and 1HP = 0.75 kW
- ii. LT Trivector meter shall be provided for the consumers with contracted load of 15 kW/20 HP to 37.5 kW/50 HP.
- iii. For loads above 37.5 kW/50 HP to 75 kW/100 HP, the metering shall be provided on HT side of the Distribution Transformer.
- iv. If the recorded demand of any service connection under this category exceeds the 75 kVA, such excess demand shall be billed at the demand charges prescribed under Category- III: Industry (General) - HT.

- v. In cases where metering is provided on the LT side of the transformer (due to space constraints), 3% of the recorded energy during the month shall be added to arrive at the consumption on the High Tension side of the transformer.
- vi. If the metering is on HT side, 1% of total energy consumed shall be deducted from recorded energy for the purpose of billing.

1.3.3 CATEGORY-III (D): COTTAGE INDUSTRIES UP TO 10 HP – LT

COTTAGE INDUSTRIES

Applicability

This tariff is applicable for supply of energy to Dhobighats & bonafide (as certified by Divisional Engineer, Operation) Small Cottage Industries specifically power looms, Carpentry, Blacksmithy, Kanchari, Goldsmithy, Shilpi, Pottery, Mochy, Phenoyl production units, Agarbatti production units, Wax Candle making units, Papads Manufacturing units, Leather (Chappals) making, Soap Industry, Plaster of Paris units, Laque toy making units, Pop Toys, Wood carving/toy making units, Pickles Manufacturing, Mango jelly units, Adda leaf plate industry etc. having connected load not exceeding 10 HP including incidental lighting in the premises.

Fixed charges (Rs./kW/Month)	Energy Charge For all kWh units (Rs./kWh)
Rs.20/- per month per kW of contracted load subject to a minimum of Rs.30/- per month	3.75
Monthly minimum charges – NIL	
Note:	
i. Units which exceed a connected load of 10 HP shall be billed at tariff specified for Category III(A): Industry (General) - LT.	
ii. Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt:27-06-2018	

1.4 CATEGORY-IV: INSTITUTIONAL – LT

1.4.1 CATEGORY-IV (A): UTILITIES – LT

(Street Lightning, NTR Sujala Pathakam, CPWS and PWS)

Applicability

This tariff is applicable for:

- i. Supply of energy for lighting on public roads, streets, thoroughfare including parks, markets, car-stands, taxi stands, bridges, PWS schemes in the Local Bodies viz., Panchayats / Municipalities / Municipal Corporations.
- ii. Supply of energy to the Composite Water Supply Schemes (CWSS) / PWS Schemes operated and / or maintained by Local Bodies viz., (Panchayats, Municipalities, Municipal Corporations) etc.
- iii. Supply of energy to NTR Sujala Pathakam (Drinking water schemes notified by the Government of AP and / or concerned statutory authority)

Metering is compulsory irrespective of tariff structure.

Description	Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
Street Lighting, CPWS / PWS Schemes and NTR Sujala pathakam	75	7.00

Specific Condition applicable to Street Lighting:

Additional charges: Every local body shall pay an additional charge equivalent to any tax or fee levied by it under the provisions of any law including the Corporation Act, Municipalities Act or Gram Panchayat Act on the poles, Lines, Transformers and other installations erected in its area.

1.4.2 CATEGORY-IV (B): GENERAL PURPOSE – LT

Applicability

This tariff is applicable for supply of energy to places of Crematoria, Govt. Educational institutions and Student Hostels run by Govt. agencies, Charitable institutions i.e., Public charitable trusts and societies registered under the Societies Registration Act running educational institutions on no profit basis, recognized service institutions and registered old age homes, orphanages and the like rendering gratuitous service to the public at large without any profit. Government Offices and Government Hospitals shall also be billed under this category.

Fixed Charges (Rs./kW/month)	Energy Charges (Rs./kWh or kVAh)
75	7.00
Monthly Minimum Energy charges:	
Single Phase Supply	Rs. 50 per month
Three Phase Supply	Rs.150 per month

Note:

- i. Trivector meters shall be provided for all 10 kW and above services.
- ii. The change of applicability shall be effected within three months from the date of issue of this order to the existing consumers who fit in the above definition. If the change of applicability is not effected within three months for any valid reason for all such consumers, change of classification shall be effected prospectively from the actual date of reclassification.

1.4.3 CATEGORY-IV (C): RELIGIOUS PLACES – LT**Applicability**

This tariff is applicable for supply of energy to places of worship such as Temples, Churches, Mosques, Gurudwaras and Goshalas.

Description	Fixed charges (Rs./kW/Month)	Energy Charge (Rs./kWh or kVAh)
For all places other than Goshalas up to 2 kW contracted load	30.00	3.85
Above 2 kW contracted load	30.00	5.00
Goshalas	30.00	3.85

1.5 CATEGORY-V: AGRICULTURE & RELATED – LT**1.5.1 CATEGORY-V (A) : AGRICULTURE – LT****1.5.1.1 CATEGORY-V (A) AGRICULTURE (i): CORPORATE FARMERS – LT****Applicability**

This tariff is applicable to Corporate farmers. “Corporate Farmer” means:

- A company incorporated under the Companies Act, 2013 or under any previous company law and which undertakes farming as an activity
- A partnership firm or a limited liability partnership firm which undertakes farming as an activity
- Association of persons, cooperative societies and registered body of individuals undertaking farming activities

Description	Fixed charges (Rs./HP / Month)	Energy Charges (Rs./kWh)
Corporate Farmers (DSM Measures mandatory)	-	Rs.3.50

Note:

- i. Any consumption of energy /electricity in any Agricultural land for purposes other than agriculture shall be charged / billed in accordance with the applicable tariff.
- ii. Farmers without DSM Measures shall be billed @ Rs.4.50/kWh. DSM measures include frictionless foot valve, capacitor of adequate rating, HDPE or RPVC piping at suction and/or delivery and ISI marked mono-block or submersible pump-sets.

1.5.1.2 CATEGORY-V (A) AGRICULTURE (ii): NON-CORPORATE FARMERS – LT**Applicability**

This tariff is applicable to all farmers who are not covered under the “corporate farmers” category.

Fixed charges (Rs./Month)	Energy Charge (Rs./kWh)
NIL	NIL

Note:

- (i) Power supply to agricultural consumers under urban feeders: In case of agricultural consumers who are under urban feeders, the DISCOMs shall extend power supply by providing three phase meters and supply free power up to 1200_units per HP per annum on annual basis and shall charge for the consumption above 1200 units per HP per annum at the rate of Rs.6.40/unit by issuing bills.
- (ii) In case of LT Lift Irrigation schemes which are in the paying category hitherto, the DISCOMs shall extend free power supply up to 1200 units per HP per annum on annual basis and shall charge for the consumption above 1200 units per HP per annum at the rate of Rs.6.40/unit by issuing bills.

SPECIFIC CONDITIONS APPLICABLE FOR NON-CORPORATE FARMERS:

- i. Agricultural consumers are permitted to use one lamp of 15 watts or three lamps of 5 watts each, near the main switch as pilot lamps.
- ii. Supply to the L.T. Agricultural services will be suitably regulated as notified by Licensees from time to time.
- iii. The farmers eligible for free supply have to comply with the Demand Side Management Measures (DSM) stated below as applicable for their pumping system viz., submersible or surface pump sets failing which they will not be eligible for free supply. Non-corporate farmers without DSM measures shall be provided with meters and billed at the tariff applicable to Category-V (A) (i): LT

- iv. DSM measures include frictionless foot valve, capacitor of adequate rating, HDPE or RPVC piping at suction and/or delivery and ISI marked mono-block or submersible pump-sets.

All new connections shall be given only with DSM measures implemented and with meters.

1.5.1.3 CATEGORY-V (A) AGRICULTURE (iii): SALT FARMING UNITS UP TO 15HP* - LT Applicability

This tariff is applicable for Salt Farming units up to 15 HP.

Fixed charges (Rs./HP/Month)	Energy Charge (Rs./kWh)
-NIL-	2.50

* - Units with connected load more than 15 HP shall be billed under Category III(A): Industry (General) – LT tariff.

1.5.1.4 CATEGORY-V (A) AGRICULTURE (iv): SUGARCANE CRUSHING - LT

Applicability

This tariff is applicable for all sugar cane crushing units connected to agricultural / rural feeders.

Fixed charges (Rs./Month)	Energy Charge (Rs./kWh)
NIL	NIL

1.5.1.5 CATEGORY-V (A) AGRICULTURE (v): RURAL HORTICULTURE NURSERIES - LT Applicability

This tariff is applicable for Horticulture Nurseries in rural areas.

Fixed charges (Rs./HP/Month)	Energy Charge (Rs./kWh)
NIL	NIL

1.5.1.6 CATEGORY-V (A) AGRICULTURE (vi): FLORICULTURE IN GREENHOUSE - LT

Applicability

This tariff is applicable for Floriculture in Green Houses.

Fixed charges (Rs./KW/Month)	Energy Charge (Rs./kWh or kVAh)
75	4.50

1.5.2 CATEGORY-V (B): AQUA CULTURE & ANIMAL HUSBANDRY – LT**Applicability**

This tariff is applicable to Aqua Culture and Animal Husbandry, such as Poultry Farms, Pisciculture, Prawn Culture and Dairy Farms

Fixed Charges (Rs./ kW/Month)	Energy Charges (Rs. / kWh or kVAh)
30	3.85

Note: Poultry Farms are exempted from the condition of 5kW minimum load for releasing three phase supply.

The Poultry Farms are allowed up to 5% of the total consumption in the Poultry firm for the purpose of usage of staff quarters and office premises. For measurement of non-poultry load consumption in the poultry firms, loads are to be segregated and a separate sub-meter at the cost of consumer be installed and sealed by the DISCOMs. If during any month, non-poultry consumption exceeds 5% of total consumption, the consumption exceeding the 5 per cent in the Sub-Meter shall be billed at Non-Domestic category.

1.5.3 CATEGORY – V (D): AGRO BASED COTTAGE INDUSTRIES UP TO 10HP* – LT**Applicability**

This tariff is applicable to small agro based industrial units covering Sisal fiber extraction co-operative units, Vermiculture, Sericulture, Mushroom growing / farming, Rabbit farming, Sheep rearing, Emu birds farming, Apiculture (honey making), Chaff-cutting and Dairy farming activities with connected load up to 10 HP (including incidental lighting load).

Fixed Charges (Rs./ kW/Month)	Energy Charges (Rs./ kWh)
20	3.75

* Agro based activities with connected load exceeding 10 HP shall be billed at Tariff specified for Category III A - Industry General-LT or HT based on connected load / contracted demand without applying ToD charges.

For sericulture, connected load exceeding 15 HP shall be billed at Tariff specified for Category III A - Industry General-LT or HT based on connected load / contracted demand without applying ToD charges.

1.5.4 CATEGORY –V (E): GOVERNMENT / PRIVATE LIFT IRRIGATION SCHEMES – LT**Applicability**

This tariff is applicable to Lift Irrigation Schemes for consumers availing LT supply for irrigation.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
LT	NIL	6.40

Note: Metering is mandatory. Free power is limited to 1200 units per HP per year.

2. TEMPORARY SUPPLY – LT**THERE IS NO SEPARATE CATEGORY FOR TEMPORARY SUPPLY.**

Temporary supply can be released to any category of consumers with respective applicable terms and conditions in addition to the specific conditions mentioned hereunder:

Temporary supply shall not ordinarily be given for a period exceeding 6 (six) months and can be renewed up to a maximum of another six months. In any case, the total period shall not exceed one year beyond which permanent connection shall be extended.

The charges for temporary supply to any category of consumers except those entitled to fully subsidized and free supply of electricity under this Order shall be as follows:

Fixed Charges (Rs./kW/Month)	Energy Charges (Rs./kWh or kVAh)
30	10.50

The charges for temporary supply to consumers who are entitled to fully subsidized and free supply of electricity under this Order shall be as follows:

Fixed Charges (Rs./kW/Month)	Energy Charges (Rs./kWh or kVAh)
NIL	3.75

Specific conditions for release of LT Temporary Supply

- (i) Tri-vector meters shall be provided for all 10 kW and above services.
- (ii) Requests for temporary supply of energy cannot normally be considered unless there is a clear notice of at least one week in the case of domestic and three months in case of other types of supply. If supply is required at a short notice, in addition to the charges mentioned below, an urgency charge, as specified in 3.8 is also to be paid.

- (iii) Estimated cost of the works means the cost of works for making necessary arrangements for supplying energy including the cost of distribution lines, switchgear, metering equipment etc., as may be worked out on the basis of standards and norms prescribed by the Licensees from time to time plus cost of dismantling the lines and other works when the supply is no more required less the cost of retrievable material.
- (iv) (a) Estimated cost of the works as mentioned in para (iii) above shall be paid by the consumer in advance. After the works are dismantled and retrievable materials returned to stores, a bill for the actual amount payable by the consumer shall be prepared and the difference would be collected from or refunded to the consumer, as the case may be. No development charge shall be collected for temporary supply.
- (b) In addition to the aforesaid charges payable by consumers availing temporary supply, they shall pay hire charges at 2% on cost of retrievable material per month or part thereof, for the duration of temporary supply. These charges will be claimed along with the consumption bills.
- (v) (a) The consumer requiring supply on temporary basis shall be required to deposit in advance, in addition to the estimated cost of works mentioned in iv(a), the estimated consumption charges at the rate stipulated in Tariff Order for Temporary supply, and worked out on the basis for use of electricity by the consumer for 6 hours per day for a period of 2 months in case the supply is required for more than 10 days. If the period of temporary supply is for 10 days or less, the advance consumption charges for the actual period requisitioned shall be paid.
- (b) The bill for electricity consumed in any month shall be prepared at the tariff applicable plus hire charges as mentioned in iv(b) above. The consumers have to pay monthly CC charges regularly during the period of availing temporary supply and the estimated energy consumption deposit shall be adjusted with the last month consumption bill and the balance, if any, shall be refunded.
- (c) In the case of consumers requiring temporary supply for the purposes of Cinema, the estimated energy charges for a minimum period of 3 months shall have to be deposited by the consumers subject to the condition that the consumer shall pay every month energy and other miscellaneous charges for the preceding month and the amount deposited by them in advance shall be adjusted with the last month consumption bill and the balance amount shall be refunded.
- (d) In the event of estimated energy charges deposited by the consumer having been found insufficient, the consumer shall deposit such additional amount, as may be demanded by the Licensees failing which the Licensees may discontinue the supply of electricity.
- vi. Estimated Cost of Works and Estimated energy charges:
- These charges shall be paid in advance by the consumer in accordance with the procedure prescribed above.
- vii Regular consumers requiring temporary additional supply:

In cases where consumers availing regular supply of energy require additional supply for a temporary period, the additional supply shall be given as a temporary service under a separate connection and charged as such in accordance with the above procedure.

3. OTHER CHARGES FOR LT SUPPLY

3.1 Additional Charges for delayed payment

- i. The C.C. bills shall be paid by the consumers within the due date mentioned in the bill, i.e. 15 days from date of the bill.
- ii. In case of Category-I(A): LT, Category-III(D): LT, and Category-V(D): LT, if payment is made after the due date, the consumers are liable to pay Delayed Payment Surcharge (DPS) of Rs.25 per month. In case of Category -II (A) (i) consumers who consume less than 50 units per month and Category -IV(C) whose connected load is less than 2 kW load also pay Delayed Payment Surcharge (DPS) of Rs.25 per month.
- iii. In case of Category-II(A)(i, ii & iii) : LT, Category-II (B to D): LT, Category-III (A & B): LT and Category-IV(A, B & C):LT, Category-V(A vi, B & E): LT the licensees shall levy Delayed Payment Surcharge (DPS) on monthly consumption charges only at the rate of 5 paise per Rs.100/day calculated from the due date mentioned on the bill up to the date of payment or Rs.150 whichever is higher. In case of grant of instalments, the licensees shall levy interest at the rate of 18% per annum on the outstanding amounts compounded annually and both (DPS and Interest) shall not be levied at the same time.
- iv. If the C.C. bill amount is not paid within 15 days from the due date, the power supply is liable for disconnection.
- v. For reconnection of power supply after disconnection, the consumer has to pay reconnection charges. The reconnection charges shall not be collected without actual disconnection.

3.2 Service Connection Charges

The service connection charges shall be collected as per the Regulations issued by the Commission from time to time.

3.3 Reconnections

(a) Low Tension Services.	
Category-IA (Overhead)	Rs.100
Other Category Services (Overhead)	Rs.100
Services with Under Ground cable	Rs.300

3.4 Testing

(a) Installations	
The first test and inspection of a new installation or of an extension to an existing installation	Nil
Charges payable by the consumer in advance for each subsequent test and / or inspection if found necessary owing to any fault in the installation or to non-compliance of the conditions of supply.	Rs.20
(b) Meters	
A.C. Single Phase Energy meter	Rs.200
A.C. Three Phase Energy meter	Rs.500
Trivector meter	Rs.2500

3.5 Service calls

(a) Charges for attendance of LM/ALM/JLM for Low Tension Consumers	
i) Replacing of Licensees' cut out fuses	Nil
ii) Replacing of consumer's fuses	Rs. 5/-
(b) Charges for attendance of LM/ALM/JLM at the consumer's premises during any function or temporary illumination provided a LM/ALM/JLM can be spared for such work	Rs.100/- for each day or part thereof.
(c) Charges for infructuous visit of Licensee employees to the consumer's premises	Rs.25/- for each visit when there is no defect in Licensee's equipment

3.6 Miscellaneous Charges

(a) Application Registration Fees:	
(i) For Agricultural & Domestic categories	Rs. 50
(ii) For all other Categories	Rs.100
(b) Revision of estimates	Rs. 50
(c) Fee for re-rating of consumer's installation at the request of the consumer. (This does not include the additional charges payable by the consumer for increasing his connected load in excess of the contracted load, as provided in General Terms and	Same as Application Registration Fee

Conditions of Supply).	
(d) Resealing of	
(i) whole current meter	Rs. 25
(ii) CT operated meters and other apparatus in the consumer's premises for all other categories.	Rs.100
The aforesaid charges do not include the additional charges payable by the consumer for breaking the seals	
(e) For changing meter only at the request of the consumer (where it is not necessitated by increase in demand permanently)	Rs.50 for Single phase meter Rs.100 for Three phase meter
(f) For changing or moving a meter board	Actual cost of material and labour plus 25% supervision charges on cost of materials and labour

3.7 Customer Charges:

Consumer Category:	Rs. / month
Category – I (A): Domestic	
0-30	25
31-75	30
76-125	45
126-225	50
226-400	55
>400	55
Category-II: COMMERCIAL & OTHERS:	
Category-II(A) (i): < 50 units per month	30
Category-II(A) (i): between 50 units to 100 units per month	40
Category-II(A) (i) More than 100 units	45
Category-II(A)(ii): Advertising Hoardings	50
Category-II(A)(iii): Function Halls / Auditoriums	50

Consumer Category:	Rs. / month
Category-II(B): Start up power	500
Category-II(C): Electric Vehicles / Charging Stations	250
Category-III: INDUSTRY	
up to 20 HP	63
21 – 50 HP	250
51 – 100 HP	938
Category-IV: INSTITUTIONAL	
Category-IV(A): Utilities	35
Category-IV(B): General Purpose	45
All other Categories	30
Temporary Supply	50

3.8 Urgency charges for temporary supply at short notice -- Rs.200

3.9 Special rates chargeable for theft/pilferage and malpractice cases: As per the General

Terms and Conditions of Supply (GTCS) approved by the Commission from time to time.

3.10 Supervision/Inspection & checking Charges for all Categories -- Rs.100

3.11 Miscellaneous works

The charges for any work which the Licensee may be required to undertake for the consumer and which is not included in the foregoing schedule, shall be the actual cost of labour and material plus 25% on cost of labour and material to cover overhead charges. The aforesaid charges shall be paid by the consumer in advance.

3.12 Maintenance of Power factor at consumer end

The consumer should not maintain less than 0.95 power factor on the leading side. If any consumer maintains the power factor of less than 0.95 lead for a period of 2 consecutive months, it must be brought back in the range of (+) or (-) 0.95 within a period of 3 months failing which without prejudice to such other rights as having accrued to the Licensees or any other right of the Licensees, the supply to the consumer may be discontinued. This condition is not applicable to the consumers whose connected load is less than 20 kW.

3.13 Grid support charges/parallel operation charges for FY2024-25 shall be collected from only co-located captive power plants. The captive power plant status shall be verified as per the MoP rules and CEA guidelines in this regard. The other conditions are as mentioned below:

- i. The parallel operation/grid support charges are to be applied to the total installed capacity of the generators connected to the Grid duly deducting the OA capacity or the PPA capacity if any with the DISCOMS.
- ii. Conventional CPPs shall pay Rs.50 per kW per month.
- iii. Renewable energy plants including waste heat recovery plants, the plants based on municipal solid waste, and the co-gen plants shall pay Rs.25 kW per month.
- iv. Rooftop solar plants under net metering/gross metering policy shall pay Rs.15 per kW per month.
- v. Co-gen sugar mills shall pay charges of Rs. 25 per kW per month, for a period of 4 months or actual operation period, whichever is higher.
- vi. These charges shall not be applicable when the plants are under shutdown for any reason and when such shutdown period exceeds two months.

3.14 Green Tariff

Renewable Energy procurement from Distribution Licensee by obligated entities/non-obligated entities at Green Tariff without need to change of category. The obligated/non-obligated entities may purchase Renewable Energy from the Distribution Licensee in the following manner:

- i. Any entity may elect to purchase Renewable Energy either up to a certain percentage of the consumption or its entire consumption and accordingly, they shall place a requisition for this with their distribution licensee, three months before the date of the commencement of the financial year during which the entities intended to procure from FY 2024-25. For the balance period of FY 2023-24, the entities may place a requisition with their distribution licensee within one month from the date of this regulation coming in to force. Then, the distribution licensee shall procure such quantity of Renewable Energy and supply it to the entities concerned.
- ii. The obligated entities may purchase on a voluntary basis, more renewable energy than their obligation and up to a hundred percent. The percentage of renewable energy requisite by obligated/non-obligated entities from the distribution licensees shall not be less than RPO specified by the Government of India/APERC for the obligated entities whichever is higher for that financial year.
- iii. The Green Tariff for the Renewable Energy supplied by the distribution licensee for FY 2023-24 shall be 75 paise over and above the normally applicable tariff for respective entities as per the RST Order for FY 2023-24 issued by the Commission. This tariff for future years will be as per RST Orders to be issued by the Commission. The energy consumed at 75 paise over and above the normally applicable tariff out of the total energy consumed by the entities from the distribution licensees shall be treated as the Renewable Energy supplied by the distribution licensee during that billing month. The Distribution Licensee shall issue the monthly digital certificate (physical certificate on specific request) to such consumers certifying the quantity of Renewable Energy out of the total consumption.

- iv. All electricity consumers in the State have the option to source 100% Renewable Energy power by additionally paying above stated Green Tariff at their respective categories without to opt a separate category “ Green Power” that is already in place as per RST Order approved by the Commission.
- v. Any requisition for Renewable Energy from a distribution licensee shall be for a minimum period of one year from FY 2024-25 and a balance period for FY 2023-24 and accordingly, month-wise energy shall be specified.
- vi. The Renewable Energy purchased from the distribution licensee in excess of the Renewable Purchase Obligation of an obligated entity and 100 percent of energy procured by the non-obligated entities shall be counted towards Renewable Purchase Obligation compliance of the distribution licensee;
- vii. The revenue earned by the distribution licensee from the sale of renewable energy to entities/consumers under the Green Tariff shall be considered as revenue from the sale of power. The Distribution Licensee shall separately maintain tariff category and sub-category-wise accounting of no. of consumers, connected load, sale, and revenue from sale under the Green Tariff for consumers and the same shall be shown separately by the distribution licensees at the time of ARR filings, and truing up.
- viii. The distribution licensee shall give a Green Stars certificate on a yearly basis to the entities for the green energy supplied by it for Renewable Energy beyond the renewable purchase obligation (RPO) for obligated entities notified by the government of India/APERC whichever is higher. The entities/consumers shall be given a Green Stars Rating based on Renewable Energy procurement during the financial year as below:
 - a. 100 per cent of consumption: 5 Green Stars
 - b. 75 per cent of consumption: 4 Green Stars
 - c. 50 per cent of consumption : 3 Green Stars

Accordingly, the distribution licensee shall issue a “Green Stars Certificate” to all the eligible entities within three months after the completion of that financial year. The certificate format shall be as approved by the Commission. Such green stars shall be also indicated in their monthly bills based on the month-wise requisitions for renewable energy and total consumption of the month as per the percentages indicated above.

- ix. Non-obligated entities of any category including the domestic consumers at any voltage level may opt to procure the Renewable Energy as per the procedure stated above.
- x. The Distribution licensees shall give wide publicity at regular intervals during the year about the availability of RE power through newspapers/media/interaction meetings with the industrial consumers based on their Renewable Power procurement status.
- xi. The green power for consumers availing green tariff shall be “subject to availability of RE” in the respective DISCOS.”

PART 'B'**HIGH TENSION (HT) SUPPLY****4 HT TARIFFS – TERMS AND CONDITIONS**

These tariffs are applicable for supply of electricity to H.T. Consumers having contracted demand of 70 kVA and above and/or having a connected load exceeding 75kW/100 HP.

The applicability of the respective categories as enumerated is only illustrative but not exhaustive.

4.1 CATEGORY-I (B): TOWNSHIPS, COLONIES, GATED COMMUNITIES & VILLAS – HT Applicability

This tariff is applicable exclusively for

1. Townships and Residential Colonies of Cooperative Group Housing Societies, Gated Communities and Villas who avail supply at single point for making electricity available to the members of such Society residing in the same premises and individuals whose domestic connected load is more than what is permitted under the LT supply.
2. Any person who avails supply at single point at HT for making electricity available to his employees residing in contiguous premises, the supply in all cases being only for domestic purposes, such as lighting, fans, heating etc., provided that the connected load for common facilities such as non-domestic purpose in residential area, street lighting and water supply etc., shall be within the limits specified hereunder:

Water Supply & Sewerage and Street Light put together	10% of total connected load
Non-domestic/Commercial General purpose put together	10% of total connected load

Voltage of Supply	Demand Charges (Rs./ kVA/month)	Energy Charges (Rs. /kVAh)
All voltages	75.00	7.00

SPECIFIC CONDITIONS:

- i. The billing demand shall be the recorded maximum demand during the month.
- ii. Energy Charges will be billed on the basis of actual consumption or 25 kVAh per kVA of Contracted Demand, whichever is higher.

- iii. The above provisions shall not in any way affect the right of a person residing in the housing unit sold or leased by such Cooperative Group Housing Society, to demand supply of electricity directly from the distribution licensee of the area.

4.2 CATEGORY-II: COMMERCIAL & OTHERS – HT

4.2.1.1 CATEGORY-II (A) (i): COMMERCIAL – HT

Applicability

This tariff is applicable to:

1. Consumers who undertake non-domestic activity.
2. Consumers who undertake commercial activity.
3. Consumers who do not fall in any other Category i.e. Category I(B): HT, Category II (B): HT, Category II (C) HT, Category II (D) HT, Category III: HT, Category IV: HT, Category V: HT.
4. Consumers who avail supply of energy for lighting, fans, heating, air conditioning and other electric appliances in any commercial or non-domestic premises such as Shops, Business Houses, Offices, Public Buildings, Hospitals, Hostels, Hotels, Choultries, Restaurants, Clubs, Theatres, Cinema Halls, Bus-Stations, Railway Stations, Timber Depots, Photo Studios, Printing Presses etc.
5. Educational institutions run by individuals, Non-Government Organisations or Private Trusts and their Student Hostels are also classified under this category.
6. This tariff is also applicable to Airports, Resorts, Amusement Parks, MICE Centers, Golf Courses, Botanical Gardens, Urban / Rural Haats, Tourism and Hospitality Training Institutes, Wayside Amenities, Spiritual / Wellness centres and Museums etc.

Voltage of Supply	Demand Charges (Rs./ kVA/month of Billing Demand)	Energy Charges (Rs. /kVAh)*
220 kV	475	6.65
132 kV	475	6.70
33 kV	475	6.95
11 kV	475	7.65
* Rs. 1/ kVAh Time of Day Tariff is leviable on energy consumption during the period from 06 PM to 10 PM in addition to the normal energy charges at respective voltages.		

SPECIFIC CONDITIONS

- i. The billing demand shall be the Maximum Demand Recorded during the month or 80% of the contracted demand, whichever is higher.
- ii. Energy charges will be billed on the basis of actual Energy consumption or 25 kVAh per kVA of Billing Demand, whichever is higher.

4.2.1.2 CATEGORY-II (A) (iii): FUNCTION HALLS / AUDITORIA – HT**Applicability**

The tariff is applicable for supply of electricity to function halls & auditoria, marriage halls, convention centers and the like.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	Nil	12.25

4.2.2 CATEGORY-II (B): STARTUP POWER – HT**Applicability**

The tariff is applicable for supply of electricity to startup power for Captive Generating Plants or Co-Generation Plants or Renewable Energy Generation Plants and also Merchant plants.

The Startup Power is intended for those generators who require occasional and intermittent supply for startup operations of the generating unit(s) alone. However, the Captive and Cogeneration plants* with their process plants being located in the same premises and have single connection with the grid (APTransco / DISCOMs) and who continuously depend on the licensees' supply for part of their energy requirement may be given option to either continue in their present category or to be included in this new category. Without giving an opportunity to all such generators to exercise option in this regard, the category change shall not be affected.

The conditions applicable for Startup Power are as follows:

- i. Supply is to be used strictly for generator start-up operations, maintenance and lighting purposes only.
- ii. Allowable Maximum Demand shall be limited to the percentage (as given below) of the maximum capacity unit in the generating station in case of generators other than Wind and Solar, and of the plant capacity in case of Wind and Solar generator.

Thermal -15%, Gas based – 6%, Hydel – 3%, NCE Sources – 10%, Wind and Solar – 2%

- iii. If the Maximum Demand exceeds the limits specified above, the energy charges shall be charged at 1.2 times of normal charge for the entire energy consumed.
- iv. All other conditions applicable to Category II: Commercial & Others– HT shall also apply to the Category II(B): Startup Power–HT to the extent they are not contradictory to the above.
- v. This category is also applicable to all the Wind and solar plants who have PPAs with the licensees.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	Nil	12.25

* **Note:** In respect of cogeneration Sugar plants, the billing shall be in accordance with the specific clauses of the power purchase agreements.

4.2.3 CATEGORY-II (C): ELECTRIC VEHICLES / CHARGING STATIONS – HT Applicability

The tariff is applicable for supply of electricity to Electric Vehicles and Charging Stations that will provide electricity for charging.

Voltage of Supply	Energy Charges (Rs./kVAh)
All Voltages	6.70

Note:

- i. All charging stations established by the utilities for charging their vehicles viz APSRTC, DISCOMS, etc shall be levied a tariff of Rs.6.70 per kVAh.
- ii. All charging stations established by the Group Housing Societies, Commercial complexes, Malls, Hotels, and Public Charging Stations for charging the electric vehicles of the general public shall be levied 90 per cent of a tariff of Rs.6.70 per kVAh. Such charging stations shall collect the tariff of Rs.6.70 per kVAh from users.
- iii. The charging stations shall be given a separate connection duly ensuring not to use this supply for other purposes.
- iv. All domestic or other consumer categories who use their supply for charging their vehicles shall not be booked under malpractice.

4.2.4 CATEGORY-II (D): GREEN POWER – HT**Applicability**

This tariff is applicable to all consumers other than those covered under Category II (A) (iii): HT - who wish to avail power from Non-conventional sources of energy voluntarily and show their support to an environmental cause.

Voltage of Supply	Energy Charges (Rs./kVAh)
All Voltages	12.25

Note:

- i. The Tariff shall be optional and can be extended to any consumer without reference to end use purpose.
- ii. A consumer shall be entitled to Renewable Energy Certificates (RECs) as may be admissible.

4.3 CATEGORY – III: INDUSTRY – HT**4.3.1 CATEGORY-III (A): INDUSTRY (GENERAL) – HT****Applicability**

This tariff is applicable for supply to all consumers using electricity for industrial purpose. Industrial purpose shall mean manufacturing, processing and/or preserving goods for sale, but shall not include Shops, Business Houses, Offices, Public Buildings, Hospitals, Hotels, Hostels, Choultries, Restaurants, Clubs, Theatres, Cinemas, Printing Presses, Photo Studios, Research & Development Institutions, Airports, and other similar premises (The enumeration above is illustrative but not exhaustive) notwithstanding any manufacturing, processing or preserving goods for sale.

This tariff will also apply to:

1. Water Works & Sewerage Pumping Stations operated by Government Departments or Co-operative Societies and pump sets of Railways, pumping of water by industries as subsidiary function and sewerage pumping stations operated by local bodies.
2. Workshops, flour mills, oil mills, saw mills, ice candy, ice manufacturing units with or without sale outlets.
3. The Information Technology (IT) units identified and approved by the Consultative Committee on IT industry (CCITI) constituted by GoAP.
4. Newspaper printing units.
5. Aqua hatcheries and Aqua feed mixing plants
6. Poultry hatcheries and Poultry feed mixing plants

Voltage of Supply	Demand Charges (Rs./ kVA/ month of Billing Demand)	Energy Charges (Rs./kVAh)
Industry, ToD (HGD) (Feb'25, Mar'25), (Apr'24- May'24) & (Sep'24-Oct'24)		
Peak (06-10) & (18-22)		
11KV	475.00	7.80
33KV	475.00	7.35
132KV	475.00	6.90
220 kV	475.00	6.85
Off-Peak (10 -15) & (00-06)		
11KV	475.00	5.55
33KV	475.00	5.10
132KV	475.00	4.65
220 kV	475.00	4.60
Normal (15-18) & (22-24)		
11KV	475.00	6.30
33KV	475.00	5.85
132KV	475.00	5.40
220 kV	475.00	5.35
Industry, ToD (LGD) (Jun'24-Aug'24) & (Nov'24-Jan'25)		
Peak (06-10) & (18-22)		
11KV	475.00	7.30
33KV	475.00	6.85
132KV	475.00	6.40
220 Kv	475.00	6.35
Off-Peak (10 -15) & (00-06)		
11KV	475.00	5.55
33KV	475.00	5.10
132KV	475.00	4.65
220 kV	475.00	4.60
Normal (15-18) & (22-24)		
11KV	475.00	6.30
33KV	475.00	5.85
132KV	475.00	5.40
220 kV	475.00	5.35
Industrial colonies		
All Voltages	NIL	7.00
Normal charges are applicable without ToD peak and off-peak to Aqua hatcheries and Aqua feed mixing plants and Poultry hatcheries and Poultry feed mixing plants.		

Note:

- i. The consumption of energy exclusively for the residential colony/township in a month, separately metered with meters installed by the consumer and tested and sealed by the Licensee shall be billed at Rs.7.00/kVAh.
- ii. In case segregation of colony consumption has not been done, 15% of the total energy consumption shall be billed at Rs.7.00/kVAh and the balance kVAh shall be charged at the corresponding energy tariff under Category-III(A): HT.
- iii. Wherever possible, colonies of industry shall be given a separate HT service under Category-I(B): Townships, Colonies, Gated Communities and Villas– HT.

Specific Conditions

- i. The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher.
- ii. Energy charges will be billed on the basis of actual energy consumption or 50 kVAh per kVA of billing demand, whichever is higher.

4.3.2 CATEGORY-III (B): SEASONAL INDUSTRIES (OFF-SEASON) – HT**Applicability**

This tariff is applicable to a consumer who avails energy for manufacture of sugar or ice or salt, decorticating, ginning and pressing, cotton seed oil mills, seed processing, fruit processing, tobacco processing, re-drying, Rice Mills and Sago Mills and for such other industries or processes as may be approved by the Commission from time to time principally during certain seasons or limited periods in a year and his main plant is regularly closed down during certain months, he shall be charged for the months during which the plant is shut down (which period shall be referred to as the off-season period) as follows:

Voltage of Supply	Demand Charges (Rs./ kVA/month of Billing Demand*)	Energy Charges (Rs./kVAh)
220 kV	475	6.65
132 kV	475	6.70
33 kV	475	6.95
11 kV	475	7.65
* Based on the Recorded Maximum Demand or 30% of the Contracted Demand whichever is higher.		

During season period, billing shall be done as per Category-III(A): HT Industry - General tariffs.

Specific Conditions

- i. Consumers, classified as seasonal load consumers, who are desirous of availing the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.
- ii. The period of season shall not be less than 3 (three) continuous months. However, consumer can declare longer seasonal period as per their actual requirement.
- iii. Consumer, who desires to have a change in the period classified as “season” declared by him, shall file a revised declaration at least a month before commencement of already declared season period. Change of season period will be allowed twice in a year only.
- iv. Existing eligible consumers who have not opted earlier for seasonal tariffs will also be permitted to opt for seasonal tariff on the basis of application to the concerned Divisional Engineer of the Licensee.
- v. The off-season tariff is not available to composite units having seasonal and other categories of loads.
- vi. The off-season tariff is also not available for such of those units who have captive generation exclusively for process during season and who avail supply of Licensee for miscellaneous loads and other non-process loads.
- vii. Development charges as applicable to regular HT consumers shall be paid by the consumers for availing supply under the above said category with seasonal benefits. Consumers who have paid the development charges already as regular consumers need not pay the development charges.

4.3.3 CATEGORY-III (C): ENERGY INTENSIVE INDUSTRIES – HT**Applicability**

This tariff is applicable to Ferro Alloy Industries, PV ingots and cell manufacturing units, Poly Silicon Industry and Aluminium Industry.

Voltage of Supply	Demand Charges (Rs./ kVA/month)	Energy Charges (Rs. /kVAh)
220 kV	475	4.90
132 kV	475	4.95
33 kV	475	5.35
11 kV	475	5.80

Specific Condition: Energy charges will be billed on the basis of actual energy consumption or Rs.50 kVAh / kVA/month of contracted demand, whichever is higher.

4.4 CATEGORY-IV: INSTITUTIONAL – HT**4.4.1 CATEGORY-IV (A): Utilities – HT****Applicability**

The tariff is applicable to energy consumption by H.T. services pertaining to Composite Protected Water Supply (PWS) Schemes operated and / or maintained by local bodies (Panchayats, Municipalities and Municipal Corporations). The composite PWS schemes shall be as defined and modified by the Commission from time to time.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
220 kV	475	6.65
132 kV	475	6.70
33 kV	475	6.95
11 kV	475	7.65
Minimum charges: Rs.300/kVA/Year		

Note: Metering is mandatory.

4.4.2 CATEGORY-IV (B): GENERAL PURPOSE – HT**Applicability**

This tariff is applicable for supply of energy to places of Crematoriums, Govt Educational institutions and Student Hostels run by Govt agencies, Charitable institutions i.e., Public charitable trusts and societies registered under the Societies Registration Act running educational and medical institutions on no profit basis, recognized service institutions and registered old age homes, orphanages and the like rendering gratuitous service to the public at large without any profit. Government Offices and Government Hospitals shall also be billed under this category.

Voltage of Supply	Demand Charges (Rs. /kVA/month)	Energy Charges (Rs. /kVAh)
220 kV	475	6.95
132 kV	475	7.00
33 kV	475	7.25
11kV	475	7.95
Minimum charges: Rs.300/kVA/Year		

Note: Government controlled Auditoria and Theatres run by Public Charitable Institutions for the purpose of propagation of art and culture which are not used with a profit motive and other Public Charitable Institutions rendering totally free service to the general public shall also to be billed under this category.

4.4.3 CATEGORY-IV (C): RELIGIOUS PLACES – HT**Applicability**

This tariff is applicable for supply of energy to places of worship such as Temples, Churches, Mosques, Gurudwaras and Goshalas.

Voltage of Supply	Demand Charges (Rs. /kVA/month)	Energy Charges (Rs. /kVAh)
All Voltages	30.00	5.00

Specific Conditions

- i. The billing demand shall be the Maximum Demand Recorded during the month or 80% of the contracted demand, whichever is higher.
- ii. Energy charges will be billed on the basis of actual Energy consumption or 25kVAh per kVA of Billing Demand, whichever is higher.

4.4.4 CATEGORY-IV (D): RAILWAY TRACTION – HT**Applicability**

This tariff is applicable to H.T. Railway Traction Loads.

Voltage of Supply	Demand Charges (Rs. /kVA/month)	Energy Charges (Rs. /kVAh)
All Voltages	350	6.50

Specific Conditions

- (i) The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher.
- (ii) Energy charges will be billed on the basis of actual energy Consumption or 32 kVAh per kVA per month of Contracted Demand whichever is higher.

4.5 AGRICULTURE & RELATED**4.5.1 CATEGORY-V (B): AQUA CULTURE & ANIMAL HUSBANDRY – HT****Applicability**

This tariff is applicable to Aqua Culture and Animal Husbandry, such as Poultry Farms, Pisci Culture, Prawn Culture and Dairy Farms and Goshalas etc.

Voltage of Supply	Demand Charges (Rs. /kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	30	3.85

Specific Conditions

Energy charges will be billed on the basis of actual energy consumption or 40kVAh/ kVA per Month of Contracted Demand, whichever is higher.

The poultry farms are allowed up to 5% of the total consumption in the Poultry firm for the purpose of usage of staff quarters and office premises. For measurement of non-poultry load consumption in the poultry firms, loads are to be segregated and a separate sub-meter at the cost of consumer be installed and sealed by the DISCOMs. If during any month, non-poultry consumption exceeds 5% of total consumption, the consumption exceeding the 5 per cent in the Sub-Meter shall be billed at Non-Domestic category.

4.5.2 CATEGORY-V (E): GOVERNMENT / PRIVATE LIFT IRRIGATION SCHEMES – HT**Applicability**

This tariff is applicable to Lift Irrigation Schemes managed by Government of A.P. and for consumers availing HT supply for irrigation.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	NIL	7.15

Note: Metering is mandatory

5. TEMPORARY SUPPLY – HT

There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed energy charges @ 1.5 times and same fixed charges of corresponding category.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	Demand charges of corresponding category	1.5 times of the corresponding HT consumer Category

Specific Conditions for release of HT Temporary Supply

- i. Requests for temporary supply of energy cannot normally be considered unless there is a clear notice of three months.
- ii. Estimated cost of the works means the cost of works for making necessary arrangements for supplying energy including the cost of distribution lines, switchgear, metering equipment, etc. as may be worked out on the basis of standards and norms prescribed by the Licensees from time to time plus cost of dismantling the lines and other works when the supply is no more required less the cost of retrievable material.

- iii. (a) Estimated cost of the works as mentioned in para (ii) above shall be paid by the consumer in advance. After the works are dismantled and retrievable materials returned to stores, a bill for the actual amount payable by the consumer shall be prepared and the difference would be collected from or refunded to the consumer, as the case may be. No development charges shall be collected for temporary supply.
- (b) In addition to the aforesaid charges payable by consumers availing temporary supply, they shall pay hire charges at 2% on cost of retrievable material per month or part thereof, for the duration of temporary supply. These charges will be claimed along with the consumption bills.
- iv. (a) The consumer requiring supply on temporary basis shall be required to deposit in advance, in addition to the estimated cost of works mentioned in para (iii) (a) the estimated consumption charges at the rate stipulated in Tariff Order for Temporary supply, and worked out on the basis for use of electricity by the consumer for 6 hours per day for a period of 2 months in case the supply is required for more than 10 days. If the period of temporary supply is for 10 days or less, the advance consumption charges for the actual period requisitioned shall be paid.
- (b) The bill for electricity consumed in any month shall be prepared at the tariff applicable plus hire charges as mentioned in para (iii) (b) above. The consumers have to pay monthly CC charges regularly during the period of availing temporary supply and the estimated energy consumption deposit shall be adjusted with the last month consumption bill and the balance if any shall be refunded.
- (c) In the case of consumers requiring temporary supply for the purposes of Cinema, the estimated energy charges for a minimum period of 3 months shall have to be deposited by the consumer subject to the condition that the consumer shall pay every month energy and other miscellaneous charges for the preceding month and the amount deposited by him in advance shall be adjusted with the last month consumption bill and the balance amount shall be refunded.
- (d) In the event of estimated energy charges deposited by the consumer having been found insufficient, the consumer shall deposit such additional amount, as may be demanded by the Licensees failing which the Licensees may discontinue the supply of electricity.
- v. For new connections: Temporary supply at High Tension may be made available by the Licensees to a consumer, on his request subject to the conditions set out herein.

Temporary supply shall not ordinarily be given for a period exceeding 6 (six) months. In case of construction projects, temporary supply can be extended for a period of 3 years.

- vi. Existing consumers requiring temporary supply or temporary increase in supply: If any consumer availing regular supply of electricity at High Tension requires an additional supply of electricity at the same point for a temporary period, the temporary additional supply shall be treated as a separate service subject to the following conditions.
- a. The contracted demand of the temporary supply shall be the billing demand for that service. The recorded demand for the regular service shall be arrived at by deducting the billing demand for the temporary supply from the maximum demand recorded in the month.
 - b. The total energy consumed in a month including that relating to temporary additional supply, shall be apportioned between the regular and temporary supply in proportion to the respective billing demands.

6. GENERAL CONDITIONS FOR HT SUPPLY

6.1 Voltage of Supply

The voltage at which supply has to be availed by:

- (1) HT consumers, seeking to avail supply on common feeders shall be:

For total Contracted Demand with the Licensee and all other sources	
Up to 1500 kVA	At 11 kV
1501 kVA to 2500 kVA	At 11kV subject to technical feasibility or at 33 kV
2501 kVA to 5000 kVA	At 33 kV
5001 kVA to 10000 kVA	At 33 kV# subject to technical feasibility or at 132 kV
Above 10000 kVA	At 132 kV# or above, as may be decided by the licensee

Note:

- i. While extending power supply at 33 kV for smaller demands, proper CT ratio has to be selected.
 - ii. The DISCOMs will extend the above power supply capacities subject to technical feasibility.
 - iii. The Licensee shall ensure adequate conductor capacity and if augmentation of conducted capacity is required, the necessary augmentation charges may be collected from the consumer.
 - iv. The Licensee shall ensure voltage regulation within the specified limits.
 - v. (#) Power supply at 132 kV and above shall be through an independent (Dedicated) feeder or through Loop in Loop out (LILLO) arrangement as decided by APTransco.
- (2) HT consumers seeking to avail supply through independent (dedicated) feeders from the substations where transformation to required voltage takes place shall be:

For total Contracted Demand with the Licensee and all other sources	
Capacity	Supply Voltage
Up to 3000 kVA	11 kV or 33 kV
3001 kVA to 5000 kVA	33 kV
5001 kVA to 20,000 kVA	33 kV or above
Above 20,000 kVA	132kv or 220 kV as may be decided by the licensee

The relaxations are subject to the fulfilment of following conditions:

- (i) The consumer shall pay full cost of the service line including take off arrangements at substation.
- (ii) In case of Category-II and Category-III consumer categories, for whom the voltage wise tariff is applicable, the Licensee shall levy the tariff as per the actual supply voltage.

Provided that the DISCOMs shall have the right to convert an existing independent feeder into an “express feeder” and in such cases, the DISCOMs shall also compensate to the existing consumer who had paid the entire cost of line including take off arrangement in the sub-station, subject to fulfilment of following conditions:

- (a) If independent feeder’s age is more than 10 years, no compensation is required to be paid to the existing consumer and no service line charges shall be collected against existing feeder.
- (b) If the line age is less than or equal to 10 years, the prospective consumer shall pay 50% of estimated cost of line including take off arrangement up to the tapping point.
- (c) The amount paid by the new consumer shall be adjusted against the future bills of existing consumer who has earlier paid for the cost of feeder including take off arrangement.
- (d) Once the feeder is converted into express feeder, no compensatory charges shall be collected from the subsequent consumers to avail power supply from that express feeder.

3. HT consumers intending to avail supply through express feeder from the sub-station where transformation to required voltage takes place shall be:

For total contracted demand with the licensees and all other sources

Description	Capacity	Supply Voltage
Total demand of all consumers	Up to 3000 kVA	11 kV
Total demand of all consumers	3001 kVA to 20000kVA	33 kV

Note: The sum total of individual contracted demands shall not exceed 3000 kVA in case of 11 kV consumers and 20000 kVA in case of 33 kV consumers.

6.2 Voltage Surcharge

H.T. consumers who are now getting supply at voltage different from the declared voltages and who want to continue taking supply at the same voltage will be charged as per the rates indicated below:

S. No.	Contracted Demand with Licensee	Voltage at which supply should be availed (in kV)	Voltage at which consumer is availing supply (in kV)	Rates % extra over the normal rates	
				Demand Charges	Energy Charges
(A) HT consumers availing supply through common feeders:					
1.	2501 kVA to 5000 kVA	33	11	12%	10%
2.	5000 kVA to 10000 kVA	33	11	12%	10%
3.	Above 10000KVa	132 or 220	33 or below	12%	10%
(B) HT Consumers availing supply through independent feeders:					
1.	3001 to 20000 kVA	33 or above	11	12%	10%
2.	Above 20000 kVA	132 or 220	33	12%	10%
Note:					
i) In case of consumers who are having supply arrangements from more than one source, CMD with the Licensee or RMD, whichever is higher shall be the basis for levying voltage surcharge.					
ii) The Voltage Surcharge is applicable to only existing services and licensees shall not release new services at less than specified voltage corresponding to contracted demand.					

6.3 Maximum Demand

The maximum demand of supply of electricity to a consumer during a month shall be twice the largest number of kilo-volt-ampere hours (kVAh) delivered at the point of supply to the consumer during any consecutive 30 minutes in the month. However, for the consumers having contracted demand above 4000 kVA the maximum demand shall be four times the largest number of kilo-volt-ampere-hours (kVAh) delivered at the point of supply to the consumer during any consecutive 15 minutes in the month.

6.4 Billing Demand

The Billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher, except Category-I(B):HT i.e. Townships, Colonies, Gated Communities and Villas. For Category-I(B): HT the minimum billing condition of 80% of the contracted demand shall not be applicable.

6.5 Monthly Minimum Charges

Every consumer whether he consumes energy or not shall pay monthly minimum charges calculated on the billing demand plus energy charges specified for each category to cover the cost of a part of the fixed charges of the Licensee.

6.6 Additional Charges for Maximum Demand in excess of the Contracted Demand:

If in any month the Recorded Maximum Demand (RMD) of the consumer exceeds his Contracted Maximum Demand (CMD) with Licensee, the consumer will pay the following charges on excess demand and on energy (penal charges only on excess energy) calculated in proportion to the excess demand:

RMD	Demand Charges on Excess Demand	Energy Charges on Excess Energy
100% to 120% of CMD	2 times of normal charge	Normal
Above 120% and up to 200% of CMD	2 times of normal charge	1.5 times of normal charge
More than 200% of CMD	2 times of normal charge	2 times of normal charge
Excess demand and energy charges shall be computed as follows: Excess Demand = (RMD-CMD) if RMD is more than CMD with Licensee. Excess Energy = (Excess Demand / RMD) X Recorded Energy		

6.7 Additional Charges for delayed payment

The Licensees shall charge the Delayed Payment Surcharge (DPS) per month on monthly consumption charges only at the rate of 5 paise/ 100/day or 550 whichever is higher. In case of grant of installments, the Licensees shall levy interest at the rate of 18% per annum on the outstanding amounts, compounded annually and both shall not be levied at the same time.

6.8 Customer charges

Every HT Consumer shall pay customer charges as applicable to them, in addition to demand and energy charges billed.

6.9 Maintenance of Power Factor at consumer end

HT consumers, who are provided with metering capable of measuring active and reactive power under the orders of the Commission, shall maintain their power factor preferably in between 0.95 Lag and 0.95 Lead in the interest of the system security. The consumers should not maintain the power factor leading side less than 0.95 Lead. If any consumer maintains the power factor less than 0.95 Lead for a period of 2 consecutive months, it must be brought back in the range of ± 0.95 within a period of 3 months failing which without prejudice to such other rights as having accrued to the licensees or any other right of the licensees the supply to the consumer maybe discontinued.

7 OTHER CHARGES FOR HT SUPPLY**7.1 Service Connection Charges**

The service connection charges shall be collected as per the Regulations issued by the Commission from time to time.

7.2 Reconnection

All Categories	Charges
11 kV	2000
33 kV	4000
132/220 kV	6000

7.3 Testing

(a) Installations:	Charges
The first test and inspection of a new installation or of an extension to an existing installation.	Nil
Charges payable by the consumer in advance for each subsequent test and/or inspection if found necessary owing to any fault in the installation or to non-compliance of the conditions of supply	Rs. 300
(b) Meter	Rs.5000
(c) Transformer Oil:	
First sample of oil	Rs. 200
Additional sample of oil of the same equipment received at the same time	Rs. 300

7.4 Miscellaneous Charges

(a) Application Registration Fees	Rs. 500
(b) For changing meter only at the request of the consumer (where it is not necessitated by increase in Demand permanently)	Rs. 1000
(c) For changing or moving a meter board	Actual cost of material and labour plus 25% supervision charges on cost of materials and labour.
(d) Customer Charges:	
All categories - 11 kV	Rs. 1406/month
All categories - 33 kV & above	Rs. 2813/month
(e) Urgency charges for temporary supply at short notice	Rs. 1000
(f) Special rates chargeable for theft/pilferage and malpractice cases	As per the General Terms and conditions of Supply (GTCS) approved by the Commission from time to time
(g) Supervision/Inspection & checking charges	Rs. 1000

7.5 Miscellaneous works (HT)

The charges for any work which the Licensee may be required to undertake for the consumer and which is not included in the foregoing schedule, shall be the actual cost of labour and material plus 25% on cost of labour and material to cover overhead charges. The aforesaid charges shall be paid by the consumer in advance.

7.6 Grid support charges/parallel operation charges for FY2024-25 shall be collected from only co-located captive power plants. The captive power plant status shall be verified as per the MoP rules and CEA guidelines in this regard. The other conditions are as mentioned below:

- i. The parallel operation/grid support charges are to be applied to the total installed capacity of the generators connected to the Grid duly deducting the OA capacity or the PPA capacity if any with the DISCOMS.
- ii. Conventional CPPs shall pay Rs.50 per kW per month.
- iii. Renewable energy plants including waste heat recovery plants, the plants based on municipal solid waste, and the co-gen plants shall pay Rs.25 kW per month.
- iv. Rooftop solar plants under net metering/gross metering policy shall pay Rs.15 per kW per month.
- v. Co-gen sugar mills shall pay charges of Rs. 25 per kW per month, for a period of 4 months or actual operation period, whichever is higher.
- vi. These charges shall not be applicable when the plants are under shutdown for any reason and when such shutdown period exceeds two months.

7.7 Green Tariff

Renewable Energy procurement from Distribution Licensee by obligated entities/non-obligated entities at Green Tariff without need to change of category. The obligated/non-obligated entities may purchase Renewable Energy from the Distribution Licensee in the following manner:

- i. Any entity may elect to purchase Renewable Energy either up to a certain percentage of the consumption or its entire consumption and accordingly, they shall place a requisition for this with their distribution licensee, three months before the date of the commencement of the financial year during which the entities intended to procure from FY 2024-25. For the balance period of FY 2023-24, the entities may place a requisition with their distribution licensee within one month from the date of this regulation coming in to force. Then, the distribution licensee shall procure such quantity of Renewable Energy and supply it to the entities concerned.
- ii. The obligated entities may purchase on a voluntary basis, more renewable energy than their obligation and up to a hundred percent. The percentage of renewable energy requisite by obligated/non-obligated entities from the distribution licensees shall not be less than RPO specified by the Government of India/APERC for the obligated entities whichever is higher for that financial year.

- iii. The Green Tariff for the Renewable Energy supplied by the distribution licensee for FY 2023-24 shall be 75 paise over and above the normally applicable tariff for respective entities as per the RST Order for FY 2023-24 issued by the Commission. This tariff for future years will be as per RST Orders to be issued by the Commission. The energy consumed at 75 paise over and above the normally applicable tariff out of the total energy consumed by the entities from the distribution licensees shall be treated as the Renewable Energy supplied by the distribution licensee during that billing month. The Distribution Licensee shall issue the monthly digital certificate (physical certificate on specific request) to such consumers certifying the quantity of Renewable Energy out of the total consumption.
- iv. All electricity consumers in the State have the option to source 100% Renewable Energy power by additionally paying above stated Green Tariff at their respective categories without to opt a separate category “ Green Power” that is already in place as per RST Order approved by the Commission.
- v. Any requisition for Renewable Energy from a distribution licensee shall be for a minimum period of one year from FY 2024-25 and a balance period for FY 2023-24 and accordingly, month-wise energy shall be specified.
- vi. The Renewable Energy purchased from the distribution licensee in excess of the Renewable Purchase Obligation of an obligated entity and 100 percent of energy procured by the non-obligated entities shall be counted towards Renewable Purchase Obligation compliance of the distribution licensee;
- vii. The revenue earned by the distribution licensee from the sale of renewable energy to entities/consumers under the Green Tariff shall be considered as revenue from the sale of power. The Distribution Licensee shall separately maintain tariff category and sub-category-wise accounting of no. of consumers, connected load, sale, and revenue from sale under the Green Tariff for consumers and the same shall be shown separately by the distribution licensees at the time of ARR filings, and truing up.
- viii. The distribution licensee shall give a Green Stars certificate on a yearly basis to the entities for the green energy supplied by it for Renewable Energy beyond the renewable purchase obligation (RPO) for obligated entities notified by the government of India/APERC whichever is higher. The entities/consumers shall be given a Green Stars Rating based on Renewable Energy procurement during the financial year as below:
 - a. 100 per cent of consumption: 5 Green Stars
 - b. 75 per cent of consumption: 4 Green Stars
 - c. 50 per cent of consumption : 3 Green Stars

Accordingly, the distribution licensee shall issue a “Green Stars Certificate” to all the eligible entities within three months after the completion of that financial year. The certificate format shall be as approved by the Commission. Such green stars shall be also indicated in their monthly bills based on the month-wise requisitions for

renewable energy and total consumption of the month as per the percentages indicated above.

- ix. Non-obligated entities of any category including the domestic consumers at any voltage level may opt to procure the Renewable Energy as per the procedure stated above.
 - x. The Distribution licensees shall give wide publicity at regular intervals during the year about the availability of RE power through newspapers/media/interaction meetings with the industrial consumers based on their Renewable Power procurement status.
 - xi. The green power for consumers availing green tariff shall be “subject to availability of RE” in the respective DISCOS.”
172. The payment of subsidy amounts indicated in the beginning of this chapter must be made by the Government of Andhra Pradesh to the Licensees in equal monthly instalments, in advance. The subsidy accounting and payment including the interest on subsidy if it gets delayed shall be done by GoAP as per the SoP communicated by the MoP.GoI dated 03.07.2023.
173. The above determined rates for “Category I (A): Domestic-LT” & “Category V: Agriculture & Others-LT” consumers, for all the three licensees are contingent on payment of subsidy as agreed by the GoAP, failing which, the rates contained in the full cost recovery tariff schedule (Chapter-IX of this order) will become operative.
174. The rates indicated in the Retail Supply Tariff Schedule for FY2024-25 together with the terms and conditions prescribed thereunder shall be applicable in the areas of operation of 3 (three) Distribution Companies viz. Eastern Power Distribution Company of A.P. Limited (APEPDCL) and Southern Power Distribution Company of A.P. Limited (APSPDCL) and Andhra Pradesh Central Power Distribution Corporation Ltd (APCPDCL) w.e.f. 01-04-2024 to 31-03-2025.

CHAPTER – XI

CROSS SUBSIDY SURCHARGE AND ADDITIONAL SURCHARGE

Introduction

175. Sections 39(2) (d) (ii) and 40(c) (ii) of the Electricity Act, 2003 (hereinafter referred to as ‘the Act’) provide for payment of a Surcharge (hereinafter referred to as ‘the Cross Subsidy Surcharge’) when a transmission system is used for open access for supply of electricity to a consumer. Section 42(2) of the Act provides for payment of a surcharge in addition to the wheeling charges as determined by the State Commission. As per these provisions, the Cross-Subsidy Surcharge (CSS) has to be levied on the consumers who opt for open access which have to be utilized to meet the requirements of the current level of cross-subsidy.
176. Section 42(4) of the Act provides that a consumer permitted to receive the supply of electricity from a person other than the Distribution Licensee of the area in which such consumer is located shall be liable to pay an Additional Surcharge to meet the fixed costs of the distribution licensee arising out of his obligation to supply.

Licensees' proposals

177. The three distribution licensees viz., Southern Power Distribution Company of A.P. Ltd. (APSPDCL), Eastern Power Distribution Company of A.P. Ltd (APEPDCL) and Central Power Distribution Corporation Limited (APCPDCL), along with ARR & Tariff filings for determination of tariff for the retail sale of electricity for FY2024-25, have submitted the proposals for CSS (Cross Subsidy Surcharge), stated to be based on the formula specified in the National Tariff Policy, 2016. The CSS proposed by the Licensees for different categories of consumers is shown in the tables below:

Table 78: Filing - APSPDCL - Cross Subsidy Surcharges for FY2024-25

Consumer Categories		Average Realization (Excluding Customer Charges, Minimum Charges, NTI) (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss%	Carrying Cost of Regulatory Asset (Rs./unit)	Cross Subsidy Surcharge (Rs./unit)	20% of Average Realization	CSS as per APERC (Rs./unit)
		T	C	D	L	R	$S=T-[C/(1-L/100)]+D+R]$	$A=0.2*T$	$CSS=Lesser\ of\ S\ and\ A$
HT Category									
11 kV									
HT-I(B)	Townships, Colonies, Gated Communities Villas	7.55	4.69	2.20	9.71%	0.00	0.15	1.51	0.15
HT-II(A)	Commercial & Others	11.16	4.69	2.20	9.71%	0.00	3.76	2.23	2.23
HT-II(A)	Function Halls/Auditoriums	12.25	4.69	2.20	9.71%	0.00	4.85	2.45	2.45
HT II(B)	Start up power	12.25	4.69	2.20	9.71%	0.00	4.85	2.45	2.45
HT II(D)	Green Power	12.25	4.69	2.20	9.71%	0.00	4.85	2.45	2.45
HT III(A)	Industry	9.18	4.69	2.20	9.71%	0.00	1.78	1.84	1.78
HT-III(B)	Seasonal Industries(Off Season)	13.39	4.69	2.20	9.71%	0.00	5.98	2.68	2.68
HT-III(C)	Energy Intensive Industries	7.84	4.69	2.20	9.71%	0.00	0.44	1.57	0.44
HT-IV(A)	Utilities (Composite Protected Water Supply Schemes)	9.75	4.69	2.20	9.71%	0.00	2.35	1.95	1.95
HT-IV(B)	General Purpose	11.53	4.69	2.20	9.71%	0.00	4.13	2.31	2.31
33 kV									
HT-I(B)	Townships, Colonies, Gated Communities Villas	7.65	4.69	0.87	6.63%	0.00	1.76	1.53	1.53
HT-II(A)	Commercial & Others	10.69	4.69	0.87	6.63%	0.00	4.80	2.14	2.14
HT II(B)	Start up power	12.25	4.69	0.87	6.63%	0.00	6.36	2.45	2.45
HT II(D)	Green Power	12.25	4.69	0.87	6.63%	0.00	6.36	2.45	2.45
HT III(A)	Industrial General	7.48	4.69	0.87	6.63%	0.00	1.59	1.50	1.50
HT-III(B)	Seasonal Industries(Off Season)	15.20	4.69	0.87	6.63%	0.00	9.30	3.04	3.04
HT-III(C)	Energy Intensive Industries	6.27	4.69	0.87	6.63%	0.00	0.38	1.25	0.38
HT-IV(A)	Utilities (Composite Protected Water Supply Schemes)	8.98	4.69	0.87	6.63%	0.00	3.08	1.80	1.80
HT-IV(B)	General Purpose	9.22	4.69	0.87	6.63%	0.00	3.33	1.84	1.84
HT-IV(C)	Religious Places	5.08	4.69	0.87	6.63%	0.00	0.00	1.02	0.00
HT-V(E)	Government / Private Lift Irrigation	7.15	4.69	0.87	6.63%	0.00	1.26	1.43	1.26
132 kV									
HT-II(A)	Commercial & Others	9.10	4.69	0.75	3.55%	0.00	3.49	1.82	1.82
HT II(B)	Start up power	12.25	4.69	0.75	3.55%	0.00	6.64	2.45	2.45
HT III(A)	Industrial General	6.60	4.69	0.75	3.55%	0.00	0.99	1.32	0.99
HT-III(C)	Energy Intensive Industries	5.90	4.69	0.75	3.55%	0.00	0.28	1.18	0.28
HT-IV(D)	Railway Traction	8.07	4.69	0.75	3.55%	0.00	2.45	1.61	1.61
HT-V(E)	Government / Private Lift Irrigation	7.15	4.69	0.75	3.55%	0.00	1.54	1.43	1.43
220 kV									
HT III(A)	Industrial General	6.56	4.69	0.75	3.55%	0.00	0.94	1.31	0.94
HT-IV(D)	Railway Traction	8.48	4.69	0.75	3.55%	0.00	2.87	1.70	1.70
HT-V(E)	Government / Private Lift Irrigation	7.15	4.69	0.75	3.55%	0.00	1.54	1.43	1.43

Table 79 : Filing - APCPDCL - Cross Subsidy Surcharges for FY 2024-25

Consumer Category			Average Revenue Realization (Excluding Customer charges, NTI, DPS) (Rs./unit) (T)	Per unit weighted average cost of power purchase (Rs./unit) (C)	Transmission, distribution and wheeling charge (Rs./Unit) (D)	Applicable Loss % (L)	Carrying cost of Regulatory assests (Rs./Unit) (R)	Cross Subsidy Surcharge (Rs./Unit)	20 % of Average realization	Applicable CSS (Rs./Unit)
11 KV										
I	B	Townships, Colonies, Gated Communities and Villas	7.53	4.70	1.63	9.50	0.00	0.71	1.51	0.71
II	A	Commercial	11.54	4.70	1.63	9.50	0.00	4.72	2.31	2.31
II	A	Function Halls / Auditoriums	12.25	4.70	1.63	9.50	0.00	5.43	2.45	2.45
II	B	Start up power	12.25	4.70	1.63	9.50	0.00	5.43	2.45	2.45
II	D	Green Power	12.25	4.70	1.63	9.50	0.00	5.43	2.45	2.45
III	A	Industry	9.65	4.70	1.63	9.50	0.00	2.84	1.93	1.93
III	B	Seasonal Industries	20.12	4.70	1.63	9.50	0.00	13.30	4.02	4.02
III	C	Energy Intensive Industries	7.09	4.70	1.63	9.50	0.00	0.27	1.42	0.27
IV	A	Utilities	9.41	4.70	1.63	9.50	0.00	2.59	1.88	1.88
IV	B	General Purpose	11.71	4.70	1.63	9.50	0.00	4.89	2.34	2.34
V	E	Government / Private Lift Irrigation	7.15	4.70	1.63	9.50	0.00	0.33	1.43	0.33
33 kv										
I	B	Townships, Colonies, Gated Communities and Villas	7.49	4.70	0.67	6.55	0.00	1.79	1.50	1.50
II	A	Commercial	9.21	4.70	0.67	6.55	0.00	3.51	1.84	1.84
II	B	Start up power	12.25	4.70	0.67	6.55	0.00	6.55	2.45	2.45
III	A	Industry	7.52	4.70	0.67	6.55	0.00	1.83	1.50	1.50
III	B	Seasonal Industries	6.95	4.70	0.67	6.55	0.00	1.25	1.39	1.25
IV	B	General Purpose	9.56	4.70	0.67	6.55	0.00	3.86	1.91	1.91
V	E	Government / Private Lift Irrigation	7.15	4.70	0.67	6.55	0.00	1.45	1.43	1.43
132 kv										
II	B	Start up power	12.25	4.70	0.56	3.55	0.00	6.82	2.45	2.45
II	D	Green Power	12.25	4.70	0.56	3.55	0.00	6.82	2.45	2.45
III	A	Industry	6.75	4.70	0.56	3.55	0.00	1.33	1.35	1.33
IV	D	Railway Traction	7.56	4.70	0.56	3.55	0.00	2.14	1.51	1.51
V	E	Government / Private Lift Irrigation	7.15	4.70	0.56	3.55	0.00	1.72	1.43	1.43

Table 80: Filing - APEPDCL - Cross Subsidy Surcharges for FY2024-25

Consumer Category			Average Realization (Excluding customer charges, Minimum charges, NTI) (Rs/Unit)	Per Unit weighted Average Cost of Power Purchase (Rs/Unit)	Transmission, distribution and Wheeling Charges (Rs/Unit)	Applicable Loss %	Carrying Cost of Regulatory Asset (Rs/Unit)	Cross Subsidy Surcharge (Rs./Unit)	20 % of Average Realization	CSS (Rs./Unit)
			T	C	D	L	R	$S = T - (C / (1 - L / 100) + D + R)$	$A = 0.2 * T$	CSS = min (S, A)
HT SUPPLY										
11kV										
I	B	Townships, Colonies, Gated Communities and Villas	7.51	4.69	1.51	9.93%	0.00	0.78	1.50	0.78
II	A (ii)	Commercial & Others	11.30	4.69	1.51	9.93%	0.00	4.58	2.26	2.26
II	A(iv)	Function Halls/Auditoriums	12.25	4.69	1.51	9.93%	0.00	5.53	2.45	2.45
II	B	Startup Power	12.25	4.69	1.51	9.93%	0.00	5.53	2.45	2.45
III	A	Industrial General	8.43	4.69	1.51	9.93%	0.00	1.71	1.69	1.69
III	B	Seasonal Industries	17.77	4.69	1.51	9.93%	0.00	11.05	3.55	3.55
IV	A	Utilities	9.46	4.69	1.51	9.93%	0.00	2.74	1.89	1.89
IV	B	General Purpose	12.49	4.69	1.51	9.93%	0.00	5.76	2.50	2.50
V	E	Government / Private Lift Irrigation Schemes	7.15	4.69	1.51	9.93%	0.00	0.43	1.43	0.43
33 kV										
I	B	Townships, Colonies, Gated Communities and Villas	7.30	4.69	0.58	6.77%	0.00	1.68	1.46	1.46
II	A (ii)	Commercial & Others	9.79	4.69	0.58	6.77%	0.00	4.18	1.96	1.96
II	B	Startup Power	12.25	4.69	0.58	6.77%	0.00	6.64	2.45	2.45
III	A	Industrial General	7.31	4.69	0.58	6.77%	0.00	1.69	1.46	1.46
III	B	Seasonal Industries	9.44	4.69	0.58	6.77%	0.00	3.83	1.89	1.89
III	C	Energy Intensive Industries	7.01	4.69	0.58	6.77%	0.00	1.39	1.40	1.39
IV	A	Utilities	15.63	4.69	0.58	6.77%	0.00	10.01	3.13	3.13
V	E	Government / Private Lift Irrigation Schemes	7.15	4.69	0.58	6.77%	0.00	1.54	1.43	1.43
132kV										
II	A (ii)	Commercial & Others	12.64	4.69	0.49	3.55%	0.00	7.28	2.53	2.53
II	B	Startup Power	12.25	4.69	0.49	3.55%	0.00	6.89	2.45	2.45
III	A	Industrial General	6.83	4.69	0.49	3.55%	0.00	1.48	1.37	1.37
III	C	Energy Intensive Industries	5.70	4.69	0.49	3.55%	0.00	0.34	1.14	0.34
IV	D	Railway Traction	7.83	4.69	0.49	3.55%	0.00	2.47	1.57	1.57
220 kV										
II	A (ii)	Commercial & Others	7.62	4.69	0.49	3.55%	0.00	2.27	1.52	1.52
II	B	Startup Power	12.25	4.69	0.49	3.55%	0.00	6.89	2.45	2.45
III	A	Industrial General	6.64	4.69	0.49	3.55%	0.00	1.29	1.33	1.29
III	C	Energy Intensive Industries	5.65	4.69	0.49	3.55%	0.00	0.30	1.13	0.30
V	E	Government / Private Lift Irrigation Schemes	7.15	4.69	0.49	3.55%	0.00	1.79	1.43	1.43

178. **Objections/Views/Suggestions:**

- i. Andhra Sugars Ltd. stated that the Proposed CSS is on the Higher Side and also it differs between DISCOM and DISCOM to a large extent. There is no wisdom in imposing a cross-subsidy surcharge and an additional surcharge that makes Open Access impossible, illusory, and which will inflict wholly unjustified and warranted costs.

APEPDCL's Response: The Proposals on Cross Subsidy Surcharge (CSS) for FY 2024-25 are filed before the Hon'ble APERC in accordance with the National Tariff Policy (NTP) issued by the Ministry of Power, Govt. of India limiting the CSS to 20% of tariff applicable for a particular category only.

- ii. Electro Steel Casting stated that Demand charges have been added to the value of "T" while calculating CSS, due to which CSS value has increased. That demand charges are payable irrespective of purchase or no purchase of power through open access. There is no loss to DISCOM on account of demand charges if the consumer purchases power through open access. Thus, this should not form part of the value of "T".

APSPDCL's Response: The objector has filed Appeal No.302 of 2021 before Honourable APTEL stating that demand charges should not form part of 'T' in the Cross Subsidy Surcharge formula among many other grounds and DISCOM has filed its detailed response before the Honourable APTEL and that the case is pending.

- iii. Sri Chakra Cements Limited during the public hearings requested that the Cross Subsidy surcharge needs to be reduced. AP Textile Mills Association stated that the Cross Subsidy Surcharge proposed by DISCOMs is on a higher side.

DISCOMs' Response: The **matter** is in the purview of APERC.

Commission's View, Analysis, and Decision:

179. The limitations imposed by the statute and the Tariff Policy are being strictly followed by the Commission in letter and spirit while determining the CSS. In the formula provided in NTP for computation of CSS, 'T' is the tariff payable by the relevant category of consumers, including the Renewable Purchase Obligation. Indisputably tariff consists of two parts, namely, Demand and Energy charges. The formula has not excluded the demand part for calculating the Cross-Subsidy Surcharge. Therefore, the Cross-Subsidy Surcharge calculated by the DISCOMs strictly in accordance with the NTP-2016 formula does not suffer from any error requiring the Commission's intervention. However, this issue is subjudice before the Hon'ble APTEL for adjudication, and the Commission would abide by the decision of the Hon'ble APTEL

in this regard. For the energy drawn under an open access agreement with the utilities, the consumer has to pay CSS as per section 42 (2) of the Electricity Act 2003. While determining CSS, the Commission strictly followed the formula in NTP and hence any objection in this regard will have no merits. Further, if the CSS so computed is negative or zero for any category, the CSS is not specified for such categories or consumers in the Order. Furthermore, the Commission decided to determine the CSS for a category as a whole for Commercial & Others, Agricultural & related activities, Industries as a whole excluding the Energy Intensive Industries, and Institutional consumers as a whole excluding Railway traction to simplify the structure of CSS charges.

Determination of CSS

180. The formula specified for the computation of CSS is provided in the NTP as follows.

$$S = T - [C / (1 - L / 100) + D + R]$$

Where '**S**' is the Cross-Subsidy Surcharge (Rs/unit),

'T' is the tariff payable by the relevant category of consumers (Rs/unit), including reflecting the Renewable Purchase Obligation,

'C' is the per unit weighted average cost of power purchase by the Licensee (Rs/unit), including meeting the Renewable Purchase Obligation,

'D' is the aggregate of transmission, distribution and wheeling charge **applicable** to the relevant voltage level (Rs/unit),

'L' is the aggregate of transmission, distribution, and commercial losses, **expressed** as a percentage applicable to the relevant voltage level, and

'R' is the **per** unit cost of carrying regulatory assets (Rs/unit).

Provided that the surcharge shall not exceed 20% of the tariff applicable to the category of the consumers seeking open access.

The values of 'T', 'C', 'L', 'D', and 'R' in the above formula have been computed by the Commission as follows.

(i) **Computation of 'T'** (Tariff payable by the relevant category of consumers (Rs/unit), including reflecting the Renewable Purchase Obligation): The Tariff is two parts consisting of Demand and Energy Charges. The Tariff 'T' is arrived at by dividing the total estimated revenue (excluding other charges like Customer Charge, Minimum Charge, and NTI) from each category by the total sale of energy to that category as considered in this order. The applicable 'T' for each category of consumer is shown in the table below for ready reference:

Consumer Categories		SALES, MU			Fixed + Energy Charges (Rs. Cr)			Average Realization (Excluding Customer Charges, Minimum Charges, NTI, DPS) (Rs./unit) (T)		
		SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL
HT Category										
11 kV										
I	Townships, Colonies, Gated Communities and Villas	15.72	11.29	23.89	11.81	8.75	17.86	7.52	7.75	7.48
II	Commercial & Others	428.38	481.68	656.06	459.05	542.01	730.96	10.72	11.25	11.14
III (A,B,D)	Industry	1147.96	1051.36	1782.9	1029.95	1017.58	1515.23	8.97	9.68	8.50
III(C)	Energy Intensive Industries	1.57	1.17	0.00	1.23	0.83	0.00	7.83	7.09	0.00
IV	Institutional	223.68	137.96	199.86	208.75	139.55	190.74	9.33	10.12	9.54
V	Agricultural & Related	131.35	53.65	41.96	87.14	34.02	23.66	6.63	6.34	5.64
33 kV										
I	Townships, Colonies, Gated Communities and Villas	2.28	3.71	13.11	1.74	2.78	9.55	7.65	7.49	7.28
II	Commercial & Others	84.28	118.11	267.85	90.15	109.27	256.46	10.70	9.25	9.57
III (A,B,D)	Industry	2587.96	1501.53	2536.86	1929.65	1148.76	1856.25	7.46	7.65	7.32
III(C)	Energy Intensive Industries	211.58	0.00	250.91	132.60	0.00	149.84	6.27	0.00	5.97
IV	Institutional	124.58	32.22	13.37	94.37	30.80	12.22	7.58	9.56	9.14
V	Agricultural & Related	132.9	25.47	1.22	95.02	18.21	0.87	7.15	7.15	7.15
132 kV										
II	Commercial & Others	55.22	0.21	37.28	52.35	0.26	47.08	9.48	12.25	12.63
III (A,B,D)	Industry	3607.13	391.29	1869.97	2379.87	293.15	1277.60	6.60	7.49	6.83
III(C)	Energy Intensive Industries	463.97	0.00	2,554.55	273.52	0.00	1453.40	5.90	0.00	5.69
IV(D)	Railway Traction	851.24	472.82	1,102.42	680.31	361.09	849.92	7.99	7.64	7.71
V	Agricultural & Related	149.35	0.88	0.00	106.79	0.63	0.00	7.15	7.15	0.00

Consumer Categories		SALES, MU			Fixed + Energy Charges (Rs. Cr)			Average Realization (Excluding Customer Charges, Minimum Charges, NTI, DPS) (Rs./unit) (T)		
		SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL	SPDCL	CPDCL	EPDCL
220 KV										
II	Commercial & Others	1.12	0.00	109.51	1.37	0.00	86.10	12.25	0.00	7.86
III (A,B,D)	Industry	635.94	0.00	1436.96	417.23	0.00	954.46	6.56	0.00	6.64
III	Energy Intensive Industries	0.00	0.00	1,960.15	0.00	0.00	1108.10	0.00	0.00	5.65
IV(D)	Railway Traction	172.48	0.00	0.00	144.31	0.00	0.00	8.37	0.00	0.00
V	Agricultural & Related	414.39	0.00	46.82	296.29	0.00	33.48	7.15	0.00	7.15

(ii) **Computation of 'C'** (per unit weighted average cost of power purchase by the Licensee (Rs/unit), including meeting the Renewable Purchase Obligation): The licensee wise power purchase cost for FY2024-25 has been calculated by the Commission in the chapter -IV of this order and the same has been adopted for computation of CSS. The summary is shown below for ready reference:

Licensee	Power Purchase (MU)	Total Cost (in Rs. Cr.)	Weighted Cost of Power Purchase (Rs. / Unit)
APSPDCL	31294	14706	4.70
APCPDCL	17282	8122	4.70
APEPDCL	32449	15249	4.70

(iii) **Computation of 'D'** (the aggregate of transmission, distribution and wheeling charge applicable to the relevant voltage level (Rs/unit)):

Step1: Applicable wheeling charges at various voltage levels & Transmission charges and PGCIL charges as approved for FY2024-25 in this order by the Commission have been adopted for computation of 'D' and the same are shown below for ready reference.

Transmission & Wheeling Charges:

Network	(132 kV and above) (Rs./kVA/month)	33kV (Rs./kVA/month)	11kV (Rs.kVA/month)
APSPDCL	221.17	60.48	675.36
APCPDCL	221.17	59.62	476.93
APEPDCL	221.17	38.23	395.06

PGCIL Charges:

Network	PGCIL charges (Rs. Crs.)	Total PPR for FY2024-25 (MU)
APSPDCL	556.17	31294.00
APCPDCL	307.15	17282.40
APEPDCL	576.69	32,448.63

Step 2: The per unit value of Wheeling and/or Transmission and PGCIL charges are arrived at by using the formula shown below:

(i) Wheeling or Transmission Charge (Rs/kW/month)/720 (30*24). The wheeling charges component of the Network business of DISCOMS is considered.

(ii) PGCIL Charges (Cr.)*10/PPR (MU)

Accordingly, the per unit values of Wheeling, Transmission, and PGCIL charges computed are shown below:

Network	PGCIL Charges (Rs./kWh)	220kV (Rs./kWh)	132kV (Rs./kWh)	33kV (Rs./kWh)	11kV (Rs./kWh)
APSPDCL	0.18	0.31	0.31	0.08	0.94
APCPDCL	0.18	0.31	0.31	0.08	0.66
APEPDCL	0.18	0.31	0.31	0.05	0.55

Step 3: The aggregate of transmission, distribution and wheeling charge applicable to the relevant voltage level (Rs/unit) computed for each licensee based on step 1 and step 2 is as shown below:

APSPDCL:

Sl. No.	Voltage level	Rs./Unit	Aggregate of transmission, distribution and wheeling charge	
1	11 kV	0.94	(1+2+3+5)	1.51
2	33 kV	0.08	(2+3+5)	0.57
3	132 kV	0.31	(3+5)	0.48
4	200 kV	0.31	(4+5)	0.48
5	PGCIL	0.18		

APCPDCL:

Sl. No.	Voltage level	Rs./Unit	Aggregate of transmission, distribution and wheeling charge	
1	11 kV	0.66	(1+2+3+5)	1.23
2	33 kV	0.08	(2+3+5)	0.57
3	132 kV	0.31	(3+5)	0.48
4	200 kV	0.31	(4+5)	0.48
5	PGCIL	0.18		

APEPDCL:

Sl. No.	Voltage level	Rs./Unit	Aggregate of transmission, distribution and wheeling charge	
1	11 kV	0.68	(1+2+3+5)	1.26
2	33 kV	0.09	(2+3+5)	0.58
3	132 kV	0.31	(3+5)	0.49
4	200 kV	0.31	(4+5)	0.49
5	PGCIL	0.18		

(iv) **Computation of “L”** (Aggregate of transmission, distribution and commercial losses, expressed as a percentage applicable to the relevant voltage level): The losses as approved by the Commission in chapter III of this order are adopted for computation of L which are shown below licensee wise for ready reference:

APSPDCL:

Network	132 kV and 220 kV	33kV	11kV	Aggregate loss
	(a)	(b)	(c)	$L=\{1-(1-a)*(1-b)*(1-c)\}$
For 11kV Consumer	3.55%	2.99%	3.06%	9.30%
For 33kV Consumer	3.55%	2.99%	0.00%	6.43%
For 132 kV and 220kV consumer	3.55%	0.00%	0.00%	3.55%

APCPDCL:

Network	132 kV and 220 kV	33kV	11kV	Aggregate loss
	(a)	(b)	(c)	$L=\{1-(1-a)*(1-b)*(1-c)\}$
For 11kV Consumer	3.55%	2.99%	3.06%	9.30%
For 33kV Consumer	3.55%	2.99%	0.00%	6.43%
For 132 kV and 220kV consumer	3.55%	0.00%	0.00%	3.55%

APEPDCL:

Network	132 kV and 220 kV	33kV	11kV	Aggregate loss
	(a)	(b)	(c)	$L=\{1-(1-a)*(1-b)*(1-c)\}$
For 11kV Consumer	3.55%	2.74%	3.39%	9.37%
For 33kV Consumer	3.55%	2.74%	0.00%	6.19%
For 132 kV and 220kV consumer	3.55%	0.00%	0.00%	3.55%

(v) **Computation of 'R'** (Unit cost of carrying regulatory assets (Rs/unit)): As there is no regulatory asset, its value is zero.

181. The Commission by adopting the values as computed above in the formula provided in NTP, 2016, has computed the CSS for different categories of consumers for FY2023-24 licensee-wise, duly limiting it to + 20 percent of tariff payable by respective categories of consumers wherever CSS arrived by the formula is more than 20 percent of Tariff. Accordingly, the CSS applicable for different categories of consumers for FY2023-24 in each license area is shown in the tables below:

Table 81: Approved - APSPDCL - Cross Subsidy Surcharges for FY2024-25

Consumer Categories		Average Realization (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss %	Carrying Cost of Regulatory Asset (Rs./unit)	Cross Subsidy Surcharge (Rs./unit)	20% of Average Realization	CSS as per APERC (Rs/unit)
		T	C	D	L	R	$S=T-[C/(1-L/100)+D+R]$	$A=0.2*T$	CSS=Lesser of S and A
11 kV									
I	Townships, Colonies, Gated Communities Villas	7.52	4.70	1.51	9.30%	0.00	0.82	1.50	0.82
II	Commercial & Others	10.72	4.70	1.51	9.30%	0.00	4.02	2.14	2.14
III (A,B,D)	Industry	8.97	4.70	1.51	9.30%	0.00	2.28	1.79	1.79
III(C)	Energy Intensive Industries	7.83	4.70	1.51	9.30%	0.00	1.14	1.57	1.14
IV	Institutional	9.33	4.70	1.51	9.30%	0.00	2.64	1.87	1.87
33 kV									
I	Townships, Colonies, Gated Communities Villas	7.65	4.70	0.57	6.43%	0.00	2.06	1.53	1.53
II	Commercial & Others	10.70	4.70	0.57	6.43%	0.00	5.11	2.14	2.14
III (A,B,D)	Industry	7.46	4.70	0.57	6.43%	0.00	1.86	1.49	1.49
III(C)	Energy Intensive Industries	6.27	4.70	0.57	6.43%	0.00	0.68	1.25	0.68
IV	Institutional	7.58	4.70	0.57	6.43%	0.00	1.98	1.52	1.52
V	Agricultural & Related	7.15	4.70	0.57	6.43%	0.00	1.56	1.43	1.43
132 kV									
II	Commercial & Others	9.48	4.70	0.48	3.55%	0.00	4.12	1.90	1.90
III (A,B,D)	Industry	6.60	4.70	0.48	3.55%	0.00	1.24	1.32	1.24
III(C)	Energy Intensive Industries	5.90	4.70	0.48	3.55%	0.00	0.54	1.18	0.54
IV(D)	Railway Traction	7.99	4.70	0.48	3.55%	0.00	2.63	1.60	1.60
V	Agricultural & Related	7.15	4.70	0.48	3.55%	0.00	1.79	1.43	1.43
220 kV									
II	Commercial & Others	12.25	4.70	0.48	3.55%	0.00	6.89	2.45	2.45
III	Industry	6.56	4.70	0.48	3.55%	0.00	1.20	1.31	1.20
IV(D)	Railway Traction	8.37	4.70	0.48	3.55%	0.00	3.01	1.67	1.67
V	Agricultural & Related	7.15	4.70	0.48	3.55%	0.00	1.79	1.43	1.43

Table 82: Approved - APCPDCL - Cross Subsidy Surcharges for FY2024-25

Consumer Categories		Average Realization (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss%	Carrying Cost of Regulatory Asset (Rs./unit)	Cross Subsidy Surcharge (Rs./unit)	20% of Average Realization	CSS as per APERC (Rs./unit)
		T	C	D	L	R	$S=T-[C/(1-L/100)]+D+R]$	$A=0.2*T$	CSS=Lesser of S and A
11 KV									
I	Townships, Colonies, Gated Communities Villas	7.75	4.70	1.23	9.30%	0.00	1.33	1.55	1.33
II	Commercial & Others	11.25	4.70	1.23	9.30%	0.00	4.84	2.25	2.25
III (A,B,D)	Industry	9.68	4.70	1.23	9.30%	0.00	3.27	1.94	1.94
III(C)	Energy Intensive Industries	7.09	4.70	1.23	9.30%	0.00	0.68	1.42	0.68
IV	Institutional	10.12	4.70	1.23	9.30%	0.00	3.70	2.02	2.02
33 KV									
I	Townships, Colonies, Gated Communities Villas	7.49	4.70	0.57	6.43%	0.00	1.90	1.50	1.50
II	Commercial & Others	9.25	4.70	0.57	6.43%	0.00	3.66	1.85	1.85
III (A,B,D)	Industry	7.65	4.70	0.57	6.43%	0.00	2.06	1.53	1.53
IV	Institutional	9.56	4.70	0.57	6.43%	0.00	3.97	1.91	1.91
V	Agricultural & Related	7.15	4.70	0.57	6.43%	0.00	1.56	1.43	1.43
132 KV									
II	Commercial & Others	12.25	4.70	0.48	3.55%	0.00	6.89	2.45	2.45
III (A,B,D)	Industry	7.49	4.70	0.48	3.55%	0.00	2.13	1.50	1.50
IV(D)	Railway Traction	7.64	4.70	0.48	3.55%	0.00	2.28	1.53	1.53
V	Agricultural & Related	7.15	4.70	0.48	3.55%	0.00	1.79	1.43	1.43

Table 83: Approved - APEPDCL - Cross Subsidy Surcharges for FY2024-25

Consumer Categories		Average Realization (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss%	Carrying Cost of Regulatory Asset (Rs./unit)	Cross Subsidy Surcharge (Rs./unit)	20% of Average Realization	CSS as per APERC (Rs./unit)
		T	C	D	L	R	$S=T-[C/(1-L/100)+D+R]$	$A=0.2*T$	$CSS=Lesser\ of\ S\ and\ A$
11 kV									
I	Townships, Colonies, Gated Communities Villas	7.48	4.70	1.26	9.37%	0.00	1.03	1.50	1.03
II	Commercial & Others	11.14	4.70	1.26	9.37%	0.00	4.70	2.23	2.23
III (A,B,D)	Industry	8.50	4.70	1.26	9.37%	0.00	2.06	1.70	1.70
IV	Institutional	9.54	4.70	1.26	9.37%	0.00	3.10	1.91	1.91
33 kV									
I	Townships, Colonies, Gated Communities Villas	7.28	4.70	0.58	6.19%	0.00	1.70	1.46	1.46
II	Commercial & Others	9.57	4.70	0.58	6.19%	0.00	3.99	1.91	1.91
III (A,B,D)	Industry	7.32	4.70	0.58	6.19%	0.00	1.73	1.46	1.46
III(C)	Energy Intensive Industries	5.97	4.70	0.58	6.19%	0.00	0.38	1.19	0.38
IV	Institutional	9.14	4.70	0.58	6.19%	0.00	3.55	1.83	1.83
V	Agricultural & Related	7.13	4.70	0.58	6.19%	0.00	1.54	1.43	1.43
132 kV									
II	Commercial & Others	12.63	4.70	0.49	3.55%	0.00	7.27	2.53	2.53
III (A,B,D)	Industry	6.83	4.70	0.49	3.55%	0.00	1.47	1.37	1.37
III(C)	Energy Intensive Industries	5.69	4.70	0.49	3.55%	0.00	0.33	1.14	0.33
IV(D)	Railway Traction	7.71	4.70	0.49	3.55%	0.00	2.35	1.54	1.54
220 KV									
II	Commercial & Others	7.86	4.70	0.49	3.55%	0.00	2.50	1.57	1.57
III (A,B,D)	Industry	6.64	4.70	0.49	3.55%	0.00	1.28	1.33	1.28
III(C)	Energy Intensive Industries	5.65	4.70	0.49	3.55%	0.00	0.29	1.13	0.29
V	Agricultural & Related	7.15	4.70	0.49	3.55%	0.00	1.79	1.43	1.43

Determination of Additional Surcharge

182. The DISCOMS have not filed proposals on additional Surcharge. Hence, the Commission has not determined the same in the present Order. However, if the DISCOMS propose such charges in future as per their entitlement under Section 42(4) read with NTP for an additional surcharge, the same may be made within three months from the date of receipt of this Order.

CHAPTER - XII

IEWS/OBJECTIONS/SUGGESTIONS (GENERAL)

183. The Commission, during the public consultation process on ARR and tariff determination for the Retail Sale of Electricity for FY2024-25, has received many general views/objections/suggestions in addition to those specifically related to the ARR and Tariff determination. The Commission, having discussed the specific views/objections/suggestions at relevant places in this order, proposes to discuss the remaining views/objections/suggestions, which are general in nature, in this Chapter as detailed hereunder:
184. Sri. M. Venugopala Rao has stated elaborately on prepaid meters procurement, the way how the smart meters have been procured by the DISCOMS, the judicial process being followed in the procurement of smart pre-paid meters and the procedure to be adopted for the smart pre-paid meters billing. He stated that the so-called judicial preview cannot come in the way of the Commission for exercising its legitimate authority to examine the whole issue of purchasing pre-paid meters thoroughly, making the details public, holding public hearings on the same and taking appropriate decisions and issuing directions. That neither the governments, the Central Electricity Authority, the DISCOMS, nor ERCs have any power to direct installation of pre-paid meters, without the willingness of the consumers concerned to take the same. If consumers do not opt for pre-paid meters, what DISCOMS will do with the pre-paid meters purchased by them is the question raised. In this regard, he mentioned EPDCL's reply that the cost to be collected from the consumers will be determined by the Commission on the submission of the proposal by the Licensees and CPDCL replied that a charge of Rs.86 per month for 93 months would be collected from each consumer for installing these meters. The replies of DISCOMS imply that no such proposal was submitted by the DISCOMS and that the Commission had given its approval for the procurement of pre-paid meters and related materials without considering that point. He stated that only three companies participated in the bidding floated by AP DISCOMS. Several other companies in the country did not participate in the bidding indicating that the terms and conditions and the process of bidding were skewed to avoid their participation. Needless to say, the terms and conditions of bidding should give scope for wider participation of bidders in the country to ensure real competition and the benefit of competitive prices and charges. Since the entire maintenance of the system of pre-paid arrangements will be entrusted to a private company, they will have access to all the information relating to various categories of consumers. As proposed by the GoI, when private companies are allowed to take up power distribution in areas of their choice, the information available to the private company which operates and maintains the entire pre-paid system will help the private

DISCOMs for cherry-picking. Therefore, he requested the Commission to call for all records related to the procurement of smart meters and pre-paid meters, examine the same thoroughly, and give directions to the DISCOMs after making the information public and holding public hearings on the same to take appropriate decisions.

185. Sri. Ch. Babu Rao raised objection for finalising tenders for SMART meters without public or regulatory scrutiny. The report submitted by PRAYAS in this regard was not made public.
186. Sri. Kandarapu Murali stated that SMART Meters are not helpful to the State. Without the option/consent of the consumers, SMART meters cannot be installed to the consumers forcibly.

SPDCL's Response: As per the guidelines issued for providing smart/prepaid meters to system metering and consumer metering under RDSS, APSPDCL invited open tenders through the AP-e procurement portal for providing Smart meters to system metering and pre-paid smart meters to consumer metering. Initially, APSPDCL decided to provide pre-paid smart meters to Govt., services and then for commercial, industrial & domestic (>200 U) services. Accordingly, APSPDCL and AMISP (Contract Agency) are both scheduled to conduct a consumer awareness programme for collecting willingness forms from the consumers where pre-paid smart meters are going to be installed. Further, the Honourable APERC accorded approval vide Letter No. Engg/JD (Engg)/E-500-132/D.No.559/2023, Dt 03.04.2023 for providing pre-paid smart meters to consumers in a phased manner. The approval is subject to the following conditions.

- i. The works shall be executed strictly in accordance with the guidelines issued / conditions stipulated by the Govt. of India under RDSS in order to get a grant
- ii. The DISCOM shall not spend more than the approved amounts by GoI for each item of the works in any form/ whatsoever
- iii. In any FY during 2022-23 & 2024-25, if the DISCOM fails to achieve the targets fixed under RDSS and fails to get the grant, the same may be submitted to the Commission to take an appropriate decision
- iv. The APSPDCL shall adhere to the DPR cost for which the scheme is prepared duly excluding the agricultural services as GoAP issued GoMs.No.22, dt.01-09-2020 to bear the cost of providing metering to agricultural services under the DBT scheme, they should limit the project cost to the DPR amount only in all respects.

And also, to avoid ambiguity with the functioning of pre-paid smart meters among the consumers the existing meter will be kept in parallel to pre-paid smart meters as a check meter. APSPDCL will follow directions given by the Commission concerning smart pre-paid meters from time to time.

EPDCL's Response: APEPDCL has duly followed the guidelines of RDSS issued by MoP/GoI. Accordingly, the bidding document was prepared in line with the Standard bidding document issued by the REC. Before floating the tender, APEPDCL obtained clearance from the judicial preview on the bidding document. Further, the tender notice was published in newspapers (Regional & National) to give wide publicity for the participation of more bidders for competitive prices.

CPDCL's Response: APCPDCL has invited open tenders through the AP-e procurement portal for providing smart meters to system metering and pre-paid smart meters to consumer metering as per the guidelines issued by the MoP/GoI under RDSS. Before floating the tender, the bidding document was prepared in line with the Standard Bidding Document (SBD) published by REC and obtained clearance from Judicial preview without making any changes. As such, the claim that terms and conditions were skewed is not correct. Further, tender notice was published in newspapers (Regional & National) to give wide publicity for the participation of a greater number of bidders for competitive prices. The list of participants mentioned has the liberty to participate in open tendering. APCPDCL conducted a pre-bid meeting with the following companies.

Sl.No.	Firm
1	M/s Linkwel Telelinks (P) Ltd
2	M/s Monte Carlo Pvt Ltd
3	M/s Elsource
4	M/s Intellismart
5	M/s JIO
6	M/s Genus Power

187. Sri Yallapu Suryanarayana, Sri Rasamsetty Raja Babu, Sri Jalagam Kumara Swamy, Sri Paidikondala Shivaji, Sri Kouluri Pathi Raju & others stated that **DTR cost collected from** the Aquaculture consumers was not refunded by APEPDCL despite there being an order from the CGRF. A brief history of the cases quoted by them is given below.

A. In Rajahmundry circle of APEPDCL during the period between 05.05.2021 to 31.12.2021, 122 new services in Aquaculture and Animal Husbandry were released. EPDCL collected DTR charges & development charges from those consumers against Regulation No. 4 of 2013 dated 29.05.2015. Aggrieved by this, Mr. Bonam Nagaraju approached the CGRF on 20.04.2023 and the CGRF/EPDCL ordered to refund of the DTR costs to the farmer. Given this, since

all farmers in that group are similarly placed, DTR costs may be refunded to all the remaining farmers.

- B. In the Eluru circle of APEPDCL from 01.01.2021 to 31.12.2021, around 490 new services have been released and among them, DTR charges have been collected from 45 consumers. When Sri. Yellapu Suryanarayana raised this issue in public hearings held for tariff order FY 2023-24, DISCOM replied that dedicated DTRs were installed for certain consumers and hence DTR charges were collected. But, as per APERC Regulation 4 of 2013, it is clear that DTR charges can be collected only from Commercial complexes, Apartments and Multi-storeyed buildings. The refund of DTR charges to those 45 farmers is to be done by the DISCOMS.
- C. In Tadepalligudem Division of Eluru circle in APEPDCL from 1.1.2022 to 31.12.2022, services were released to 190 members under LT V (B) and DTR charges were collected from them. However, as per Regulation 6 of 2021, DTR charges can be collected from loads above 20 KVA or 25 HP. But there are 40 services with below 25 HP load. Even from them, DTR charges were collected. So refunding the DTR charges to the 40 consumers needs to be done by APEPDCL. As per Regulations, DTR charges shall not be collected for loads below 25 HP. But in Eluru circle Charges are being collected. CGRF ordered a refund of such charges in one case. Therefore, DISCOM shall refund the charges to all similarly placed Agriculture consumers.
- D. When the matter was brought to the notice of the Commission during FY 2022-23 hearings, the Commission suggested the consumers approach CGRF. In one case CGRF gave orders that DTR charges are to be refunded to the Consumers.

Stating the above, they requested the Commission to issue directions to refund DTR charges collected from aqua consumers violating the Regulations.

Sri. Hari Kishore Kumar Reddy stated that as per Regulation 4 of 2013, the responsibility for the erection of DTR lies with the distribution licensee and they shall not collect the cost of the transformer from any consumers. As per the proceedings of the Commission dated 29.05.2015 and 08.01.2021, the excess cost collected shall be reimbursed to the consumer at the time of release of service connection. But in APSPDCL, DTR cost is collected from LT Aquaculture consumers against those regulations and proceedings. SPDCL did not refund any consumer except one. There are still 59 consumers to whom DTR cost is to be returned.

EPDCL's Response: The applications for new Aquaculture services have been registered under the Ease of Doing Business (EoDB) scheme. While making registration in the scheme in Mee Seva centres, there is an option available to the consumer whether they want a dedicated transformer. Since the subject consumers have opted for dedicated Transformers, the DTR cost has been included in the

estimates and collected from them. Further, the following reasons are shown for collecting DTR charges in reply to another objection on similar lines.

- There is no sufficient capacity available for the release of the new loads on the near DTR.
- There is no 11 kV Line and DTR available nearby the location of the new service connection.
- The consumer has requested for a dedicated DTR in the application made in the EoDB platform and there is no possibility to release any other service on the DTR.

SPDCL's Response: On examination of 58 nos aquaculture applications, it is found that 31 nos consumers have paid the DTR cost and the remaining 27 numbers have not paid the DTR cost. Out of 31 nos, 10 nos consumers have applied for dedicated DTRs and the remaining 21 nos, the balance DTR costs after the deduction of development charges are refunded by adjusting their CC bills.

188. AP United Citizens Forum stated that present FPPCAs & True Ups collected by DISCOMs should be waived because these chargers are collected for no fault of consumers. The Commission may ensure that there will be no more imposition of FPPCAs and TRUE Ups on the consumers.

Andhra Sugars stated that due to late filings of True-Up and FPPCA charges, the consumers are unable to bear the additional burden and the entire financial structure is getting disturbed.

Sri. P.S. Sampath questions the propriety of levying True-Up and FPPCA when the electricity charges are being paid as per the slab rates. He has requested for cancellation of the FPPCA and True-Up charges.

AP Ferro Alloy Producers Association has stated that the high cost of power is being passed on to the consumers in the form of FPPCA and the Ferro Alloys Sector is not in a position to absorb this high cost as all the orders of this sector from consumers is at a fixed price. Hence, there is no scope to absorb this additional burden. This sector requires certainty in tariffs without any hike.

Sri. B. Tulasi Das stated that in the current financial year, DISCOMs are collecting Rs 0.40 per unit as FPPCA without any public hearings. They did not mention anything about continuing the same in the next financial year. He has requested not to allow such levies and to cancel all True-Ups and FPPCAs.

Sri. Ch. Babu Rao, Sri. Ganta Sreeram, Sri. Medasani Vijaya Bhaskar, Sri. Subramanyeswara Rao & others objected to the levy of FPPCA charges stating that no service or Good in the world gets additional levy of charges in the form of adjustment charges after the usage of 3-5 years and demanded during public hearings that FPPCA be rolled back, waived off or cancelled henceforth in the interest of consumers as they cannot bear the burden.

Sri Sreekumar from PRAYAS Energy group, SAC member stated that FPPCA can be levied as a percentage of the existing tariff rather than as an absolute number, as suggested in the MoP formula.

Sri. B. Tulasi Das, Sri. Kandarapu Murali, Sri. Ganta Sreeram & others stated that the levy of FPPCA rate uniformly on all slabs in the Domestic category is not correct. First slab consumers with a rate of Rs 1.90 per unit and last slab consumers with a unit rate of Rs 9.75 per unit are paying FPPCA at a uniform rate of Rs 0.40 per unit. Thus, the percentage increase for the lowest slab consumer is higher.

Sri. M. Venugopala Rao during the public hearings stated that compared to the marginal increase in tariffs in the last four years, the impact of FPPCA is a lot higher.

Liquinox Gases stated that during the COVID-19 pandemic, they supplied liquid oxygen and medical oxygen to Govt. Govt authorities had taken over their plant and ran the plant in the interest of the public. For the entire consumption during the Covid period, FPPCA charges are being levied now. There is no option available for them to claim the FPPCA charges from GoAP. During the time of usage, the plant was not in their hands.

Sir Sayeed Parvez, Sri. Medasani Vijaya Bhaskar stated that True-Ups and FPPCA charges are more than the regular monthly consumption charges and in some cases, FPPCA & True Up charges are almost up to 60% of the charges.

Sri. Rasamsetti Rajababu said that though the DISCOMs are saying that they have not increased the tariff, they have levied indirect charges in the form of True-Up and FPPCA.

Sri Raghuram stated that FPPCA is levied on the monthly minimum billed consumption also which is not actual consumption.

Sri. Ch. Babu Rao stated that the '**Prajaballot**' was conducted by their organisation at various places in the State including Vijayawada. Most of the people(almost 99%) wanted the withdrawal of FPPCA /Tre Up charges.

Sri. M. Jaggu Naidu stated that the Govt promised not to enhance the tariff. But indirectly it is enhancing charges in the form of FPPCA and True-Up charges.

Sri. Vijaya Gopal Reddy, Manishreni Ferro Alloys stated that earlier FPPCA or FSA was a marginal charge. But now it has become a substantial charge. Tariff policy envisages tariffs to be predictable. Whereas due to several unpredictabilities, FPPCA is increasing much. If the prices are increased after several years, the business will be affected since the additional charges cannot be passed on to the old consumers.

DISCOMs' Response: True-Up & FPPCA charges are levied following Regulation 4 of 2005 and amendments from time to time, since the electricity chargers are designed based on estimates, the same has to be adjusted when actuals have been arrived at in the form of True-Ups or FPPCA. About the objection to the uniform levy of FPPCA charges to all category/slab consumers, the matter is in the purview of the Commission.

189. Sri. Kandarapu Murali, Ch. Babu Rao, Sri M Venugopala Rao & others stated that the APDISCOMs have filed their true-up claims under FPPCA to the tune of Rs.7200 crore more than four months back. The Hon'ble Commission has not yet taken up these true-up claims for its consideration and public hearing. The stated purpose of allowing the DISCOMs to collect a maximum of Re.0.40 per unit every month under FPPCA, without the prior consent of the Commission, is to improve the financial position of the DISCOMs. When such is the position, there does not seem to be any justification in not taking up the petitions filed several months back by the DISCOMs relating to their claims for true-up under FPPCA for 2022-23 for consideration, public hearing and issuing its orders by the Commission. Delaying this process is not in the interest of either the DISCOMs or the consumers. It goes against the spirit behind FPPCA. Avoidable delay in completing the regulatory process would affect the interest of the consumers, if carrying cost is imposed on the consumers from the date of filing the petitions for these true-up claims and interests of the DISCOMS, if carrying cost is allowed from the date of issuing orders by the Commission. Accumulation of several true-up claims and allowing them within a short period or a year would lead to the imposition of accumulated burdens on the consumers simultaneously.

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

190. Sri. M. Venugopala Rao and Others stated that there is a requirement for Regulating the Material Procurement process by DISCOMs. The Commission may examine the entire process of purchasing the materials by APDISCOMs and compare prices that prevailed in the market during the said year and prices paid for the same materials by power entities in other neighbouring states by calling for all relevant records from APDISCOMs and issue appropriate orders and make the details public so that the same can be examined by interested public to make their submissions during the public hearing on true-up claims for distribution business of the DISCOMs for the 4th

control period and MYT for distribution business for the 5th control period. They further stated that how the tender process for purchasing materials by the DISCOMs is being manipulated can be understood from the issue of disqualification of prestigious public sector undertaking BHEL-R&D, on supply of 11 kV feeders VCBs with CT and CRPs.

DISCOMs' Response:

EPDCL: The guidelines followed by APEPDCL in the purchase of transformers required for the works to be undertaken in the company are transparent. Open tenders were invited on the AP procurement portal in accordance with the rules, technical analysis of the bids of the participating companies was done and purchase orders were given to the L1 companies. There is no secrecy in the process of these tenders. All transformer tenders are conducted transparently. The transformers procured by the Telangana DISCOMs are of 2-star rating but the transformers procured by EPDCL are of 5-star rating. Following the B.E.E. guidelines only 5-star rated transformers are being procured in APEPDCL. The 5-star transformers installed in the network contribute to lesser distribution losses even though their cost is higher than the 2-star rating.

CPDCL: The comparison of rates of DTRs and PTRs has to be done by considering the uniform specification of the equipment. There are almost 18 aspects to be considered in the specification. In general, suppliers consider items such as actual payment period, transportation distances etc while quoting their bids and hence material costs depend on the said factors also.

SPDCL: The Licensee has submitted reasons for the increase in costs of DTRs, Conductors, Transformers etc to the Hon'ble APERC. About the disqualification of BHEL-R&D on procurement of 11kV VCBs, the letter was already addressed to BHEL duly mentioning the reasons for the non-consideration of their bid.

191. Sri. K.V. Mukunda Reddy, on behalf of AP Poultry Federation, requested that the DISCOMs shall allow the installation of an **11 kV Load Break Switch (LBS)** wherever there are space constraints to install the required Metering infrastructure for the release of supply. The estimates may provide for such a facility to suitably incorporate the cost of LBS.

APEPDCL's Response: As per the existing estimate procedures, LBS usage is not contemplated.

192. Smt Janaki Pavana Lakshmi stated that proper & fair compensation is not paid to the farmers when the power utilities are laying the lines.

193. Sri. M. Appalakonda during public hearings stated that electricity service connections are not being released to the SC households, vacant & occupied house sites for want of documents. So, MRO certificates should be treated as sufficient compliance to release the connections. Free electricity to the extent of 200 units per month to SC households is not implemented if there is anyone in the combined family who gets a job.
194. Sri. T. Subba Rao stated that around Rs 40,000 is being collected by DISCOMs for the replacement of the Metering Cubicle (MC) in case it is burnt a second time. It should be dispensed with.
195. Sri. Medasani Vijayabhaskar contended that in the housing layouts, electric poles can be permitted to be laid on the edge of the drainage system. Electrification of layouts is to be provided if and only when common sites and toilets are provided.

APCPDCL's Response: The objections are not related to ARR. If the objector furnishes a written complaint with details to the nearby SE/Operation or DE/Operation of the DISCOMs, the same will be examined.

196. Sri. Ch, Janakiram, SAC Member has stated that the Harmonic content percentage is increasing in Voltage & Current due to rampant usage of non-linear loads. Due to the presence of harmonics over and above the allowable limits, the performance of the equipment deteriorates. He stated that recently Tamil Nadu has implemented the penalty for exceeding harmonic content.

Commission's Views:

197. At the outset, it may be stated that the Commission has been giving utmost priority to consumer-centric services such as Standards of Performance (SoP) of the DISCOMs, compensation to the victims of electrical accidents, payment of compensation under the works of licensee's rules, and the release of agriculture services strictly as per seniority, etc. In this regard, the Commission has taken several measures to improve the licensees' performance in the said service areas such as amending the SoP Regulation to provide for automatic compensation by the DISCOMS to the consumers for failure to meet standards in respect of certain services. The Automatic payment of compensation to electricity consumers is being implemented from June 2021 in respect of services such as fuse-off calls, processing of new applications for release of new connections, the release of new connections and wrongful disconnection of services, etc. The DISCOMS have paid a compensation of Rs. 52 lacs to 20,190 consumers in FY 2022-23 and Rs.6.5 lacs to 5754 consumers in FY 2023-24 by the end of Q1 in FY2023-24. Special officers were also appointed by the Commission to randomly check the ground situation on the supply status, and service issues and to

perform any other tasks assigned to them. The Commission is ensuring timely appointments to the CGRF and Vidyuth Ombudsman. The orders passed by them are being monitored every month to ensure the timely disposal of the complaints of the consumers. The number of complaints with them for adjudication is only 220 for the three DISCOMS together for about 2 crores consumers in the State indicating the effectiveness of the consumer service. All these measures by the Commission helped in getting an A grade rating in consumer service for all the DISCOMS for FY2022-23 from the Government of India.

198. With the above background, the views of the Commission on various views/objections/suggestions referred to above are provided in the following paragraphs.

199. As regards the issues raised on smart prepaid meters, it is relevant to mention the provisions of the Electricity Act, 2003, the CEA's Regulations, and GoI's notification on the smart pre-payment meters.

“Section 55. (Use, etc., of meters): --- (1) No licensee shall supply electricity, after the expiry of two years from the appointed date, except through installation of a correct meter in accordance with the regulations to be made in this behalf by the Authority: Provided that the licensee may require the consumer to give him security for the price of a meter and enter into an agreement for the hire thereof, unless the consumer elects to purchase a meter:

Provided further that the State Commission may, by notification, extend the said period of two years for a class or classes of persons or for such area as may be specified in that notification.”

The CEA has notified the Central Electricity Authority (Installation and Operation of Meters) (Amendment) Regulations, 2022 on 28 Feb 2022 under section 55 of the Electricity Act, 2003.

Regulation 4 (1) (b) of the said regulations reads as under:

“All consumers in areas with communication network, shall be supplied electricity with Smart Meters working in prepayment mode, conforming to relevant IS, within the timelines as specified by the Central Government:

Provided that all consumer connections having current carrying capacity beyond that specified in relevant IS, shall be provided with meters having automatic remote meter reading facility or Smart Meters as per relevant IS.

Provided further that in areas which do not have communication network, installation of prepayment meters, conforming to relevant IS, shall be allowed by the respective State Electricity Regulatory Commission.”

Following the above regulations, the Ministry of Power, GoI issued a notification on 23.05.22 stipulating the following timelines for the installation of smart meters.

“2.1 All consumers (other than agricultural consumers) in areas with communication network, shall be supplied electricity with Smart Meters working in prepayment mode, conforming to relevant IS, within the timelines specified below:

(i) All Union Territories, all electrical divisions with high AT&C Loss (Urban Areas with AT&C loss >15% and rural areas with AT&C loss >25%), Industrial and Commercial consumers, all Government offices at Block level and above, shall be metered with smart meters, with prepayment mode, by 31st December, 2023:

Provided that these areas shall also be covered for smart Distribution Transformer (DT) metering by the Advanced Metering Infrastructure Service Provider (AMISP), on a priority basis, by 31st March 2023; Provided also that the State Regulatory Commission may, by notification, extend the said period of implementation, giving reasons to do so, only twice but not more than six months at a time, for a class or classes of consumers or for such areas as may be specified in that notification;

(ii) All other areas shall be metered with smart meters, with prepayment mode, by 31st March 2025:

Provided that in these areas smart Distribution Transformer (DT) metering shall be completed by 31st December 2023;

(iii) All feeders shall be metered by 31st December 2022;

(iv) All the feeder meters shall be made communicable under National Feeder Monitoring System (NFMS) by 31st December 2022 and shall have Automatic Meter Reading (AMR) facility or shall be covered under Advanced Metering Infrastructure (AMI).

2.2 In areas which do not have communication network, installation of prepayment meters, conforming to relevant IS, may be allowed by the respective State Electricity Regulatory Commission.

2.3 All consumer connections, having current carrying capacity beyond that specified in relevant IS, may be provided with meters with smart meters having AMR facility.

2.4 Distribution Transformers (DTs) and High Voltage Distribution System (HVDS) transformers having a capacity of less than 25 kVA and DTs feeding only agricultural consumers may be excluded from the above timelines.

Therefore, as per the law in vogue, all the existing meters shall be replaced with smart prepayment meters by 31st March 2025 and the Commission can only direct the installation of normal prepayment meters where the communication network coverage is not available. Hence, the proposed installation of smart meters for existing and new consumers is in compliance and conformity with the statutory scheme under the Electricity Act and no exception could be taken in this regard. The smart prepayment meters will be installed in a phased manner. Regarding the choice of the procurement

of meters by Consumers, as per the GTCS approved by the Commission, the consumers have a right to install their own meters as per the specifications prescribed by the Licensee. Only where the consumers do not opt to install their own meters, the DISCOMs will instal meters procured by them. This was made clear by the Commission in its proceedings dt 05-09-2023. Though the meter cost is to be collected from the consumers in the form of rent as per the Regulation in vogue, the procurement cost of meters was allowed by the successive Commissions in the Capital investments of the DISCOMS. Hence, the DISCOMS are not charging the meter cost directly to consumers. This Commission has also allowed the smart meters procurement investment under the RDSS scheme of GoI to avail of the capital grant provided in the Scheme as per practice in vogue. There is no specific regulation which regulates the procurement process of materials of the DISCOMS.

200. The DISCOMS being owned by the government has to comply with the procedural requirements stipulated by the State government while procuring material through a tender process. The State Govt has put in place a process of judicial scrutiny by a former High Court judge, who scrutinised bid conditions and approved the same. In this context it is to be stated, every investment proposal received by the Commission would be scrutinised with utmost care. This being a part of the day-to-day regulatory process, law does not stipulate any public consultation process. The Commission receives many investment proposals from the Distribution and Transmission Licensees day in and day out. They are examined and either approved or rejected/returned by recording reasons. Apart from the absence of legal stipulation for public hearings on investment proposals, it is neither possible nor feasible for the Commission to embark on public hearings before taking its decisions as that would not only be a cumbersome process but also lead to huge delays in taking decisions, thereby delaying execution of proposed projects which will jeopardise public interest.
201. In their proposal for approval of the smart meter project, the DISCOMS have stated in writing that before the commencement of the procurement process, they have obtained clearance from the Hon'ble Judge, Judicial Preview, established under the Andhra Pradesh Infrastructure (Transparency through Judicial Preview) Act, 2019. and that they have followed a transparent bidding process in the procurement of smart meters. Having considered the legal mandate for installation of smart meters, as narrated above, the Commission has also stipulated various conditions to ensure transparency and prevent misuse of public money. Those conditions were enumerated by one of the DISCOMs which were extracted in forgoing paras. However, for the ready reference, they are restated hereunder.
- i. The works shall be executed strictly in accordance with the guidelines issued / conditions stipulated by the Govt. of India under RDSS in order to get a grant

- ii. The DISCOM shall not spend more than the approved amounts by GoI for each item of the works in any form whatsoever
- iii. In any FY during 2022-23 & 2024-25, if the DISCOM fails to achieve the targets fixed under RDSS and fails to get the grant, the same may be submitted to the Commission to take an appropriate decision
- iv. The APSPDCL shall adhere to the DPR cost for which the scheme is prepared duly excluding the agricultural services as GoAP issued GoMs.No.22, dt.01-09-2020 to bear the cost of providing metering to agricultural services under the DBT scheme, they should limit the project cost to the DPR amount only in all respects.

The above conditions are a testimony to the regulatory oversight exercised and utmost care shown by the Commission for safeguarding consumer interests while approving proposal of the DISCOMS for procurement of smart meters. Any criticism in this regard is unfair and unjust.

Regarding apprehension of cherry picking, the DISCOMS have to establish the metering infrastructure as outlined in the standard bidding document issued by GoI in this regard, and all such metering infrastructure is under the control of respective DISCOMS. Hence, the misuse of the DATA of consumers by private parties to cherry-pick when they are granted distribution licences is a far-fetched imagination. The licensing activity is governed by the Regulations issued by respective SERCs under the provisions of the Electricity Act, 2003 which will take care of cherry-picking while granting the license.

202. Regarding the objections raised on the collection of DTR costs from aqua consumers, there is a complaint handling mechanism in DISCOMS and a grievance mechanism in the name of CGRF and Vidyuth Ombudsman if the DISCOMS do not address the grievances through the complaint handling mechanism. As per the submissions of the objectors, one of the consumers has already received a favourable Order from CGRF. when that is the fact, all other Consumers are also free to approach the CGRF for their grievances if they are not resolved by the DISCOM through the normal complaint-handling procedure.
203. As regards True up claims and FPPCA, the Commission repeatedly expressed its opinion on the legality of such claims in various orders. They have been in existence in one form or the other in the system for many years. There is a formidable legal sanction both under the Electricity Act and also through the Regulations of the Commission. It is a matter of consternation that even the knowledgeable persons appearing as objectors are objecting to recovery of these charges. These objections are therefore devoid of any merit and are accordingly rejected as frivolous.

204. As regards the FPPCA petitions for FY2022-23, FPPCA applications for FY2022-23 submitted by DISCOMS were examined by the Commission's office. As vital information on certain aspects was required, the DISCOMS were asked to submit such information. In response, the DISCOMS furnished the information sought by the Commission only on 29.01.2024 through email. Meanwhile, the entire Commission has been engaged in the work of finalising retail supply tariffs, MYTs relating to distribution, transmission and generation tariffs. The FPPCA claims are subject to prudent checks and the same need to be finalised after following the due public consultation process. The Commission's office is carrying out the prudent check of filings, and the Commission will pass appropriate Orders in due course after undertaking a public consultation process
205. As regards the suggestion on harmonics billing, as per the Regulation in Vogue, all the consumer's meters shall record total consumption (fundamental energy plus harmonic energy). Hence, the DISCOMS may review their meter specifications and submit the proposals if any are required, on the billing of harmonics in the ARR & FPT filings of the ensuing financial year with due analysis and comparison with other states where such billing is being implemented.
206. The DISCOMS may take note of other service-related issues such as load break switch and respond positively to the Consumer's requests duly complying with relevant regulations and standards if any in this regard.
207. Before closing, the Commission would like to thank all the stakeholders who actively participated in the virtual public hearings and submitted their views/objections/suggestions orally and/or in writing. All the stakeholders were provided an opportunity to participate in the public hearings virtually from the offices of all the Executive Engineers in the State. The Commission through virtual mode could hold wider consultations with the consumers from the nuke and cranny of the State and gather their valuable views instead of holding public hearings through physical mode at a few places in the State.

Sd/-
P.V.R. Reddy
Member

Sd/-
Justice C.V. Nagarjuna Reddy
Chairman

Sd/-
Thakur Rama Singh
Member

Annexure-01

Public Notice of ARR & FPT and Hearing Schedule for FY 2024-25 in English

BEFORE THE HONOURABLE ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION (APERC)

D.No. 11-4-660, 4th Floor, Singareni Bhavan, Red Hills, Hyderabad- 500 004.

SOUTHERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED (APSPDCL)

PUBLIC NOTICE

1. Notice is hereby given to all that the Distribution Licensee viz., Southern Power Distribution Company of A.P. Limited (APSPDCL) holding a Distribution and Retail Supply License No. 15/2000, has filed before the Andhra Pradesh Electricity Regulatory Commission (APERC) on 30-11-2023, the Aggregate Revenue Requirement (ARR), Tariff and Cross Subsidy (CSS) proposals for its Retail Supply Business for the FY 2024-25 and the ARR & tariff for the Distribution Business for the 5th Control Period (FY2024-25 to FY2028-29). The filings for the Retail Supply Business for FY2024-25 and the Distribution Business for the 5th Control Period have been taken on the record by the Hon'ble Commission in O.P.No. 71 of 2023 and O.P.No. 74 of 2023 respectively.
2. Copies of the filings are available in the Office of Chief General Manager, RAC & IPC, Southern Power Distribution Company with head quarters at 19-13-65/A, Viduyt Nilayam, Srinivasapuram, Tirupathi - 517503 and the Superintending Engineer, Operation circle of the Distribution Company at Nellore, Tirupathi, Kadapa, Ananthapur and Kurnool. Interested persons may inspect/peruse the said filings and take note thereof during office hours at any of the said offices free of charge. These filings are also available on www.apspdcl.in and the same may also be accessed at www.aperc.gov.in A copy of each of these filings, can be obtained from the above offices from the date of publication of this notice on payment of Rs. 100/- (by way of cash in person/D.D. drawn in favour of Accounts Officer/CPR/APSPDCL/Tirupati). Also a summary of each of these filings in English or Telugu can be obtained on payment of Rs. 10/- per copy (by way of cash in person/D.D. drawn in favour of the Accounts Officer/CPR/APSPDCL/Tirupati).
3. The views/objections/suggestions if any, on these filings, together with supporting material may be sent to the Chief General Manager, RAC & IPC of the Southern Power Distribution Company's head quarters at 19-13-65/A, Viduyt Nilayam, Srinivasapuram, Tirupathi - 517503 in person or through E-Mail / Registered Post to reach the above offices on or before 5 PM of 08-01-2024. A copy of the same shall also be sent to the Commission Secretary, APERC through E-Mail or by post to the address mentioned in the heading. The views/Objections/suggestions should 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 organisation or entity they shall indicate the name of the organisation 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 APSPDCL (Licensee Name, to be filled by Objector)	Whether a copy of objections & proof of delivery at the Licensee's office enclosed (Yes/No)	Whether the Objector wants to be heard in person through video conference (Yes/No). If Yes, mention the name of the DE/EE office from where he/she would like to make the submissions in person through video conference
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Note: The Commission may not consider the objections received after the due date.

- 4) The ARR, Proposed Tariffs, and CSS schedule for the Retail Supply Business for FY 2024-25 are given below:

APSPDCL - Summary of ARR For FY 2024 - 25

S. No.	Particulars	Proposal for 2024-25 (Rs.Cr)	S. No.	Particulars	Proposal for 2024-25 (Rs.Cr)
1	Transmission Cost	1,628.16	12	Supply Cost (7+8+9+10+11)	16,005.86
2	SLDC Cost	35.84	13	Aggregate Revenue Requirement (6+12)	22,859.25
3	Distribution Cost	4,490.33	14	Revenue from Current Tariffs (Net of incentives) (Rs. Crs.)	13787.35
4	PGCIL Expenses	697.59	15	Non - Tariff Income (Rs. Crs.)	1388.4
5	ULDC Charges	1.47	16	Revenue Deficit(-) / Surplus(+) at Current Tariff	-7,683.50
6	Network and SLDC Cost (1+2+3+4+5)	6,853.39	17	Revenue changed through proposed and Full Cost Recovery tariff	7521.03
7	Power Purchase / Procurement Cost	15,094.14	18	Revenue from cross subsidy surcharge & Grid Support Charges and REC	162.46
8	Interest on Consumer Security Deposits	176.66	19	Net Deficit / Surplus	0
9	Supply Margin in Retail Supply Business	40.16			
10	Other Costs, if any	173.79			
11	Additional Interest on pension bonds	521.11			

ANDHRA PRADESH CENTRAL POWER DISTRIBUTION CORPORATION LIMITED (APCPDCL)

PUBLIC NOTICE

1. Notice is hereby given to all that the Distribution Licensee viz., Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL) holding a Distribution and Retail Supply License No. 1/2020, has filed before the Andhra Pradesh Electricity Regulatory Commission (APERC) on 30-11-2023, the Aggregate Revenue Requirement (ARR), Tariff and Cross Subsidy (CSS) proposals for its Retail Supply Business for the FY 2024-25 and the ARR & tariff for the Distribution Business for the 5th Control Period (FY2024-25 to FY2028-29). The filings for the Retail Supply Business for FY2024-25 and the Distribution Business for the 5th Control Period have been taken on the record by the Hon'ble Commission in O.P.No. 72 of 2023 and O.P.No. 75 of 2023 respectively.
2. Copies of the filings are available in the Office of Chief General Manger (RAC), Andhra Pradesh Central Power Distribution Corporation Limited headquarters at Beside Govt. Polytechnic college, ITI Road, Vijayawada-520 008 and the superintending Engineer, operation circle of the Distribution Company at Vijayawada, CRDA, Guntur and Ongole. Interested persons may inspect/peruse the said filings and take note thereof during office hours at any of the said offices free of charge. These filings are also available on www.apcpdcl.in and the same may also be accessed at www.aperc.gov.in A copy of each of these filings, can be obtained from the above offices from the date of publication of this notice on payment of Rs. 100/- (by way of cash in person/D.D. drawn in favour of Accounts Officer/CPR/APCPDCL/Vijayawada). Also a summary of each of these filings in English or Telugu can be obtained on payment of Rs. 10/- per copy (by way of cash in person/D.D. drawn in favour of the Accounts Officer/CPR/APCPDCL/Vijayawada).
3. The views/objections/suggestions if any, on these filings, together with supporting material may be sent to the Chief General Manager (RAC) of the Andhra Pradesh Central Power Distribution Corporation Limited having its headquarters at Beside Govt. Polytechnic college, ITI Road, Vijayawada - 520 008 in person or through E-Mail / Registered Post to reach the above offices on or before 5 PM of 08-01-2024. A copy of the same shall also be sent to the Commission Secretary, APERC through E-Mail or by post to the address mentioned in the heading. The views/Objections/suggestions should 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 organisation or entity they shall indicate the name of the organisation 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 APCPDCL (Licensee Name, to be filled by Objector)	Whether a copy of objections & proof of delivery at the Licensee's office enclosed (Yes/No)	Whether the Objector wants to be heard in person through video conference (Yes/No). If Yes, mention the name of the DE/EE office from where he/she would like to make the submissions in person through video conference
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Note: The Commission may not consider the objections received after the due date.

- 4) The ARR, Proposed Tariffs, and CSS schedule for the Retail Supply Business for FY 2024-25 are given below:

APCPDCL - Summary of ARR For FY 2024 - 25

S. No.	Particulars	Proposal for 2024-25 (Rs.Cr)	S. No.	Particulars	Proposal for 2024-25 (Rs.Cr)
1	Transmission Cost	939.64	12	Supply Cost (7+8+9+10+11)	9,027.11
2	SLDC Cost	20.39	13	Aggregate Revenue Requirement (6+12)	12,551.92
3	Distribution Cost	2161.32	14	Revenue from Current Tariffs (Net of incentives) (Rs. Crs.)	9090.61
4	PGCIL Expenses	402.62	15	Non - Tariff Income (Rs. Crs.)	392.52
5	ULDC Charges	0.85	16	Revenue Deficit(-) / Surplus(+) at Current Tariff	-3,068.79
6	Network and SLDC Cost (1+2+3+4+5)	3524.81	17	Revenue changed through proposed and Full Cost Recovery tariff	3047.26
7	Power Purchase / Procurement Cost	8,459.24	18	Revenue from cross subsidy surcharge & Grid Support Charges and REC	21.53
8	Interest on Consumer Security Deposits	114.27	19	Net Deficit / Surplus	0
9	Supply Margin in Retail Supply Business	23.72			
10	Other Costs, if any	138.18			
11	Additional Interest on pension bonds	291.69			

EASTERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED (APEPDCL)

PUBLIC NOTICE

- 1) Notice is hereby given to all that the Distribution Licensee viz., Eastern Power Distribution Company of A.P. Limited (APEPDCL) holding a Distribution and Retail Supply License No. 12/2000, has filed before the Andhra Pradesh Electricity Regulatory Commission (APERC) on 30-11-2023, the Aggregate Revenue Requirement (ARR), Tariff and Cross Subsidy (CSS) proposals for its Retail Supply Business for the FY 2024-25 and the ARR & tariff for the Distribution Business for the 5th Control Period (FY2024-25 to FY2028-29). The filings for the Retail Supply Business for FY2024-25 and the Distribution Business for the 5th Control Period have been taken on the record by the Hon'ble Commission in O.P.No. 73 of 2023 and O.P.No. 76 of 2023 respectively.
2. Copies of the filings are available in the Office of the Chief General Manager (RA&PP), Eastern Power Distribution Company with head quarters at P&T Colony, Seethammadhara, Visakhapatnam - 530013 and the Superintending Engineer, Operation circle of the Distribution Company at Srikakulam, Vizianagaram, Visakhapatnam, Rajamahendravaram and Eluru Interested persons may inspect/peruse the said filings and take note thereof during office hours at any of the said offices free of charge. These filings are also available on www.apespdpower.com and the same may also be accessed at www.aperc.gov.in A copy of each of these filings, can be obtained from the above offices from the date of publication of this notice on payment of Rs. 100/- (by way of cash in person/D.D. drawn in favour of the Pay Officer/APEPDCL/Visakhapatnam). Also a summary of each of these filings in English or Telugu can be obtained on payment of Rs. 10/- per copy (by way of cash in person/D.D. drawn in favour of the Pay Officer/APEPDCL/Visakhapatnam).
3. The views/objections/suggestions if any, on these filings, together with supporting material may be sent to the Chief General Manager (RA&PP) of the Eastern Power Distribution Company's head quarters at P&T Colony, Seethammadhara, Visakhapatnam -530013 in person or through E-Mail / Registered Post to reach the above offices on or before 5 PM of 08-01-2024. A copy of the same shall also be sent to the Commission Secretary, APERC through E-Mail or by post to the address mentioned in the heading. The views/Objections/suggestions should 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 organisation or entity they shall indicate the name of the organisation 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 APEPDCL (Licensee Name, to be filled by Objector)	Whether a copy of objections & proof of delivery at the Licensee's office enclosed (Yes/No)	Whether the Objector wants to be heard in person through video conference (Yes/No). If Yes, mention the name of the DE/EE office from where he/she would like to make the submissions in person through video conference
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Note: The Commission may not consider the objections received after the due date.

- 4) The ARR, Proposed Tariffs, and CSS schedule for the Retail Supply Business for FY 2024-25 are given below:

APEPDCL - Summary of ARR For FY 2024 - 25

S. No.	Particulars	Proposal for 2024-25 (Rs.Cr)	S. No.	Particulars	Proposal for 2024-25 (Rs.Cr)
1	Transmission Cost	1338.56	12	Supply Cost (7+8+9+10+11)	16302.77
2	SLDC Cost	31.66	13	Aggregate Revenue Requirement (6+12)	21161.86
3	Distribution Cost	2862.77	14	Revenue from Current Tariffs (Net of incentives) (Rs. Crs.)	17331.89
4	PGCIL Expenses	624.8	15	Non - Tariff Income (Rs. Crs.)	432.56
5	ULDC Charges	1.32	16	Revenue Deficit(-) / Surplus(+) at Current Tariff	-3397.41
6	Network and SLDC Cost (1+2+3+4+5)	4859.1	17	Revenue changed through proposed and Full Cost Recovery tariff	3307.7
7	Power Purchase / Procurement Cost	15464.22	18	Revenue from cross subsidy surcharge & Grid Support Charges and REC	89.71
8	Interest on Consumer Security Deposits	195.34	19	Net Deficit / Surplus	0
9	Supply Margin in Retail Supply Business	19.24			
10	Other Costs, if any	90.24			
11	Additional Interest on pension bonds	533.73			

Category	Consumer Category	Proposed Tariff Schedule for FY 2024 - 25							Proposed Cross Subsidy Surcharges for FY 2024-25				Full Cost Recovery Charges (Rs./ Unit)																
		LT SUPPLY			Proposed Full Cost Recovery Charges (Rs./Unit) in pursuant to GO.Rt. 161, Dt 15-11-2021				HT SUPPLY					CSS (Rs./ Unit)															
		Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./ Unit)	Billing Unit	APSPDCL	APSPDCL	APCPDCL	Billing Unit	Fixed / Demand Charges per month (Rs./kVA)	11 kv	33 kv	132 kv		220 kv	APSPDCL	APCPDCL	APSPDCL	APCPDCL											
I	DOMESTIC																												
	(A) : Domestic (Telescopic)																												
	0-30		1.90	3.91	5.49	4.37	kWh																						
	31-75		3.00	4.57	6.49	4.52	kWh																						
	76-125	10	4.50	4.91	6.49	5.83	kWh																						
	126-225		6.00	6.00	6.49	6.67	kWh																						
	226-400		8.75	8.75	8.75	8.75	kWh																						
	>400		9.75	9.75	9.75	9.75	kWh																						
	Consumers whose consumption is more than 500 units per month can opt for smart meters and ToD rebate of Rs. 1 per unit is applicable for such consumers for consumption between 10 AM to 12 Noon.																												
	(B) : Townships, Colonies, Gated Communities and Villas						kVAh		75	7.00	7.00	7.00	7.00																
	II	COMMERCIAL & OTHERS																											
A (i) : Commercial																													
0-50			5.40	5.40	5.40	5.40	kWh/kVAh																						
51-100		75	7.65	7.65	7.65	7.65	kWh/kVAh		475	7.65	6.95	6.70	6.65																
101-300			9.05	9.05	9.05	9.05	kWh/kVAh																						
301-500			9.60	9.60	9.60	9.60	kWh/kVAh																						
Above 500 units			10.15	10.15	10.15	10.15	kWh/kVAh																						
Time of Day tariff (TOD)-Peak (6 PM to 10 PM)							kWh/kVAh			8.65	7.95	7.70	7.65																
(ii) Advertising Hoardings		100	12.25	12.25	12.25	12.25	kWh/kVAh																						
(iii) Function halls / Auditoriums			12.25	12.25	12.25	12.25	kWh/kVAh			12.25	12.25	12.25	12.25																
(B):Startup power			12.25	12.25	12.25	12.25	kWh/kVAh			12.25	12.25	12.25	12.25																
(C):Electric Vehicles/Charging Stations**							kWh/kVAh																						
SPDCL			7.97		7.97					7.97	7.97	7.97	7.97																
EPDCL			6.70		6.70					6.70	6.70	6.70	6.70																
CPDCL			6.70		6.70					6.70	6.70	6.70	6.70																
(D) : Green Power		12.25	12.25	12.25	12.25	kWh/kVAh			12.25	12.25	12.25	12.25																	
III	INDUSTRY																												
	(A) : Industry (General)	75	6.70	6.70	6.70	6.70																							
	Time of Day tariff (TOD) (High Grid Demand) (Feb'25, Mar'25), (Apr- May'24) & (Sep'24-Oct'24)																												
	Peak (06-10) & (18-22)						kWh/kVAh	475	7.80	7.35	6.90	6.85																	
	Off-Peak (10 -15) & (00-06)								5.55	5.10	4.65	4.60																	
	Normal (15-18) & (22-24)								6.30	5.85	5.40	5.35																	
	Time of Day tariff (TOD) (Low Grid Demand) (Jun'24-Aug'24) & (Nov'24-Jan'25)																												
	Peak (06-10) & (18-22)								7.30	6.85	6.40	6.35																	
	Off-Peak (10 -15) & (00-06)								5.55	5.10	4.65	4.60																	
	Normal (15-18) & (22-24)								6.30	5.85	5.40	5.35																	
	Industrial Colonies									7.00	7.00	7.00	7.00																
	(B) : Seasonal Industries (off-season)		7.45	7.45	7.45	7.45	kWh/kVAh	475	7.65	6.95	6.70	6.65																	
	(C) : Energy Intensive Industries	75					kWh/kVAh	475	5.80	5.35	4.95	4.90																	
	(C (b)) : Energy intensive industries for vertically integrated PV solar modules manufacturing under PLI									4.00	4.00	4.00	4.00																
	(D) : Cottage Industries up to 10HP *	20		3.75	3.75	3.75	3.75																						
* - Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018																													
** For Electric Vehicles / Charging stations it is proposed to link the Tariff to the Cost of Service of relevant voltage. No concession for station maintenance																													
IV	INSTITUTIONAL																												
	(A) : Utilities (Street Lighting, NTR Sujala Pathakam, CPWS and PWS)	75	7.00	7.00	7.00	7.00	kWh/kVAh	475	7.65	6.95	6.70	6.65																	
	(B) : General Purpose	75	7.00	7.00	7.00	7.00	kWh/kVAh	475	7.95	7.25	7.00	6.95																	
	(C(i)) : Religious Places <= 2KW	30	3.85	3.85	3.85	3.85	kWh/kVAh	30	5.00	5.00	5.00	5.00																	
	(C(ii)) : Religious Places > 2KW	30	5.00	5.00	5.00	5.00	kVAh	350																					
(D) : Railway Traction									6.50	6.50	6.50	6.50																	
V	AGRICULTURE & RELATED																												
	(A) : Agriculture																												
	(i) Corporate farmers		3.50	7.08	7.97	7.56	kWh																						
	(ii) Non-Corporate farmers			7.34	7.97	7.92																							
	(iii) Salt farming units up to 15 HP		2.50	7.20	7.97	7.56	kWh/kVAh																						
	(iv) Sugarcane crushing			7.33	7.97	8.00																							
	(v) Rural Horticulture Nurseries			7.34	7.97	7.61																							
	(vi) Floriculture in Green House	75	4.50	6.79	7.97	5.73	kWh/kVAh																						
	(B) : Aquaculture and Animal Husbandry	30	3.85	7.00	7.97	7.41	kWh/kVAh	30	3.85	3.85	3.85	3.85																	
	(D) : Agro Based Cottage Industries up to 10 HP	20	3.75	7.10	7.97	7.63	kWh/kVAh																						
	(E) : Government / Private Lift Irrigation Schemes		6.40	6.40	7.97	7.69	kVAh			7.15	7.15	7.15	7.15																
Note:	(i) Temporary Supply: There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.																												
	(ii) Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (i) Commercial																												
	(iii) It is proposed to enhance Green Power Tariff Premium from Rs. 0.75 per Unit to Rs. 1.00 per Unit for all categories of consumers and remove the separate sub-category for Green power																												
	(iv) For HT III C(b) Consumers, for 1st 7 years tariff of Rs. 4 per unit and for next 8 years tariff of Rs.4.50 per unit is proposed, (v) All other terms & Conditions as in tariff schedule in retail sale of electricity for FY 2023-24 Chapter-X are applicable																												
6. 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 given below.																													
29.01.2024 (Monday)																													
10:30 AM to 10:35 AM Opening Remarks by the Commission Secretary																													
10:35 AM to 10:40 AM Presentation by the Hon'ble Chairman, APERC																													
10:40 AM to 11:45 AM Presentation by the DISCOMs & APTRANSCO																													
11:45 AM to 01:00 PM Lunch Break																													
01:00 PM to 02:00 PM Views/objections/suggestions by the Public																													
02:00 PM to 04:30 PM Views/objections/suggestions by the Public																													
30.01.2024 (Tuesday)																													
10:30 AM to 01:00 PM Views/objections/suggestions by the Public																													
01:00 PM to 02:00 PM Lunch Break																													
02:00 PM to 04:30 PM Views/objections/suggestions by the Public																													
31.01.2024 (Wednesday)																													
10:30 AM to 01:00 PM Views/objections/suggestions by the Public																													
01:00 PM to 02:00 PM Lunch Break																													
2:00 PM to 3:00 PM Views/objections/suggestions by the Public																													
03:00 PM to 04:30 PM Replies by the DISCOMs & APTRANSCO																													
Note: 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.																													
Place : Tirupathi Date : 10.12.2023					CHAIRMAN & MANAGING DIRECTOR SOUTHERN POWER DISTRIBUTION COMPANY OF A.P. LTD					Place : Vijayawada Date : 10.12.2023					CHAIRMAN & MANAGING DIRECTOR A.P. CENTRAL POWER DISTRIBUTION CORPORATION LTD					Place : Visakhapatnam Date : 10.12.2023					CHAIRMAN & MANAGING DIRECTOR EASTERN POWER DISTRIBUTION COMPANY OF A.P. LTD				

Full Cost Recovery Tariff for all HT Categories are same as Energy Charges for EPDCL, SPCL & CPDCL

Annexure-02

Public Notice of ARR & FMT and Hearing Schedule for FY 2024-25 in Telugu

గౌరవనీయ ఆంధ్రప్రదేశ్ ఎలక్ట్రిసిటీ రెగ్యులేటరీ కమిషన్ (APERC) వారి సమక్షములో

ఫోన్ నెం.11-4-660, 4వ అంతస్తు, సింగరేణి భవన్, రెడ్డి హిల్స్, హైదరాబాద్-500 004.



ఆంధ్రప్రదేశ్ సెంట్రల్ పవర్ డిస్ట్రిబ్యూషన్ కార్పొరేషన్ లిమిటెడ్

డాక్టర్ వై.ఎస్.ఆర్. విద్యుత్ సౌధ, ప్రభుత్వ పాలిటెక్నిక్ కళాశాల ప్రక్కన, బీజేఆర్ రహదారి, విజయవాడ-520 008

బహిరంగ ప్రకటన

- 1. ఇందుమూలంగా ఏపిఎస్‌పీడియర్ వరల్డలోని యావ్వంబడి తెలియజేయబడిన ఏనుగు ప్రభుత్వ యాజమాన్యంలోని డిస్ట్రిబ్యూషన్ లైన్స్ నెం.12/2020 కలిగి ఉన్న పంబితీ సంస్థ "ఆంధ్రప్రదేశ్ సెంట్రల్ పవర్ డిస్ట్రిబ్యూషన్ కార్పొరేషన్ లిమిటెడ్ (ఏపిఎస్‌పీడియర్)", 2024-25 ఆర్థిక సంవత్సారికి రిజిల్టర్ సరఫరా వ్యాపారమునకు గాను సముగ్గ అదాయ అవకాశం (ఎ.ఆర్.ఆర్). లారీఫ్ మరియు ట్రాన్స్ మిజులీ సరఫరాలో ప్రతిపాదనలను మరియు బిడ్లను నియంత్రించే కార్యక్రమం మొత్తానికి (ఆర్థిక సంవత్సరం 2024-25 మరియు ఆర్థిక సంవత్సరం 2028-29) పంబితీ వ్యాపారమునకు గాను సముగ్గ అదాయ అవకాశం (ఎ.ఆర్.ఆర్) మరియు లారీఫ్ ప్రతిపాదనలను తేదీ:30-11-2023న ఆంధ్రప్రదేశ్ ఎలక్ట్రిసిటీ రెగ్యులేటరీ కమిషన్ (ఏపిఎఆర్ఐసి) వారికి సమర్పించడమైనది. ఈ ప్రతిపాదనలను గౌరవ కమీషను వారిచే ఓ.సి.నెం.72/2023 మరియు ఓ.సి.నెం.73/2023 గా సమారు చేయబడినది.



ఈస్టర్న్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్

బీడికి కాలని, సీతమ్మగూడ, గురుద్వారా కూడలి ప్రక్కన, విశాఖపట్నం-530 013

బహిరంగ ప్రకటన

- 1. ఇందుమూలంగా ఏపిఎస్‌పీడియర్ వరల్డలోని యావ్వంబడి తెలియజేయబడిన ఏనుగు ప్రభుత్వ యాజమాన్యంలోని డిస్ట్రిబ్యూషన్ మరియు రిజిల్టర్ సరఫరా లైన్స్ నెం.12/2020 కలిగి ఉన్న పంబితీ సంస్థ "ఈస్టర్న్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్ (ఏపిఎస్‌పీడియర్)", 2024-25 ఆర్థిక సంవత్సారికి రిజిల్టర్ సరఫరా వ్యాపారమునకు గాను సముగ్గ అదాయ అవకాశం, లారీఫ్ మరియు ట్రాన్స్ మిజులీ సరఫరాలో ప్రతిపాదనలను మరియు బిడ్లను నియంత్రించే కార్యక్రమం మొత్తానికి (ఆర్థిక సంవత్సరం 2024-25 మరియు ఆర్థిక సంవత్సరం 2028-29) పంబితీ వ్యాపారమునకు గాను సముగ్గ అదాయ అవకాశం (ఎ.ఆర్.ఆర్) మరియు లారీఫ్ ప్రతిపాదనలను తేదీ:30-11-2023న ఆంధ్రప్రదేశ్ ఎలక్ట్రిసిటీ రెగ్యులేటరీ కమిషన్ (ఏపిఎఆర్ఐసి) వారికి సమర్పించడమైనది. ఈ ప్రతిపాదనలను గౌరవ కమీషను వారిచే ఓ.సి.నెం.73/2023 మరియు ఓ.సి.నెం.76/2023 గా సమారు చేయబడినది.



సదర్న్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్

19-13-65/ఎ, విద్యుత్ నిలయం, శ్రీనివాసపురం, తిరుపతి-517 503

బహిరంగ ప్రకటన

- 1. ఇందుమూలంగా ఏపిఎస్‌పీడియర్ వరల్డలోని యావ్వంబడి తెలియజేయబడిన ఏనుగు ప్రభుత్వ యాజమాన్యంలోని డిస్ట్రిబ్యూషన్ మరియు రిజిల్టర్ సరఫరా లైన్స్ నెం.15/2020 కలిగి ఉన్న పంబితీ సంస్థ "సదర్న్ పవర్ డిస్ట్రిబ్యూషన్ కంపెనీ ఆఫ్ ఆంధ్రప్రదేశ్ లిమిటెడ్ (ఏపిఎస్‌పీడియర్)", 2024-25 ఆర్థిక సంవత్సారికి రిజిల్టర్ సరఫరా వ్యాపారమునకు గాను సముగ్గ అదాయ అవకాశం, లారీఫ్ మరియు ట్రాన్స్ మిజులీ సరఫరాలో ప్రతిపాదనలను మరియు బిడ్లను నియంత్రించే కార్యక్రమం మొత్తానికి (ఆర్థిక సంవత్సరం 2024-25 మరియు ఆర్థిక సంవత్సరం 2028-29) పంబితీ వ్యాపారమునకు గాను సముగ్గ అదాయ అవకాశం (ఎ.ఆర్.ఆర్) మరియు లారీఫ్ ప్రతిపాదనలను తేదీ:30-11-2023 న ఆంధ్రప్రదేశ్ ఎలక్ట్రిసిటీ రెగ్యులేటరీ కమిషన్ (ఏపిఎఆర్ఐసి) వారికి సమర్పించడమైనది. ఈ ప్రతిపాదనలను గౌరవ కమిషను వారిచే ఓ.సి.నెం.71/2023 మరియు ఓ.సి.నెం.74/2023 గా సమారు చేయబడినది.

అభ్యంతరం లేనిదే... ఏపిఎస్‌పీడియర్ కార్యకర్తల అభ్యంతరం లేనిదే... ఏపిఎస్‌పీడియర్ కార్యకర్తల అభ్యంతరం లేనిదే...

అభ్యంతరం లేనిదే... ఏపిఎస్‌పీడియర్ కార్యకర్తల అభ్యంతరం లేనిదే... ఏపిఎస్‌పీడియర్ కార్యకర్తల అభ్యంతరం లేనిదే...

అభ్యంతరం లేనిదే... ఏపిఎస్‌పీడియర్ కార్యకర్తల అభ్యంతరం లేనిదే... ఏపిఎస్‌పీడియర్ కార్యకర్తల అభ్యంతరం లేనిదే...

గమనిక: దేశీయ కరెన్సీలకు సమర్పించిన అభ్యంతరములను గౌరవ కమీషను వారిచే పరిగణించబడతాయి.

గమనిక: దేశీయ కరెన్సీలకు సమర్పించిన అభ్యంతరములను గౌరవ కమీషను వారిచే పరిగణించబడతాయి.

గమనిక: దేశీయ కరెన్సీలకు సమర్పించిన అభ్యంతరములను గౌరవ కమీషను వారిచే పరిగణించబడతాయి.

Table with 2 columns: 2024-25 (రూ. కోట్లు) and 2024-25 (రూ. కోట్లు). Rows include various energy and financial metrics.

Table with 2 columns: 2024-25 (రూ. కోట్లు) and 2024-25 (రూ. కోట్లు). Rows include various energy and financial metrics.

Table with 2 columns: 2024-25 (రూ. కోట్లు) and 2024-25 (రూ. కోట్లు). Rows include various energy and financial metrics.

ఆర్థిక సంవత్సరం 2024-25 నకు రివైల్డ్ సరఫరా వ్యాపారం కొరకు ప్రతిపాదించిన టారిఫ్ షెడ్యూలు దినప తెలుపబడినది

క్ర.సం.	వివరాలు	ఒక డి సరఫరా					రెండు డి సరఫరా				కే.ఓ.ఆర్.సెం.161, తేది:15-11-2021 ప్రకారం ప్రతిపాదించిన ఫుల్ క్యాప్ రికవరీ వార్షిక యా./యానిటి						
		స్ట్రోమ్/డిమాండ్ సెలెక్షన్ (యా./వా.కి లేదా కొంత భాగం వారు)		ఎనర్జీ వార్షిక యా./యానిటి			ఎనర్జీ వార్షిక యా./యానిటి			మొత్తం యూనిట్							
		యా.	వా.	యా.	వా.	యా.	యా.	యా.	యా.								
I	గృహ వినియోగం																
	0-30																
	31-75	1.90	4.37	3.91	5.49												
	76-125	3.00	4.52	4.57	6.49												
	126-225	4.50	5.83	4.91	6.49												
226-400	6.00	6.07	6.00	6.49													
>400	9.75	9.75	9.75	9.75													
ఆ విధానంలో 500 యూనిట్ల పైట ఉంటే వినియోగం పైట వినియోగంగా మారుతుంది మరియు అన్ని వినియోగదారులకు ఉ.గం. 10.00 సం.డి. మ.గం. 12.00 మధ్య వినియోగదారులకు యూనిట్ ఉక్తి రేటు 1/౨% తగ్గించబడుతుంది.																	
	బి) టార్జెట్ ప్రెజర్లు, కాటెగిరీలు, గేజిట్ కమ్యూనికేషన్ల మరియు ఏర్పాట్లు										kVAh	75	7.00	7.00	7.00	7.00	
II	వార్షికీకృత మరియు ఇతరములు																
	ఎ) (I) : వార్షికీకృతము																
	0-50	5.40	5.40	5.40	5.40												
	51-100	7.65	7.65	7.65	7.65												
	101-300	9.05	9.05	9.05	9.05												
	301-500	9.60	9.60	9.60	9.60												
	500- యూనిట్ల పైటలు																
	వీటికి అన్ని కేటగిరీలు (జి.టి.ఎం. - వీటి యా. 6.00 మరియు యా. 10.00 వరకు)																
	(ii) ప్రాథమిక ప్యాకేజీలు																
	(iii) వార్షికీకృత వార్షిక / అడిటోరియంలు																
బి) వార్షికీకృతము																	
సి) విద్యుత్ వారీకాలాలు (వసతి) / ట్రాన్సిమిట్ స్టేషన్లు *																	
డి) స్ట్రీట్ లైటింగ్																	
ఇ) స్ట్రీట్ లైటింగ్																	
జి) స్ట్రీట్ లైటింగ్																	
డి) స్ట్రీట్ లైటింగ్																	
* ఎలక్ట్రిక్ వాహనాలు / ట్రాన్సిమిట్ స్టేషన్లు I (ii) టారిఫ్లను సబంధిత వార్షికీకృత యొక్క సర్టిఫైడ్ ఫర్మాకు లింక్ చేయాలని ప్రతిపాదించబడుతుంది. స్టేషన్ సర్టిఫైడ్ లోని రాయితీ లేదు.																	
III	వర్షం (యె): వర్షం (యె)	75	7.00	6.70	6.70	6.70	6.70										
	వీటికి అన్ని కేటగిరీలు (జి.టి.ఎం. అంటే గ్రీడ్ డిమాండ్) (విజ్ఞానం '25, మార్చి '25), (రివైల్డ్ '24 - మే '24) & (విజ్ఞానం '24 - ఆగస్ట్ '24)																
	జి.టి.ఎం. (06-10) & (18-22)																
	అఫ్-పీక్ (06-10) & (20-24)																
	సాధారణం (15-18) & (22-24)																
	వీటికి అన్ని కేటగిరీలు (జి.టి.ఎం. అంటే గ్రీడ్ డిమాండ్) (జూన్ '24 - అగస్ట్ '24) & (సెప్టెంబర్ '24 - అక్టోబర్ '24)																
	జి.టి.ఎం. (06-10) & (18-22)																
	అఫ్-పీక్ (06-10) & (20-24)																
	సాధారణం (15-18) & (22-24)																
	వర్షం (యె): వార్షికీకృతములు (అఫ్-పీక్)	75	7.45	7.45	7.45	7.45											
	(యె): వార్షికీకృతములు (అఫ్-పీక్)																
	(యె): వార్షికీకృతములు (అఫ్-పీక్)																
	(యె): వార్షికీకృతములు (అఫ్-పీక్)																
	(యె): వార్షికీకృతములు (అఫ్-పీక్)																
	** గవర్నమెంట్ వారి చేసిన ఉత్తర్వులు సూచించే జి.ఓ. ఆర్.టి.సెం. 75, తేది. 27-06-2018 ప్రకారం ట్రాన్సిమిట్ ఫోర్మ్ ఫర్మ్లకు ఉచిత విద్యుత్ సరఫరాను విజ్ఞానం																
IV	వర్షం (యె): వర్షం (యె)	75	7.00	7.00	7.00	7.00	7.00										
	(యె): వర్షం (యె)																
	(యె): వర్షం (యె)																
	(యె): వర్షం (యె)																
	(యె): వర్షం (యె)																
	(యె): వర్షం (యె)																
	(యె): వర్షం (యె)																
	(యె): వర్షం (యె)																
	(యె): వర్షం (యె)																
	(యె): వర్షం (యె)																
V	వర్షం (యె): వర్షం (యె)																
	(i) వార్షికీకృతములు																
	(ii) వార్షికీకృతములు (అఫ్-పీక్)																
	(iii) వార్షికీకృతములు (అఫ్-పీక్)																
	(iv) వార్షికీకృతములు (అఫ్-పీక్)																
	(v) వార్షికీకృతములు (అఫ్-పీక్)																
	(vi) వార్షికీకృతములు (అఫ్-పీక్)																
	(vii) వార్షికీకృతములు (అఫ్-పీక్)																
	(viii) వార్షికీకృతములు (అఫ్-పీక్)																
	(ix) వార్షికీకృతములు (అఫ్-పీక్)																

జి.టి.ఎం. అంటే గ్రీడ్ డిమాండ్ (విజ్ఞానం '25, మార్చి '25), (రివైల్డ్ '24 - మే '24) & (విజ్ఞానం '24 - ఆగస్ట్ '24)

6. ఐదవ దినం ప్రకారం కార్యక్రమం అందరికీ అసెంబ్లీ ఆఫ్ సెంట్రల్ గవర్నమెంట్ 2024-25 నుండి 2028-29 వరకు పనికి వచ్చేలాగా కేటగిరీలు వేరీఫై చేయబడినవి			7. ఐదవ దినం ప్రకారం కార్యక్రమం అందరికీ అసెంబ్లీ ఆఫ్ సెంట్రల్ గవర్నమెంట్ 2024-25 నుండి 2028-29 వరకు పనికి వచ్చేలాగా కేటగిరీలు వేరీఫై చేయబడినవి			
క్ర.సం.	వివరాలు	2024-25	2025-26	2026-27	2027-28	2028-29
1	జి.టి.ఎం. (యె)	261.92	254.61	3262.68	4184.98	4946.42
2	జి.టి.ఎం. (యె)	83.02	98.96	130.68	172.08	199.53
3	జి.టి.ఎం. (యె)	68.51	762.41	920.11	1101.45	1230.81
4	జి.టి.ఎం. (యె)	846.40	950.87	1165.04	1426.30	1608.03
5	జి.టి.ఎం. (యె)	0.12	0.14	0.18	0.24	0.28
6	జి.టి.ఎం. (యె)	0.96	1.06	1.28	1.53	1.71
7	జి.టి.ఎం. (యె)	1.18	1.32	1.62	1.98	2.23
8	జి.టి.ఎం. (యె)	3.11%	3.10%	3.10%	3.09%	3.08%
9	జి.టి.ఎం. (యె)	3.16%	3.15%	3.15%	3.14%	3.13%
10	జి.టి.ఎం. (యె)	3.73%	3.72%	3.71%	3.70%	3.69%
11	జి.టి.ఎం. (యె)	3254.19	1941.66	1251.29	1375.62	1496.24

జి.టి.ఎం. అంటే గ్రీడ్ డిమాండ్ (విజ్ఞానం '25, మార్చి '25), (రివైల్డ్ '24 - మే '24) & (విజ్ఞానం '24 - ఆగస్ట్ '24)

6. రెవెన్యూ వార్షిక ప్రాజెక్టులలోని అందుకు భాగస్వామిలకు అనుకూల కేటగిరీల కోసం టార్జెట్ ప్రెజర్లు వేరీఫై చేయబడినవి. ఆ టార్జెట్ ప్రెజర్లు సమగ్రంగా వేరీఫై చేయబడినవి మరియు టార్జెట్ ప్రెజర్లు సమగ్రంగా వేరీఫై చేయబడినవి. ఆ వివరాలు 29-01-2024, 30-01-2024 మరియు 31-01-2024 తేదీలలో సూచించబడినవి. ఆ వివరాలకు 10:00 వరకు మరియు 2:00 వరకు సూచించబడినవి.

7. విద్యుత్ వినియోగ ప్రాజెక్టులలోని అందుకు భాగస్వామిలకు అనుకూల కేటగిరీల కోసం టార్జెట్ ప్రెజర్లు వేరీఫై చేయబడినవి. ఆ టార్జెట్ ప్రెజర్లు సమగ్రంగా వేరీఫై చేయబడినవి మరియు టార్జెట్ ప్రెజర్లు సమగ్రంగా వేరీఫై చేయబడినవి. ఆ వివరాలు 29-01-2024, 30-01-2024 మరియు 31-01-2024 తేదీలలో సూచించబడినవి. ఆ వివరాలకు 10:00 వరకు మరియు 2:00 వరకు సూచించబడినవి.

జి.టి.ఎం. అంటే గ్రీడ్ డిమాండ్ (విజ్ఞానం '25, మార్చి '25), (రివైల్డ్ '24 - మే '24) & (విజ్ఞానం '24 - ఆగస్ట్ '24)

ANNEXURE – 03
LIST OF OBJECTORS

S. NO	Name of the Objector	
1	Sri M Venugopala Rao, Senior Journalist & Convener, Sri M Venugopala Rao, Senior Journalist & Convener, Centre for Power Studies, H.No.1-100/MP/101, Monarch Prestige, Journalists' Colony, Serilingampally Mandal , Hyderabad - 500 032.	These Objectors have submitted separate but identical views, They are referred to as Sri M. Venugopala Rao & Several Others”
2	Sri Ch Baburao, CPI(M) State Secretariat Member AP Committee, H.No.27-30-9, Akulavari Street, Governorpeta, Vijayawada - 520 002	
3	Sri Kandharapu Murali, CPI(M) District Secretariat Member, Tirupati Dist. Member, 18-1-90/9/12/H-12, MB Bhavan, Yosoda Nagar, Tirupati - 517501	
4	Federation of AP Chamber of Commerce and Industry (FAPCCI)	These Objectors have submitted separate but identical views, They are referred to as FAPCCI & Others”
5	Sri I.Gopinath, Chief Executive Officer, South Indian Cement Manufactures' Association (SICMA), 3rd floor, 36th Square, Plot No.481, Road No.36, Jubilee Hills, Hyderabad - 500034	
6	Sri A Punna Rao, Chartered Engineer, Flat No.322, Srinivasam, Senior Citizen Retirement Home, Chinasatupalli - 521101, Gannavaram, Krishna Dist.	
7	Sri V Srinivas Rao, State Secretary, Communist Party of India (MARXIST) AP, H.No. 27-30-9, CPI(M) State Committee Office, Akulavari Street, Governor Pet, Vijayawada -2.	
8	Sri Meesala Basavapunnaiah, President, AP State Hire Working (Non-Trading) Rice Millers Association, Repalle - 522 265	
9	M. Thimma Reddy, Convenor, People's Monitoring Group on Electricity Regulation, H. No. 3-4-107/1, (Plot No. 39), Radha Krishna Nagar, Attapur, Hyderabad – 500 048	
10	Sri P Narendranath Chowdary, CMD, The Andhra Sugars Limited, Chemicals & Fertilisers Division, Kovvur - 534350	
11	Sri C V Mohan Rao, Repalle Pattanabhivrudhi Sangham, Repalle - 522265	
12	Sri Srinivasa Rao Gandham, Advisor, Consortium of Indian Farmers Associations	
13	Sri K. Munaswamy Naidu, S/o.Venkatappa Naidu, Kundetivari palle, Pakala (Post & Mandal), Tirupati-517112	

S. NO	Name of the Objector
14	K Guruswamy Naidu, 2-33/1 Upstairs, Surinenipalli, Pakala Mandal - 517112, Tirupati
15	Federation of Farmers Associations, 1-191, Railway Wagon Works shop Road, Guntupalli-521241, Ibrahimpatnam Mandal, Krishna Dist.
16	Sri U M Kumar, Secretary, AP Textile Mills Association, 2nd Floor, Manoharam Skin Clinic, 4/2, Lakshmipuram, Guntur-522007
17	Sri P Hari Babu, Jeelavari Kandriga, NR Kandriga(post), Karvetinagarm(Mandal), Chittoor - 517582
18	Sri P Lokanadham, S/o P Subrahmanyam, Jeelavari Kandriga, NR Kandriga(post), Karvetinagarm(Mandal), Chittoor - 517582
19	Sri Syed Parvez, 5-39/2, Bazar Street, Karveti Nagar (Post & Mandal) - 517582, Chittoor Dt.
20	Sri P.S.Sampath, Sampath Street, Karveti Nagar (post) & (Mandal) - 517582, Chittoor Dt.
21	Sri T.Tara Singh, East Street, Karveti Nagar (Post & Mandal) - 517582, Chittoor Dt.
22	Sri S.M.Tameezuddin, Matya Vilasam Street, Karveti Nagar (Post & Mandal) - 517582, Chittoor Dt.
23	Sri N.Kesava Raju, Kesava Kuppam, N.R Kandriga (Post), Karveti Nagar (Mandal) - 517582, Chittoor Dt.
24	Sri N.Lakshman Raju, Marrimanu Indlu, N.R. Kandriga (Post), Karveti Nagar (Mandal)- 517582, Chittoor Dt.
25	Sri Sanjay Suraneni, Advocate, M/s. Bharti Airtel Limited
26	M/s AP Ferro Alloys Producers' Association, Flat No.FF6, Gitanjali Apartments, Tickle Road, Mogalrajpuram, Vijayawada - 520010
27	Sri Rasamsetty Raja Babu (Raja), S/o Krishan, Pathipadu
28	Sri K Hari Kishore Kumar Reddy, S/o Ramakrishna Reddy, Paturu(Post), Kovur (Mandal), SOSR Nellore Dist - 524137
29	Sri K V Mukunda Reddy, President, A P Poultry Federation, 8-103A, Enikepadu- 521106, Vijayawada Rural, Krishna Dist
30	Sri Sidhartha Das, Vice President-Commercial, Hinduja National Power Corporation Limited, Palavalsa Village, T.Devada Post, Steel Plant (sub office), Pedagantyada Mandal, Visakhapatnam - 530031

S. NO	Name of the Objector
31	Sri Jalagam Kumara Swamy, Bharatiya Kisansangh
32	Sri S Pratap, General Secretary, APSEBAEAA, Vijayawada
33	Sri Akula Hari Babu, Lingam Parthi (Post), Aleswaram – 533429
34	Sri B Tulasidas, C Block, Amarvathi Icon, Thadepalli – 522501
35	B.Raja Sekhar, General Secretary, AP Chambers of Commerce and Industries Federation, 40-1-114, 3rd Floor, Corporate Building Hotel Fortune Murali Junction, MG Road, Vijayawada – 520010
36	Sri Kumara Swamy K, DGM, M/s. Amara Raja Batteries Limited, Karakambadi, Tirupati - 517520
37	Smt D Janaki Pavani Lakshmi, D/o Chanti Babu, Burangapudi
38	Sri Paidikondala Shivaji, Bharatiya kisan Sangh, Eluru
39	Sri Kouluri Pathi Raju, S/o, Satyanarayana, Ketavaram (P), Jangareddygudem (M), Eluru
40	Sri Yallapu Suryanarayana, S/o.Veera Swamy, Chinampeta, Siripuram(P), Prathipadu, Kakinada - 53342
41	Sri P Vijaya Gopal Reddy, Chairman, Manishreni Ferroalloys Pvt Ltd, Sy No.1302 to 1305, Thurupupalli Village, Anantarajupeta (P), Railway Koduru(M), Kadapa
42	Sri Medasani Vijayabaskar, Bharatiya Kisansangh, Uyyuru Jamindar street, beside Raj Uvaraj theater, Gandhi Nagar, Vijayawada – 520003
43	Abhijeet Ferro Tech Limited, Plot No. 50 & 51, APSEZ, Atchuthapuram, Visakhapatnam – 531011
44	The Managing Director, Bandaru Engineers Pvt Ltd, Somajiguda, Hyderabad – 82
45	Sri G Viva Prasad, Ananthapuram
46	Sri P Baba Fakruddhin, Ananthapur
47	Sri Y Ramesh Reddy, Pulivendula
48	Sri Deepak Patel, M/s Berry Alloys, M/s MERCADAS, New Delhi.
49	Sri MK Raghuram, Secretary, DGM(F), Jocil, Guntur

S. NO	Name of the Objector
50	Sri Srinivasa Sago Factory, G Kothuru, G Medapadu, E Godavari
51	Sri Noothaladhati Appalakonda, Social Worker Samarlakota, Kakinada
52	M/s Grasim industries ltd, Balabram, Bicavolu, E.Godavari
53	Sri Kobburi Thrinadha Reddy, Vice President, Rastra YSRCP Rythu Vibhagam, Ramachandrapuram.
54	Director, Sai Achyuth Energy Pvt Ltd, Jagadurthi, Dhone, Kurnoor.
55	Director, Sumeru Energy Pvt Ltd, Jagadurthi, Dhone, Kurnool.
56	Sri KV Umamaheswara Rao, Gavarpalem, Anakapalle
57	Sri M Jaggunaidu, Secretary, CPI(M), Visakha Dist Committee.
58	Sri Avinash Putta, General Manager, liquinox Gases Pvt Ltd, Srikakulam.
59	Sri Palakurthi Sathi Babu, Jilla Rythu Sangham President.
60	Sri Ganta Sreeram, Secretary, Bharat Communist Party, Anakapalle.
61	Sri Gokavarapu Sreenu, Bhimavaram
62	Sri Subrahmaneswara Rao, Gudivada.
63	Sri RCP Reddy, Gidivada
64	Sri PVS Gopala Krishnam Raju, Consumes Association, Yendagam, Bheemavaram.
65	Sri JT Rama Rao
66	Sri J Raghava Rao, Macharla
67	Sri k Lokanadham, Anakapalle
68	Sri L Govinda Rao, National Secretary, Viniyogadarula Rakshana Forum, Vizianagaram.
69	Sri Peela SambaSiva Rao, Eluru.

ANNEXURE – 04 (A)

FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY 2024-25 – APSPDCL

S. No	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
Aggenco-Thermal														
1	Dr. NTPPS	258.25	248.07	241.34	252.56	281.26	253.47	249.48	248.16	256.57	282.16	256.63	278.75	3106.70
2	Dr. NTPPS-IV	104.17	100.06	97.35	101.88	113.45	102.24	100.63	100.10	68.42	113.81	103.51	112.44	1218.07
3	Dr. NTPPS-V	169.82	163.13	158.71	166.09	184.96	166.68	164.06	163.19	103.41	185.55	168.76	183.30	1977.64
4	RTPP Stage-I	59.18	56.85	55.31	57.88	64.46	58.09	57.17	56.87	58.80	64.66	58.81	63.88	711.95
5	RTPP Stage-II	64.56	62.02	60.34	63.14	70.32	63.37	62.37	62.04	64.14	70.54	64.16	69.69	776.67
6	RTPP Stage-III	32.28	31.01	30.17	31.57	30.09	31.68	31.19	31.02	32.07	35.27	32.08	34.84	383.27
7	RTPP Stage-IV	103.48	99.41	96.71	101.21	112.71	101.57	0.00	99.44	102.81	113.07	102.84	111.70	1144.95
	AP Genco-Thermal Total	791.74	760.55	739.92	774.32	857.24	777.10	664.91	760.81	686.23	865.06	786.78	854.60	9319.25
AP Genco - Hydel														
8	Srisaillam RCPH	7.82	1.09	0.73	8.14	103.03	87.50	82.62	30.81	11.65	17.78	22.90	15.52	389.60
9	NSRCPH	0.39	0.00	0.00	0.74	4.12	9.21	8.41	8.64	6.77	5.79	3.33	2.04	49.44
10	NSTPDC PH	0.39	0.36	0.37	1.11	3.71	5.76	6.21	5.26	2.63	1.24	1.25	1.63	29.93
11	Upper Sileru	18.38	11.63	9.14	11.10	14.42	13.43	14.26	14.28	13.16	19.02	21.23	26.14	186.19
12	Lower Sileru	36.36	24.72	20.83	33.31	38.74	35.31	35.83	32.31	34.35	39.69	42.46	46.15	420.07
13	Donkarayi	2.74	2.18	1.83	2.96	2.88	3.45	4.02	3.38	3.38	3.31	3.75	3.68	37.56
14	PABM	0.00	0.00	0.00	0.00	0.26	0.39	0.62	0.44	0.40	0.19	0.11	0.10	2.51
15	Mini Hydel (Chettipet)	0.05	0.00	0.02	0.14	0.12	0.13	0.03	0.02	0.11	0.16	0.12	0.15	1.04
	APGenco Hydel Total	66.13	39.98	32.91	57.50	167.29	155.18	151.99	95.15	72.45	87.18	95.15	95.42	1116.34
Inter State - Hydel														
16	Machkund AP Share	10.17	10.18	9.32	10.55	12.78	9.21	9.14	9.02	9.59	11.16	10.62	10.21	121.93
17	TB Dam AP Share	1.17	0.00	0.00	1.48	8.24	7.68	7.31	6.76	4.51	4.96	4.16	3.68	49.96

S. No	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
	Inter State - Hydel Total	11.34	10.18	9.32	12.03	21.02	16.89	16.45	15.78	14.10	16.12	14.78	13.89	171.89
	APGENCO-TOTAL	869.21	810.71	782.15	843.85	1045.55	949.16	833.35	871.74	772.78	968.36	896.71	963.90	10607.48
	CG Stations													
18	NTPC(SR) Ramagundam I & II	72.94	65.19	68.38	71.56	79.69	71.82	70.69	70.31	64.39	68.15	69.49	79.18	851.79
19	NTPC(SR) Simhadri Stage-I	116.23	111.65	108.63	113.68	126.59	114.08	112.29	72.60	98.72	127.00	115.50	125.46	1342.43
20	NTPC(SR) Simhadri Stage-II	54.59	52.44	37.41	28.42	59.46	53.58	52.74	52.46	54.24	59.65	54.25	58.93	618.18
21	NTPC(SR) Talcher Stage-II	45.32	43.54	42.36	44.33	49.36	44.48	43.79	32.66	38.13	37.14	45.04	48.92	515.07
22	NTPC(SR) Ramagundam III	18.62	17.88	17.40	5.87	14.39	18.27	17.99	17.89	18.50	20.34	18.50	20.10	205.76
23	NTPC Kudgi Stage-I	56.45	54.23	35.17	52.24	61.48	55.41	54.54	50.63	38.60	61.68	56.10	60.93	637.46
24	NTECL Valluru	22.14	21.27	16.09	15.83	24.11	21.73	21.39	21.27	17.27	17.17	22.00	23.90	244.17
25	NLC Stage-I	10.66	11.44	11.13	8.21	12.97	7.92	6.53	9.18	11.45	13.01	10.59	11.49	124.59
26	NLC Stage-II	19.51	20.95	15.72	21.33	18.49	21.40	20.39	18.35	16.16	17.87	19.04	21.06	230.27
27	NPC(MAPS)	3.08	2.97	2.88	3.02	3.36	1.90	2.98	2.96	3.07	3.38	3.06	3.33	35.98
28	NPC(KAIGA unit I,II,III,IV)	25.15	24.22	23.50	24.66	27.46	18.89	16.78	12.08	17.04	21.08	19.17	20.82	250.85
29	NTPL(NLC TamilNadu)	29.86	18.52	17.20	25.92	32.53	29.31	28.85	28.70	29.67	32.63	29.67	32.24	335.09
30	NLC NNTPS	13.97	6.71	10.02	13.13	13.45	12.06	12.14	12.08	8.44	15.04	13.65	14.85	145.53
31	KKNPP Unit-I	0.30	0.45	0.43	0.45	0.51	0.46	0.45	0.45	0.46	0.51	0.46	0.50	5.43
32	NLC TPS- I Expn.	0.59	0.57	0.28	0.46	0.65	0.58	0.33	0.56	0.57	0.66	0.59	0.65	6.48
33	NLC TPS- II Expn.	0.54	0.27	0.50	0.53	0.30	0.53	0.27	0.52	0.28	0.59	0.54	0.58	5.44
34	NTPC Telangana STPS - I	1.81	1.73	1.69	1.77	1.97	1.77	1.74	1.73	1.79	1.97	1.79	1.95	21.72
35	JNNSM Ph-1 Thermal	9.90	9.31	7.77	8.34	10.56	9.73	9.58	9.04	8.22	10.05	9.72	10.71	112.93
	CGS TOTAL	501.67	463.34	416.55	439.74	537.34	483.92	473.47	413.47	427.00	507.91	489.16	535.60	5689.16
	NCE													
36	NCE- Others	8.21	6.54	6.85	8.07	1.83	1.68	10.22	8.24	9.17	10.39	8.77	9.03	89.01
37	NCE Solar	175.45	160.91	146.85	114.61	150.16	142.02	132.10	120.49	135.41	187.15	177.69	180.37	1823.21

S. No	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
38	NCE WIND	134.55	183.43	419.56	607.34	404.06	320.86	65.66	91.66	92.52	97.77	107.12	107.05	2631.59
39	JNNSM PH 1 SOLAR	1.28	2.57	1.06	0.89	0.99	1.04	1.98	1.05	0.19	0.90	1.95	3.30	17.20
40	JNNSM PH 2 SOLAR	68.15	101.80	106.69	74.37	58.30	87.28	73.23	83.93	79.38	97.51	116.51	110.91	1058.05
41	SECI 3000 MW APRAPL	0.00	0.00	0.00	0.00	0.00	0.00	203.99	202.90	209.78	230.70	217.32	227.91	1292.61
	NCE TOTAL	387.64	455.25	681.01	805.28	615.34	552.89	487.17	508.27	526.45	624.42	629.35	638.58	6911.67
	Others													
42	APPDCL Stage-I	231.65	222.52	216.48	226.55	252.29	227.36	223.79	203.47	230.14	253.10	230.19	250.04	2767.59
43	APPDCL Stage-II	116.75	112.15	109.11	114.18	113.85	114.59	112.79	112.19	116.00	127.56	116.02	126.02	1391.23
44	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	SEIL P1 (Formerly Thermal Powertech)	64.91	62.35	60.66	63.48	70.69	63.71	62.71	62.37	64.49	70.92	64.50	70.06	780.84
46	SEIL P1 (625MW)	158.36	152.12	148.00	154.88	172.48	155.43	152.99	152.18	157.34	173.03	157.37	170.93	1905.11
47	SEIL P2 (500MW Firm)	140.77	135.22	65.78	137.67	153.31	138.16	135.99	135.27	139.85	153.80	139.88	151.94	1627.65
48	SEIL P2 (125MW Open Cap)	35.19	33.81	16.44	34.42	38.33	34.54	34.00	33.82	34.96	38.45	34.97	37.99	406.91
49	HNPCL	165.58	159.05	154.74	161.93	180.33	162.51	159.96	159.11	164.50	180.91	164.54	178.72	1991.88
	Others TOTAL	913.20	877.23	771.21	893.11	981.29	896.31	882.22	858.40	907.28	997.76	907.48	985.70	10871.21
	GRAND TOTAL	2671.73	2606.53	2650.93	2981.99	3179.52	2882.28	2676.22	2651.88	2633.51	3098.45	2922.69	3123.78	34079.51

ANNEXURE – 04 (B)

FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2024-25 – APCPDCL

S. No.	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
Agenco-Thermal														
1	Dr. NTPPS	146.47	158.70	147.39	147.62	146.34	143.34	145.85	140.21	146.00	143.53	128.24	146.08	1739.74
2	Dr. NTPPS-IV	59.08	64.02	59.45	59.54	59.03	57.82	58.83	56.56	38.93	57.89	51.73	58.92	681.80
3	Dr. NTPPS-V	96.32	104.36	96.92	97.07	96.23	94.26	95.91	92.20	58.84	94.38	84.33	96.06	1106.89
4	RTPP Stage-I	33.57	36.37	33.78	33.83	33.54	32.85	33.42	32.13	33.46	32.89	29.39	33.48	398.69
5	RTPP Stage-II	36.62	39.68	36.85	36.90	36.58	35.83	36.46	35.05	36.50	35.88	32.06	36.52	434.94
6	RTPP Stage-III	18.31	19.84	18.42	18.45	15.65	17.92	18.23	17.53	18.25	17.94	16.03	18.26	214.83
7	RTPP Stage-IV	58.69	63.60	59.06	59.15	58.64	57.44	0.00	56.19	58.50	57.51	51.39	58.54	638.71
	AP Genco-Thermal Total	449.04	486.56	451.88	452.57	446.00	439.45	388.70	429.87	390.48	440.03	393.15	447.87	5215.60
AP Genco - Hydrel														
8	Srisailam RCPH	4.44	0.70	0.45	4.76	53.61	49.48	48.30	17.41	6.63	9.04	11.44	8.13	214.38
9	NSRCPH	0.22	0.00	0.00	0.43	2.14	5.21	4.92	4.88	3.85	2.94	1.66	1.07	27.34
10	NSTPDC PH	0.22	0.23	0.22	0.65	1.93	3.26	3.63	2.97	1.50	0.63	0.62	0.86	16.73
11	Upper Sileru	10.42	7.44	5.58	6.49	7.50	7.60	8.33	8.07	7.49	9.67	10.61	13.70	102.91
12	Lower Sileru	20.62	15.81	12.72	19.47	20.16	19.97	20.94	18.26	19.55	20.19	21.22	24.19	233.09
13	Donkarayi	1.55	1.40	1.12	1.73	1.50	1.95	2.35	1.91	1.93	1.68	1.87	1.93	20.92
14	PABM	0.00	0.00	0.00	0.00	0.13	0.22	0.36	0.25	0.23	0.10	0.06	0.05	1.40
15	Minihydel(Chettipet)	0.03	0.00	0.01	0.08	0.06	0.07	0.01	0.01	0.06	0.08	0.06	0.08	0.57
	Genco Hydrel Total	37.51	25.58	20.10	33.61	87.04	87.75	88.85	53.76	41.23	44.34	47.55	50.01	617.32
Inter State - Hydrel														
16	Machkund AP Share	5.77	6.51	5.69	6.16	6.65	5.21	5.34	5.10	5.46	5.68	5.30	5.35	68.22
17	TB Dam AP Share	0.67	0.00	0.00	0.87	4.29	4.34	4.27	3.82	2.57	2.52	2.08	1.93	27.35

S. No.	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
	Inter State - Hydel - Total	6.43	6.51	5.69	7.03	10.94	9.55	9.62	8.92	8.02	8.20	7.39	7.28	95.57
	APGENCO-TOTAL	492.98	518.65	477.67	493.21	543.98	536.75	487.17	492.54	439.73	492.57	448.08	505.15	5928.49
	CG Stations													
18	NTPC(SR) Ramagundam I & II	41.37	41.71	41.76	41.83	41.46	40.61	41.32	39.73	36.64	34.67	34.72	41.49	477.31
19	NTPC(SR) Simhadri Stage-I	65.92	71.43	66.34	66.44	65.86	64.51	65.64	41.02	56.17	64.60	57.72	65.75	751.41
20	NTPC(SR) Simhadri Stage-II	30.96	33.55	22.85	16.61	30.94	30.30	30.83	29.64	30.86	30.34	27.11	30.88	344.88
21	NTPC(SR) Talcher Stage-II	25.71	27.85	25.87	25.91	25.68	25.16	25.60	18.46	21.70	18.89	22.51	25.64	288.95
22	NTPC(SR) Ramagundam III	10.56	11.44	10.63	3.43	7.49	10.33	10.51	10.11	10.53	10.35	9.25	10.53	115.16
23	NTPC Kudgi Stage-I	32.02	34.69	21.48	30.53	31.99	31.33	31.88	28.61	21.96	31.37	28.03	31.93	355.83
24	NTECL Valluru	12.56	13.61	9.83	9.25	12.55	12.29	12.50	12.02	9.82	8.73	10.99	12.52	136.68
25	NLC Stage-I	6.04	7.32	6.80	4.80	6.75	4.48	3.82	5.18	6.52	6.62	5.29	6.02	69.64
26	NLC Stage-II	11.07	13.40	9.60	12.46	9.62	12.10	11.92	10.37	9.20	9.09	9.52	11.04	129.38
27	NPC(MAPS)	1.74	1.90	1.76	1.77	1.75	1.07	1.74	1.67	1.75	1.72	1.53	1.75	20.14
28	NPC(KAIGA unit I,II,III,IV)	14.26	15.50	14.35	14.41	14.29	10.68	9.81	6.83	9.70	10.72	9.58	10.91	141.04
29	NTPL(NLC TamilNadu)	16.94	11.85	10.50	15.15	16.92	16.57	16.87	16.21	16.88	16.60	14.83	16.89	186.22
30	NLC NNTPS	7.93	4.29	6.12	7.67	7.00	6.82	7.10	6.83	4.80	7.65	6.82	7.78	80.80
31	KKNPP Unit-I	0.17	0.29	0.27	0.27	0.26	0.26	0.26	0.25	0.26	0.26	0.23	0.26	3.04
32	NLC TPS- I Expn.	0.34	0.36	0.17	0.27	0.34	0.33	0.19	0.31	0.33	0.33	0.30	0.34	3.61
33	NLC TPS- II Expn.	0.30	0.17	0.31	0.31	0.16	0.30	0.16	0.29	0.16	0.30	0.27	0.31	3.03
34	NTPC Telangana STPS - I	1.02	1.11	1.03	1.03	1.02	1.00	1.02	0.98	1.02	1.00	0.90	1.02	12.16
35	JNNSM Ph-1 Thermal	5.62	5.96	4.75	4.87	5.49	5.50	5.60	5.11	4.68	5.11	4.85	5.61	63.15
	CGS TOTAL	284.52	296.42	254.40	257.02	279.56	273.66	276.79	233.61	242.97	258.36	244.43	280.69	3182.43

S. No.	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
	NCE													
36	NCE- Others	4.66	4.18	4.18	4.72	0.95	0.95	5.97	4.66	5.22	5.28	4.38	4.73	49.89
37	NCE Solar	99.51	102.94	89.69	66.98	78.13	80.31	77.22	68.08	77.05	95.20	88.79	94.53	1018.43
38	NCE WIND	76.31	117.35	256.23	354.97	210.22	181.45	38.39	51.79	52.64	49.73	53.53	56.10	1498.72
39	JNNSM PH 1 SOLAR	0.73	1.65	0.65	0.52	0.51	0.59	1.16	0.59	0.11	0.46	0.97	1.73	9.66
40	JNNSM PH 2 SOLAR	38.65	65.13	65.16	43.47	30.33	49.36	42.81	47.42	45.17	49.60	58.22	58.12	593.43
41	SECI 3000 MW APRAPL	0.00	0.00	0.00	0.00	0.00	0.00	119.25	114.64	119.37	117.35	108.59	119.44	698.65
	NCE TOTAL	219.85	291.25	415.90	470.66	320.15	312.66	284.80	287.18	299.56	317.62	314.49	334.66	3868.78
	Others													
42	APPDCL Stage-I	131.38	142.36	132.21	132.41	131.26	128.57	130.82	114.97	130.96	128.74	115.03	131.04	1549.75
43	APPDCL Stage-II	66.22	71.75	66.64	66.74	59.24	64.80	65.94	63.39	66.00	64.89	57.98	66.04	779.61
44	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	SEIL P1 (Formerly Thermal Powertech)	36.81	39.89	37.05	37.10	36.78	36.03	36.66	35.24	36.69	36.07	32.23	36.72	437.27
46	SEIL P1 (625MW)	89.82	97.32	90.38	90.52	89.74	87.90	89.44	85.98	89.53	88.01	78.64	89.58	1066.86
47	SEIL P2 (500MW Firm)	79.84	86.51	40.17	80.46	79.77	78.13	79.50	76.43	79.58	78.23	69.90	79.63	908.15
48	SEIL P2 (125MW Open Cap)	19.96	21.63	10.04	20.12	19.94	19.53	19.87	19.11	19.90	19.56	17.48	19.91	227.04
49	HNPCL	93.91	101.75	94.50	94.64	93.82	91.90	93.51	89.90	93.61	92.02	82.22	93.66	1115.45
	Others TOTAL	517.93	561.21	470.99	522.00	510.55	506.86	515.74	485.01	516.27	507.53	453.47	516.57	6084.11
	GRAND TOTAL	1515.29	1667.53	1618.96	1742.88	1654.24	1629.92	1564.49	1498.35	1498.54	1576.08	1460.47	1637.07	19063.82

ANNEXURE – 04 (C)

FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2024-25 – APEPDCL

S. No	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
AP Genco-Thermal														
1	Dr. NTPPS	255.73	275.68	271.71	282.28	254.86	263.64	287.13	272.07	279.89	256.77	231.55	257.63	3188.93
2	Dr. NTPPS-IV	103.15	111.20	109.60	113.86	102.80	106.34	115.82	109.75	74.64	103.57	93.40	103.92	1248.05
3	Dr. NTPPS-V	168.17	181.29	178.67	185.62	167.59	173.37	188.81	178.91	112.81	168.85	152.27	169.41	2025.78
4	RTPP Stage-I	58.60	63.18	62.27	64.69	58.41	60.42	65.80	62.35	64.14	58.84	53.06	59.04	730.80
5	RTPP Stage-II	63.93	68.92	67.93	70.57	63.71	65.91	71.78	68.02	69.97	64.19	57.89	64.41	797.23
6	RTPP Stage-III	31.97	34.46	33.96	35.28	27.26	32.95	35.89	34.01	34.99	32.10	28.94	32.20	394.02
7	RTPP Stage-IV	102.48	110.47	108.88	113.11	102.13	105.65	0.00	109.03	112.16	102.89	92.79	103.24	1162.82
	AP Genco-Thermal Total	784.03	845.20	833.01	865.42	776.76	808.27	765.23	834.14	748.60	787.23	709.90	789.85	9547.64
AP Genco Hydel														
8	Srisailam RCPH	7.74	1.21	0.82	9.10	93.36	91.01	95.08	33.78	12.71	16.18	20.66	14.35	396.02
9	NSRCPH	0.39	0.00	0.00	0.83	3.73	9.58	9.68	9.48	7.38	5.27	3.01	1.89	51.22
10	NSTPDC PH	0.39	0.40	0.41	1.24	3.36	5.99	7.15	5.77	2.87	1.13	1.13	1.51	31.35
11	Upper Sileru	18.20	12.93	10.29	12.41	13.07	13.97	16.41	15.65	14.35	17.31	19.16	24.16	187.90
12	Lower Sileru	36.01	27.47	23.45	37.23	35.10	36.72	41.23	35.43	37.47	36.12	38.32	42.66	427.21
13	Donkarayi	2.71	2.42	2.06	3.31	2.61	3.59	4.63	3.71	3.69	3.01	3.38	3.40	38.52
14	PABM	0.00	0.00	0.00	0.00	0.23	0.40	0.71	0.48	0.44	0.18	0.10	0.09	2.64
	AP Genco Hydel Total	65.44	44.43	37.03	64.11	151.48	161.27	174.89	104.30	78.92	79.19	85.75	88.05	1134.85
Inter Stat - Hydel														
15	Minihydel(Chettipet)	0.05	0.00	0.03	0.16	0.11	0.13	0.03	0.02	0.11	0.15	0.11	0.14	1.04
16	Machkund AP Share	10.07	11.31	10.49	11.79	11.58	9.58	10.52	9.89	10.46	10.16	9.58	9.44	124.85
17	TB Dam AP Share	1.16	0.00	0.00	1.65	7.47	7.98	8.41	7.42	4.92	4.51	3.76	3.40	50.69
	Inter Stat - Hydel Total	11.28	11.31	10.52	13.60	19.16	17.70	18.96	17.32	15.49	14.82	13.44	12.97	176.58

S. No	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
	APGENCO-TOTAL	860.75	900.94	880.56	943.13	947.40	987.25	959.08	955.76	843.02	881.24	809.09	890.87	10859.07
	CG Stations													
18	NTPC(SR) Ramagundam I &	72.23	72.45	76.99	79.98	72.21	74.70	81.35	77.09	70.24	62.02	62.70	73.18	875.13
19	NTPC(SR) Simhadri Stage-I	115.10	124.08	122.29	127.05	114.71	118.66	129.23	79.60	107.69	115.57	104.22	115.96	1374.16
20	NTPC(SR) Simhadri Stage-I	54.06	58.28	42.12	31.76	53.88	55.73	60.70	57.52	59.17	54.28	48.95	54.46	630.92
21	NTPC(SR) Talcher Stage-II	44.88	48.38	47.69	49.54	44.73	46.27	50.39	35.81	41.59	33.80	40.64	45.21	528.94
22	NTPC(SR) Ramagundam III	18.44	19.88	19.59	6.56	13.04	19.01	20.70	19.62	20.18	18.51	16.69	18.57	210.79
23	NTPC Kudgi Stage-I	55.90	60.26	39.60	58.39	55.71	57.63	62.76	55.51	42.10	56.13	50.62	56.32	650.93
24	NTECL Valluru	21.92	23.63	18.12	17.69	21.85	22.60	24.62	23.32	18.83	15.62	19.85	22.09	250.16
25	NLC Stage-I	10.55	12.71	12.53	9.18	11.75	8.24	7.52	10.06	12.50	11.84	9.56	10.62	127.06
26	NLC Stage-II	19.32	23.28	17.70	23.83	16.76	22.26	23.47	20.12	17.63	16.26	17.18	19.47	237.27
27	NPC(MAPS)	3.05	3.30	3.24	3.38	3.05	1.98	3.43	3.24	3.35	3.07	2.76	3.08	36.92
28	NPC(KAIGA unit I,II,III,IV)	24.90	26.92	26.46	27.56	24.88	19.65	19.32	13.25	18.59	19.18	17.29	19.24	257.24
29	NTPL(NLC TamilNadu)	29.57	20.58	19.36	28.97	29.47	30.49	33.20	31.46	32.37	29.69	26.77	29.79	341.74
30	NLC NNTPS	13.84	7.45	11.28	14.67	12.18	12.54	13.97	13.25	9.21	13.68	12.32	13.73	148.11
31	KKNPP Unit-I	0.30	0.50	0.49	0.51	0.46	0.47	0.52	0.49	0.50	0.46	0.42	0.46	5.58
32	NLC TPS- I Expn.	0.59	0.63	0.31	0.51	0.59	0.60	0.38	0.61	0.63	0.60	0.54	0.60	6.58
33	NLC TPS- II Expn.	0.53	0.30	0.57	0.59	0.27	0.55	0.31	0.57	0.30	0.54	0.48	0.54	5.55
34	NTPC Telangana STPS - I	1.79	1.93	1.90	1.97	1.78	1.84	2.01	1.90	1.96	1.79	1.62	1.80	22.29
35	JNNSM Ph-1 Thermal	9.81	10.35	8.75	9.32	9.57	10.12	11.02	9.91	8.97	9.15	8.77	9.90	115.62
	CGS TOTAL	496.78	514.90	468.96	491.48	486.89	503.34	544.91	453.32	465.81	462.21	441.36	495.02	5824.98
	NCE													
36	NCE- Others	8.13	7.27	7.71	9.02	1.66	1.75	11.76	9.04	10.01	9.45	7.91	8.35	92.06
37	NCE Solar	173.74	178.82	165.33	128.09	136.07	147.72	152.02	132.10	147.72	170.31	160.33	166.71	1858.96
38	NCE WIND	133.24	203.84	472.35	678.79	366.13	333.73	75.57	100.49	100.93	88.98	96.66	98.94	2749.65

S. No	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
39	JNNSM PH 1 SOLAR	1.27	2.86	1.20	0.99	0.89	1.08	2.28	1.15	0.20	0.82	1.76	3.05	17.56
40	JNNSM PH 2 SOLAR	67.48	113.13	120.11	83.12	52.83	90.78	84.27	92.02	86.59	88.74	105.12	102.51	1086.71
41	SECI 3000 MW APRAPL	0.00	0.00	0.00	0.00	0.00	0.00	234.76	222.46	228.85	209.95	196.09	210.65	1302.75
	NCE Total	383.87	505.92	766.69	900.02	557.58	575.07	560.68	557.26	574.30	568.25	567.86	590.20	7107.68
	Others													
42	APPDCL Stage-I	229.39	247.29	243.72	253.20	228.61	236.48	257.55	223.09	251.06	230.33	207.70	231.09	2839.51
43	APPDCL Stage-II	115.62	124.63	122.84	127.62	103.17	119.19	129.81	123.00	126.54	116.09	104.68	116.47	1429.65
44	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	SEIL P1 (Formerly Thermal Powertech)	64.28	69.29	68.29	70.95	64.06	66.26	72.17	68.38	70.35	64.54	58.20	64.75	801.51
46	SEIL P1 (625MW)	156.82	169.05	166.62	173.10	156.29	161.67	176.07	166.84	171.64	157.46	141.99	157.98	1955.54
47	SEIL P2 (500MW Firm)	139.40	150.27	74.05	153.87	138.92	143.71	156.51	148.30	152.57	139.96	126.22	140.43	1664.20
48	SEIL P2 (125MW Open Cap)	34.85	37.57	18.51	38.47	34.73	35.93	39.13	37.08	38.14	34.99	31.55	35.11	416.05
49	HNPCL	163.96	176.75	174.21	180.98	163.40	169.03	184.09	174.44	179.45	164.63	148.46	165.18	2044.60
	Others TOTAL	904.31	974.86	868.24	998.18	889.17	932.27	1015.33	941.14	989.74	908.00	818.81	911.02	11151.06
	GRAND TOTAL	2645.71	2896.62	2984.45	3332.81	2881.03	2997.93	3079.99	2907.48	2872.87	2819.69	2637.11	2887.10	34942.79

ANNEXURE – 04 (D)

FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2024-25 – DISCOMS (TOTAL)

S. No	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
AP Genco-Thermal														
1	Dr. NTPPS	660.44	682.46	660.44	682.46	682.46	660.44	682.46	660.44	682.46	682.46	616.41	682.46	8035.37
2	Dr. NTPPS-IV	266.40	275.28	266.40	275.28	275.28	266.40	275.28	266.40	182.00	275.28	248.64	275.28	3147.92
3	Dr. NTPPS-V	434.30	448.78	434.30	448.78	448.78	434.30	448.78	434.30	275.06	448.78	405.35	448.78	5110.31
4	RTPP Stage-I	151.35	156.40	151.35	156.40	156.40	151.35	156.40	151.35	156.40	156.40	141.26	156.40	1841.44
5	RTPP Stage-II	165.11	170.61	165.11	170.61	170.61	165.11	170.61	165.11	170.61	170.61	154.10	170.61	2008.84
6	RTPP Stage-III	82.56	85.31	82.56	85.31	73.00	82.56	85.31	82.56	85.31	85.31	77.05	85.31	992.11
7	RTPP Stage-IV	264.65	273.48	264.65	273.48	273.48	264.65	0.00	264.65	273.48	273.48	247.01	273.48	2946.48
	AP Genco-Thermal Total	2024.82	2092.31	2024.82	2092.31	2080.00	2024.82	1818.83	2024.82	1825.31	2092.31	1889.83	2092.31	24082.48
AP Genco Hydel														
8	Srisaillam RCPH	20.00	3.00	2.00	22.00	250.00	228.00	226.00	82.00	31.00	43.00	55.00	38.00	1000.00
9	NSRCPH	1.00	0.00	0.00	2.00	10.00	24.00	23.00	23.00	18.00	14.00	8.00	5.00	128.00
10	NSTPDC PH	1.00	1.00	1.00	3.00	9.00	15.00	17.00	14.00	7.00	3.00	3.00	4.00	78.00
11	Upper Sileru	47.00	32.00	25.00	30.00	35.00	35.00	39.00	38.00	35.00	46.00	51.00	64.00	477.00
12	Lower Sileru	93.00	68.00	57.00	90.00	94.00	92.00	98.00	86.00	91.37	96.00	102.00	113.00	1080.37
13	Donkarayi	7.00	6.00	5.00	8.00	7.00	9.00	11.00	9.00	9.00	8.00	9.00	9.00	97.00
14	PABM	0.00	0.00	0.00	0.00	0.62	1.01	1.69	1.17	1.08	0.47	0.27	0.24	6.54
15	Mini Hydel (Chettipet)	0.13	0.00	0.07	0.38	0.30	0.33	0.07	0.05	0.28	0.39	0.28	0.37	2.65
	AP Genco Hydel Total	169.13	110.00	90.07	155.38	405.92	404.34	415.76	253.22	192.72	210.86	228.55	233.61	2869.55
Inter State - Hydel														
16	Machkund AP Share	26.00	28.00	25.50	28.50	31.00	24.00	25.00	24.00	25.50	27.00	25.50	25.00	315.00
17	TB Dam AP Share	3.00	0.00	0.00	4.00	20.00	20.00	20.00	18.00	12.00	12.00	10.00	9.00	128.00

S. No	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
	Inter State - Hydel Total	29.00	28.00	25.50	32.50	51.00	44.00	45.00	42.00	37.50	39.00	35.50	34.00	443.00
	APGENCO-TOTAL	2222.95	2230.31	2140.38	2280.19	2536.92	2473.16	2279.59	2320.04	2055.53	2342.17	2153.88	2359.92	27395.03
	CG Stations													
18	NTPC(SR) Ramagundam I	186.55	179.34	187.13	193.37	193.37	187.13	193.37	187.13	171.27	164.84	166.91	193.85	2204.24
19	NTPC(SR) Simhadri Stage-I	297.26	307.17	297.26	307.17	307.17	297.26	307.17	193.22	262.58	307.17	277.44	307.17	3468.00
20	NTPC(SR) Simhadri Stage-II	139.62	144.27	102.39	76.79	144.27	139.62	144.27	139.62	144.27	144.27	130.31	144.27	1593.98
21	NTPC(SR) Talcher Stage-II	115.91	119.77	115.91	119.77	119.77	115.91	119.77	86.93	101.42	89.83	108.18	119.77	1332.96
22	NTPC(SR) Ramagundam II	47.61	49.20	47.61	15.87	34.92	47.61	49.20	47.61	49.20	49.20	44.44	49.20	531.70
23	NTPC Kudgi Stage-I	144.37	149.18	96.25	141.16	149.18	144.37	149.18	134.75	102.66	149.18	134.75	149.18	1644.23
24	NTECL Valluru	56.62	58.51	44.04	42.78	58.51	56.62	58.51	56.62	45.93	41.52	52.85	58.51	631.00
25	NLC Stage-I	27.25	31.47	30.46	22.19	31.47	20.64	17.87	24.42	30.47	31.47	25.44	28.12	321.29
26	NLC Stage-II	49.90	57.62	43.01	57.62	44.87	55.76	55.78	48.83	42.98	43.22	45.74	51.56	596.91
27	NPC(MAPS)	7.87	8.16	7.87	8.16	8.16	4.95	8.16	7.87	8.16	8.16	7.35	8.16	93.05
28	NPC(KAIGA unit I,II,III,IV)	64.31	66.64	64.31	66.64	66.64	49.21	45.91	32.15	45.33	50.98	46.04	50.98	649.13
29	NTPL(NLC TamilNadu)	76.37	50.95	47.06	70.05	78.92	76.37	78.92	76.37	78.92	78.92	71.26	78.92	863.05
30	NLC NNTPS	35.74	18.45	27.41	35.47	32.63	31.41	33.21	32.15	22.45	36.37	32.78	36.37	374.44
31	KKNPP Unit-I	0.77	1.23	1.19	1.23	1.23	1.19	1.23	1.19	1.23	1.23	1.11	1.23	14.06
32	NLC TPS- I Expn.	1.51	1.57	0.76	1.24	1.57	1.51	0.91	1.48	1.52	1.59	1.43	1.59	16.67
33	NLC TPS- II Expn.	1.38	0.74	1.38	1.43	0.72	1.38	0.74	1.38	0.74	1.43	1.29	1.43	14.01
34	NTPC Telangana STPS - I	4.62	4.77	4.62	4.77	4.77	4.62	4.77	4.62	4.77	4.77	4.31	4.77	56.17
35	JNNSM Ph-1 Thermal	25.32	25.61	21.27	22.54	25.62	25.35	26.19	24.06	21.87	24.31	23.34	26.21	291.70
	CGS TOTAL	1282.98	1274.66	1139.91	1188.24	1303.79	1260.92	1295.16	1100.40	1135.79	1228.47	1174.96	1311.30	14696.57
	NCE													
36	NCE- Others	21.00	17.99	18.74	21.81	4.44	4.39	27.96	21.94	24.40	25.13	21.06	22.11	230.96

S. No	Generating Station	Energy Availability (MU) at Ex-Bus												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
37	NCE Solar	448.69	442.68	401.87	309.68	364.36	370.05	361.34	320.66	360.19	452.66	426.81	441.61	4700.60
38	NCE WIND	344.11	504.62	1148.14	1641.11	980.41	836.04	179.62	243.94	246.09	236.49	257.31	262.08	6879.96
39	JNNSM PH 1 SOLAR	3.28	7.07	2.91	2.39	2.39	2.71	5.42	2.80	0.50	2.18	4.67	8.09	44.42
40	JNNSM PH 2 SOLAR	174.28	280.06	291.95	200.97	141.46	227.41	200.31	223.38	211.14	235.84	279.84	271.54	2738.19
41	SECI 3000 MW APRAPL	0.00	0.00	0.00	0.00	0.00	0.00	558.00	540.00	558.00	558.00	522.00	558.00	3294.00
	NCE TOTAL	991.36	1252.42	1863.60	2175.97	1493.07	1440.61	1332.65	1352.71	1400.31	1510.29	1511.69	1563.43	17888.13
	Others													
42	APPDCL Stage-I	592.42	612.16	592.42	612.16	612.16	592.42	612.16	541.53	612.16	612.16	552.92	612.16	7156.84
43	APPDCL Stage-II	298.58	308.54	298.58	308.54	276.26	298.58	308.54	298.58	308.54	308.54	278.68	308.54	3600.49
44	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	SEIL P1 (Formerly Therna Powertech)	166.00	171.53	166.00	171.53	171.53	166.00	171.53	166.00	171.53	171.53	154.93	171.53	2019.62
46	SEIL P1 (625MW)	405.00	418.50	405.00	418.50	418.50	405.00	418.50	405.00	418.50	418.50	378.00	418.50	4927.50
47	SEIL P2 (500MW Firm)	360.00	372.00	180.00	372.00	372.00	360.00	372.00	360.00	372.00	372.00	336.00	372.00	4200.00
48	SEIL P2 (125MW Open Ca)	90.00	93.00	45.00	93.00	93.00	90.00	93.00	90.00	93.00	93.00	84.00	93.00	1050.00
49	HNPCL	423.45	437.56	423.45	437.56	437.56	423.45	437.56	423.45	437.56	437.56	395.22	437.56	5151.93
	Others TOTAL	2335.44	2413.29	2110.44	2413.29	2381.01	2335.44	2413.29	2284.55	2413.29	2413.29	2179.75	2413.29	28106.38
	GRAND TOTAL	6832.73	7170.68	7254.34	8057.69	7714.79	7510.13	7320.69	7057.70	7004.92	7494.22	7020.27	7647.94	88086.11

ANNEXURE – 05 (A)

APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY 2024-25 – APSPDCL

S. No.	Generating Station / Stage	Energy Availability (MU) at Ex-BUS												
		Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	FY TOTAL
APGenco-Thermal														
1	Dr. NTPPS	241.58	232.31	225.76	236.58	262.26	236.34	235.40	233.86	240.48	263.05	239.23	260.35	2907.20
2	Dr. NTPPS-IV	110.44	106.20	103.21	108.15	119.89	108.04	107.61	106.91	109.93	120.25	109.36	119.02	1329.02
3	Dr. NTPPS-V	158.86	152.77	148.46	155.57	172.46	155.42	154.80	153.78	158.14	172.98	157.31	171.20	1911.76
4	RTPP Stage-I	75.16	72.28	70.24	73.60	81.59	73.53	73.24	72.76	74.81	81.84	74.43	81.00	904.46
5	RTPP Stage-II	85.90	82.60	80.27	84.12	93.25	84.03	83.70	83.15	85.50	93.53	85.06	92.57	1033.67
6	RTPP Stage-III	40.26	38.72	37.63	39.43	43.71	39.39	39.23	38.98	40.08	43.84	39.87	43.39	484.53
7	RTPP Stage-IV	111.20	106.94	103.92	108.90	120.72	108.79	108.36	107.65	110.70	121.09	110.12	119.84	1338.23
	AP Genco-Thermal Total	823.40	791.81	769.49	806.35	893.88	805.55	802.35	797.08	819.64	896.59	815.38	887.36	9908.88
AP GENCO - Hydel														
8	Srisailam RCPH	36.84	25.17	22.18	33.13	93.90	94.90	108.14	62.75	37.83	41.09	46.21	48.14	650.28
9	NSRCPH	4.31	2.94	2.59	3.87	10.98	11.09	12.64	7.33	4.42	4.80	5.40	5.63	76.01
10	NSTPDC PH	2.39	1.63	1.44	2.15	6.10	6.16	7.02	4.07	2.46	2.67	3.00	3.13	42.23
11	Upper Sileru	11.48	7.85	6.91	10.33	29.27	29.58	33.71	19.56	11.79	12.81	14.40	15.01	202.69
12	Lower Sileru	22.01	15.04	13.25	19.79	56.10	56.69	64.60	37.49	22.60	24.55	27.61	28.76	388.48
13	Donkarayi	1.20	0.82	0.72	1.08	3.05	3.08	3.51	2.04	1.23	1.33	1.50	1.56	21.11
14	PABM	0.96	0.65	0.58	0.86	2.44	2.46	2.81	1.63	0.98	1.07	1.20	1.25	16.89
15	Minihydel(Chettipet)	0.05	0.03	0.03	0.04	0.12	0.12	0.14	0.08	0.05	0.05	0.06	0.06	0.84
	AP Genco Hydel Total	79.24	54.13	47.69	71.25	201.95	204.10	232.57	134.95	81.36	88.38	99.38	103.53	1398.53
Inter State - Hydel														
16	Machkund AP Share	2.87	1.96	1.73	2.58	7.32	7.39	8.43	4.89	2.95	3.20	3.60	3.75	50.67
17	TB Dam AP Share	2.76	1.88	1.66	2.48	7.02	7.10	8.09	4.69	2.83	3.07	3.46	3.60	48.64

		Energy Availability (MU) at Ex-BUS												
S. No.	Generating Station / Stage	Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	FY TOTAL
	Inter State - Hydel Total	5.63	3.84	3.39	5.06	14.34	14.49	16.52	9.58	5.78	6.28	7.06	7.35	99.32
	APGENCO-TOTAL	908.27	849.79	820.57	882.66	1110.17	1024.14	1051.44	941.61	906.77	991.24	921.82	998.25	11406.7
	CG Stations													
18	NTPC(SR) Ramagundam I & II	67.54	64.95	63.11	66.14	73.32	66.07	65.81	65.38	67.23	73.54	66.88	72.78	812.74
19	NTPC(SR) Simhadri Stage-I	100.66	96.80	94.07	98.58	109.28	98.48	98.09	97.44	100.20	109.61	99.68	108.48	1211.35
20	NTPC(SR) Simhadri Stage-II	46.70	44.90	43.64	45.73	50.69	45.68	45.50	45.20	46.48	50.85	46.24	50.32	561.93
21	NTPC(SR) Talcher Stage-II	38.49	37.02	35.97	37.70	41.79	37.66	37.51	37.26	38.32	41.92	38.12	41.48	463.24
22	NTPC(SR) Ramagundam III	15.86	15.25	14.82	15.53	17.22	15.52	15.46	15.35	15.79	17.27	15.71	17.09	190.88
23	NLC Stage-I	10.35	9.95	9.67	10.13	11.23	10.12	10.08	10.02	10.30	11.27	10.25	11.15	124.54
24	NLC Stage-II	18.46	17.75	17.25	18.07	20.04	18.06	17.98	17.87	18.37	20.10	18.28	19.89	222.10
25	NPC(MAPS)	3.76	3.61	3.51	3.68	4.08	3.68	3.66	3.64	3.74	4.09	3.72	4.05	45.22
26	NPC(KAIGA unit I,II,III,IV)	23.70	22.79	22.15	23.21	25.73	23.18	23.09	22.94	23.59	25.80	23.47	25.54	285.17
27	JNNSM Ph-1 Thermal	8.49	8.17	7.94	8.32	9.22	8.31	8.27	8.22	8.45	9.25	8.41	9.15	102.18
28	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	NTPL(NLC TamilNadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	KKNPP Unit-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	NLC TPS- I Expn.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	NLC TPS- II Expn.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	NTPC Telangana STPS - I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CGS TOTAL	334.00	321.18	312.13	327.08	362.59	326.76	325.46	323.32	332.47	363.68	330.74	359.94	4019.3
	NCE													
36	NCE- Others	11.24	10.81	10.50	11.00	12.20	10.99	10.95	10.88	11.19	12.24	11.13	12.11	135.23

S. No.	Generating Station / Stage	Energy Availability (MU) at Ex-BUS												FY TOTAL
		Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	
37	NCE Solar	255.97	252.89	239.40	216.39	240.45	207.41	392.42	410.91	401.28	477.57	501.65	552.82	4149.17
38	NCE WIND	132.05	232.47	352.30	396.73	455.08	262.37	84.96	89.99	107.04	122.15	128.15	151.79	2515.08
	NCE TOTAL	399.25	496.17	602.21	624.12	707.73	480.77	488.32	511.77	519.51	611.96	640.93	716.72	6799.4
	Others													
39	APPDCL Stage-I	226.94	218.24	212.08	222.24	246.37	222.02	221.14	219.69	225.90	247.11	224.73	244.57	2731.03
40	APPDCL Stage-II	127.09	122.21	118.77	124.46	137.97	124.33	123.84	123.03	126.51	138.39	125.85	136.96	1529.41
41	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	SEIL P1 (230MW)	55.06	52.95	51.46	53.92	59.78	53.87	53.66	53.30	54.81	59.96	54.53	59.34	662.65
43	SEIL P1 (625MW)	133.44	128.32	124.70	130.68	144.86	130.55	130.03	129.17	132.83	145.30	132.14	143.80	1605.81
44	SEIL P2 (500MW Firm)	98.32	94.55	91.89	96.29	106.74	96.19	95.81	95.18	97.87	107.06	97.36	105.96	1183.23
45	SEIL P2 (125MW Open Cap)	24.58	23.64	22.97	24.07	26.68	24.05	23.95	23.79	24.47	26.77	24.34	26.49	295.81
46	HNPCL	165.22	158.88	154.40	161.80	179.36	161.63	160.99	159.93	164.46	179.90	163.61	178.05	1988.23
	Others TOTAL	830.66	798.79	776.27	813.45	901.76	812.65	809.42	804.10	826.86	904.49	822.56	895.18	9996.18
	GRAND TOTAL	2472.18	2465.93	2511.17	2647.32	3082.24	2644.32	2674.64	2580.80	2585.62	2871.37	2716.05	2970.09	32221.7

ANNEXURE – 05 (B)

APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY 2024-25 – APCPDCL

S. No.	Generating Station / Stage	Energy Availability (MU) at Ex-BUS												FY TOTAL
		Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	
APGenco-Thermal														
1	Dr. NTPPS	135.61	146.78	136.47	136.12	135.47	132.49	133.82	128.77	134.22	132.59	118.59	134.87	1605.80
2	Dr. NTPPS-IV	61.99	67.10	62.39	62.23	61.93	60.57	61.18	58.87	61.36	60.61	54.21	61.66	734.09
3	Dr. NTPPS-V	89.17	96.52	89.74	89.51	89.08	87.12	88.00	84.68	88.26	87.19	77.98	88.69	1055.97
4	RTPP Stage-I	42.19	45.67	42.46	42.35	42.15	41.22	41.63	40.06	41.76	41.25	36.89	41.96	499.58
5	RTPP Stage-II	48.22	52.19	48.52	48.40	48.17	47.11	47.58	45.79	47.72	47.14	42.16	47.95	570.95
6	RTPP Stage-III	22.60	24.46	22.74	22.69	22.58	22.08	22.30	21.46	22.37	22.10	19.76	22.48	267.63
7	RTPP Stage-IV	62.42	67.57	62.82	62.66	62.36	60.99	61.60	59.28	61.78	61.04	54.59	62.08	739.18
	AP Genco-Thermal Total	462.20	500.29	465.13	463.95	461.73	451.58	456.13	438.92	457.46	451.93	404.20	459.69	5473.20
AP GENCO - Hydel														
8	Srisailam RCPH	20.68	15.90	13.40	19.06	48.50	53.20	61.48	34.55	21.11	20.71	22.91	24.94	356.46
9	NSRCPH	2.42	1.86	1.57	2.23	5.67	6.22	7.19	4.04	2.47	2.42	2.68	2.91	41.66
10	NSTPDC PH	1.34	1.03	0.87	1.24	3.15	3.45	3.99	2.24	1.37	1.35	1.49	1.62	23.15
11	Upper Sileru	6.45	4.96	4.18	5.94	15.12	16.58	19.16	10.77	6.58	6.46	7.14	7.77	111.10
12	Lower Sileru	12.36	9.50	8.01	11.39	28.98	31.78	36.73	20.64	12.61	12.37	13.68	14.90	212.95
13	Donkarayi	0.67	0.52	0.44	0.62	1.57	1.73	2.00	1.12	0.69	0.67	0.74	0.81	11.57
14	PABM	0.54	0.41	0.35	0.50	1.26	1.38	1.60	0.90	0.55	0.54	0.59	0.65	9.26
15	Minihydel(Chettipet)	0.03	0.02	0.02	0.02	0.06	0.07	0.08	0.04	0.03	0.03	0.03	0.03	0.46
	AP Genco Hydel Total	44.48	34.20	28.83	41.00	104.31	114.41	132.22	74.31	45.41	44.55	49.27	53.64	766.61
Inter State - Hydel														
16	Machkund AP Share	1.61	1.24	1.04	1.49	3.78	4.15	4.79	2.69	1.65	1.61	1.78	1.94	27.78
17	TB Dam AP Share	1.55	1.19	1.00	1.43	3.63	3.98	4.60	2.58	1.58	1.55	1.71	1.87	26.66

S. No.	Generating Station / Stage	Energy Availability (MU) at Ex-BUS												FY TOTAL
		Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	
	Inter State - Hydel Total	3.16	2.43	2.05	2.91	7.41	8.12	9.39	5.28	3.22	3.16	3.50	3.81	54.44
	APGENCO-TOTAL	509.84	536.92	496.01	507.86	573.45	574.11	597.73	518.50	506.09	499.64	456.96	517.14	6294.26
	CG Stations													
18	NTPC(SR) Ramagundam I & II	37.91	41.03	38.15	38.05	37.87	37.04	37.41	36.00	37.52	37.07	33.15	37.70	448.92
19	NTPC(SR) Simhadri Stage-I	56.50	61.16	56.86	56.72	56.45	55.20	55.76	53.66	55.92	55.25	49.41	56.20	669.09
20	NTPC(SR) Simhadri Stage-II	26.21	28.37	26.38	26.31	26.18	25.61	25.87	24.89	25.94	25.63	22.92	26.07	310.39
21	NTPC(SR) Talcher Stage-II	21.61	23.39	21.74	21.69	21.59	21.11	21.32	20.52	21.39	21.13	18.90	21.49	255.87
22	NTPC(SR) Ramagundam III	8.90	9.64	8.96	8.94	8.89	8.70	8.79	8.45	8.81	8.71	7.79	8.86	105.43
23	NLC Stage-I	5.81	6.29	5.85	5.83	5.80	5.68	5.73	5.52	5.75	5.68	5.08	5.78	68.79
24	NLC Stage-II	10.36	11.21	10.43	10.40	10.35	10.12	10.22	9.84	10.25	10.13	9.06	10.30	122.68
25	NPC(MAPS)	2.11	2.28	2.12	2.12	2.11	2.06	2.08	2.00	2.09	2.06	1.84	2.10	24.98
26	NPC(KAIGA unit I,II,III,IV)	13.30	14.40	13.39	13.35	13.29	13.00	13.13	12.63	13.17	13.01	11.63	13.23	157.52
27	JNNSM Ph-1 Thermal	4.77	5.16	4.80	4.78	4.76	4.66	4.70	4.53	4.72	4.66	4.17	4.74	56.44
28	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	NTPL(NLC TamilNadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	KKNPP Unit-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	NLC TPS- I Expn.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	NLC TPS- II Expn.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	NTPC Telangana STPS - I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CGS TOTAL	187.48	202.93	188.67	188.19	187.29	183.17	185.02	178.04	185.56	183.32	163.95	186.47	2220.10
	NCE													

S. No.	Generating Station / Stage	Energy Availability (MU) at Ex-BUS												
		Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	FY TOTAL
36	NCE- Others	6.31	6.83	6.35	6.33	6.30	6.16	6.22	5.99	6.24	6.17	5.52	6.27	74.69
37	NCE Solar	143.68	159.78	144.71	124.50	124.20	116.27	223.08	226.27	223.97	240.72	248.68	286.39	2262.26
38	NCE WIND	74.12	146.88	212.95	228.27	235.07	147.08	48.30	49.55	59.74	61.57	63.53	78.64	1405.70
	NCE TOTAL	224.11	313.50	364.01	359.10	365.58	269.51	277.61	281.81	289.95	308.46	317.72	371.29	3742.66
	Others													0.00
39	APPDCL Stage-I	127.39	137.89	128.20	127.87	127.26	124.46	125.72	120.97	126.08	124.56	111.40	126.70	1508.49
40	APPDCL Stage-II	71.34	77.22	71.79	71.61	71.27	69.70	70.40	67.75	70.61	69.75	62.39	70.95	844.77
41	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	SEIL P1 (230MW)	30.91	33.46	31.11	31.03	30.88	30.20	30.50	29.35	30.59	30.22	27.03	30.74	366.02
43	SEIL P1 (625MW)	74.90	81.08	75.38	75.19	74.83	73.18	73.92	71.13	74.13	73.24	65.50	74.50	886.98
44	SEIL P2 (500MW Firm)	55.19	59.74	55.54	55.40	55.14	53.92	54.47	52.41	54.63	53.97	48.27	54.89	653.56
45	SEIL P2 (125MW Open Cap)	13.80	14.94	13.89	13.85	13.78	13.48	13.62	13.10	13.66	13.49	12.07	13.72	163.39
46	HNPCL	92.74	100.38	93.33	93.09	92.65	90.61	91.52	88.07	91.79	90.68	81.10	92.24	1098.21
	Others TOTAL	466.27	504.70	469.23	468.04	465.80	455.55	460.15	442.78	461.49	455.91	407.76	463.74	5521.42
	GRAND TOTAL	1387.70	1558.05	1517.92	1523.19	1592.11	1482.35	1520.51	1421.13	1443.09	1447.33	1346.39	1538.64	17778.4

ANNEXURE – 05 (C)

APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY 2024-25 – APEPDCL

S. No.	Generating Station / Stage	Energy Availability (MU) at Ex-BUS												FY TOTAL
		Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	
APGenco-Thermal														
1	Dr. NTPPS	242.09	260.79	256.89	266.97	242.23	250.31	270.37	256.39	264.98	244.25	220.15	244.70	3020.11
2	Dr. NTPPS-IV	110.67	119.22	117.44	122.05	110.73	114.43	123.60	117.21	121.13	111.66	100.64	111.86	1380.64
3	Dr. NTPPS-V	159.20	171.49	168.93	175.56	159.29	164.60	177.80	168.60	174.25	160.62	144.77	160.91	1986.02
4	RTPP Stage-I	75.32	81.13	79.92	83.06	75.36	77.87	84.12	79.77	82.44	75.99	68.49	76.13	939.59
5	RTPP Stage-II	86.08	92.72	91.34	94.92	86.13	89.00	96.13	91.16	94.21	86.84	78.27	87.00	1073.82
6	RTPP Stage-III	40.35	43.46	42.81	44.50	40.37	41.72	45.06	42.73	44.16	40.71	36.69	40.78	503.35
7	RTPP Stage-IV	111.44	120.05	118.25	122.89	111.50	115.22	124.46	118.02	121.97	112.43	101.34	112.64	1390.21
AP Genco-Thermal Total		825.15	888.87	875.57	909.95	825.61	853.15	921.54	873.88	903.15	832.49	750.34	834.04	10293.75
AP GENCO - Hydel														
8	Srisailam RCPH	36.92	28.26	25.23	37.39	86.73	100.51	124.21	68.79	41.68	38.16	42.52	45.25	675.65
9	NSRCPH	4.32	3.30	2.95	4.37	10.14	11.75	14.52	8.04	4.87	4.46	4.97	5.29	78.97
10	NSTPDC PH	2.40	1.83	1.64	2.43	5.63	6.53	8.07	4.47	2.71	2.48	2.76	2.94	43.87
11	Upper Sileru	11.51	8.81	7.86	11.65	27.03	31.33	38.71	21.44	12.99	11.89	13.25	14.10	210.59
12	Lower Sileru	22.06	16.88	15.07	22.34	51.81	60.04	74.20	41.10	24.90	22.79	25.40	27.03	403.63
13	Donkarayi	1.20	0.92	0.82	1.21	2.82	3.26	4.03	2.23	1.35	1.24	1.38	1.47	21.94
14	PABM	0.96	0.73	0.66	0.97	2.25	2.61	3.23	1.79	1.08	0.99	1.10	1.18	17.55
15	Minihydel(Chettipet)	0.05	0.04	0.03	0.05	0.11	0.13	0.16	0.09	0.05	0.05	0.06	0.06	0.88
AP Genco Hydel Total		79.40	60.77	54.27	80.41	186.52	216.16	267.12	147.95	89.65	82.06	91.46	97.31	1453.08
Inter State - Hydel														
16	Machkund AP Share	2.88	2.20	1.97	2.91	6.76	7.83	9.68	5.36	3.25	2.97	3.31	3.53	52.65

S. No.	Generating Station / Stage	Energy Availability (MU) at Ex-BUS												FY TOTAL
		Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	
17	TB Dam AP Share	2.76	2.11	1.89	2.80	6.49	7.52	9.29	5.15	3.12	2.85	3.18	3.38	50.54
	Inter State - Hydel Total	5.64	4.32	3.85	5.71	13.25	15.35	18.97	10.51	6.37	5.83	6.49	6.91	103.19
	APGENCO-TOTAL	910.19	953.95	933.69	996.07	1025.38	1084.66	1207.63	1032.33	999.16	920.38	848.29	938.26	11850.01
	CG Stations													
18	NTPC(SR) Ramagundam I & II	67.68	72.91	71.82	74.64	67.72	69.98	75.59	71.68	74.08	68.28	61.54	68.41	844.31
19	NTPC(SR) Simhadri Stage-I	100.87	108.66	107.04	111.24	100.93	104.30	112.66	106.83	110.41	101.77	91.73	101.96	1258.40
20	NTPC(SR) Simhadri Stage-II	46.79	50.41	49.65	51.60	46.82	48.38	52.26	49.56	51.22	47.21	42.55	47.30	583.76
21	NTPC(SR) Talcher Stage-II	38.58	41.55	40.93	42.54	38.60	39.88	43.08	40.85	42.22	38.92	35.08	38.99	481.23
22	NTPC(SR) Ramagundam III	15.89	17.12	16.87	17.53	15.90	16.43	17.75	16.83	17.40	16.04	14.45	16.07	198.29
23	NLC Stage-I	10.37	11.17	11.00	11.44	10.38	10.72	11.58	10.98	11.35	10.46	9.43	10.48	129.37
24	NLC Stage-II	18.50	19.92	19.63	20.40	18.51	19.12	20.66	19.59	20.24	18.66	16.82	18.69	230.73
25	NPC(MAPS)	3.77	4.06	4.00	4.15	3.77	3.89	4.21	3.99	4.12	3.80	3.42	3.81	46.98
26	NPC(KAIGA unit I,II,III,IV)	23.75	25.58	25.20	26.19	23.76	24.55	26.52	25.15	25.99	23.96	21.59	24.00	296.25
27	JNNSM Ph-1 Thermal	8.51	9.17	9.03	9.38	8.51	8.80	9.50	9.01	9.31	8.59	7.74	8.60	106.15
28	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	NTPL(NLC TamilNadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	KKNPP Unit-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	NLC TPS- I Expn.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	NLC TPS- II Expn.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	NTPC Telangana STPS - I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CGS TOTAL	334.71	360.55	355.16	369.11	334.89	346.07	373.80	354.47	366.35	337.69	304.36	338.31	4175.47
	NCE													

		Energy Availability (MU) at Ex-BUS												
S. No.	Generating Station / Stage	Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	FY TOTAL
36	NCE- Others	11.26	12.13	11.95	12.42	11.27	11.64	12.58	11.93	12.33	11.36	10.24	11.38	140.48
37	NCE Solar	256.51	283.89	272.41	244.19	222.09	219.67	450.71	450.50	442.17	443.43	461.64	519.60	4266.81
38	NCE WIND	132.33	260.97	400.87	447.70	420.33	277.87	97.58	98.66	117.95	113.41	117.93	142.67	2628.27
	NCE TOTAL	400.10	556.99	685.22	704.31	653.68	509.19	560.87	561.08	572.44	568.21	589.81	673.65	7035.55
	Others													
39	APPDCL Stage-I	227.42	244.99	241.32	250.80	227.55	235.14	253.99	240.85	248.92	229.45	206.81	229.87	2837.11
40	APPDCL Stage-II	127.36	137.19	135.14	140.45	127.43	131.68	142.24	134.88	139.40	128.49	115.81	128.73	1588.81
41	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	SEIL P1 (230MW)	55.18	59.44	58.55	60.85	55.21	57.05	61.63	58.44	60.40	55.67	50.18	55.78	688.39
43	SEIL P1 (625MW)	133.72	144.05	141.89	147.46	133.80	138.26	149.34	141.62	146.36	134.91	121.60	135.16	1668.18
44	SEIL P2 (500MW Firm)	98.53	106.14	104.55	108.66	98.59	101.88	110.04	104.35	107.85	99.41	89.60	99.59	1229.19
45	SEIL P2 (125MW Open Cap)	24.63	26.54	26.14	27.16	24.65	25.47	27.51	26.09	26.96	24.85	22.40	24.90	307.30
46	HNPCL	165.57	178.35	175.68	182.58	165.66	171.19	184.91	175.35	181.22	167.04	150.56	167.35	2065.46
	Others TOTAL	832.42	896.70	883.28	917.97	832.89	860.67	929.66	881.58	911.11	839.83	756.95	841.39	10384.44
	GRAND TOTAL	2477.42	2768.19	2857.36	2987.46	2846.84	2800.59	3071.96	2829.47	2849.06	2666.10	2499.42	2791.61	33445.47

ANNEXURE – 05 (D)

APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY 2024-25 – APDISCOMs

S. No.	Generating Station / Stage	Energy Availability (MU) at Ex-BUS												FY TOTAL
		Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	
APGenco-Thermal														
1	Dr. NTPPS	619.16	639.80	619.16	639.80	639.80	619.16	639.80	619.16	639.80	639.80	577.89	639.80	7533
2	Dr. NTPPS-IV	283.05	292.49	283.05	292.49	292.49	283.05	292.49	283.05	292.49	292.49	264.18	292.49	3444
3	Dr. NTPPS-V	407.16	420.73	407.16	420.73	420.73	407.16	420.73	407.16	420.73	420.73	380.02	420.73	4954
4	RTPP Stage-I	192.63	199.05	192.63	199.05	199.05	192.63	199.05	192.63	199.05	199.05	179.79	199.05	2344
5	RTPP Stage-II	220.15	227.49	220.15	227.49	227.49	220.15	227.49	220.15	227.49	227.49	205.47	227.49	2678
6	RTPP Stage-III	103.19	106.63	103.19	106.63	106.63	103.19	106.63	103.19	106.63	106.63	96.31	106.63	1256
7	RTPP Stage-IV	285.01	294.51	285.01	294.51	294.51	285.01	294.51	285.01	294.51	294.51	266.01	294.51	3468
	AP Genco-Thermal Total	2110.36	2180.70	2110.36	2180.70	2180.70	2110.36	2180.70	2110.36	2180.70	2180.70	1969.67	2180.70	25676
AP GENCO - Hydel														
8	Srisaillam RCPH	94.43	69.32	60.82	89.60	229.08	248.62	293.92	166.13	100.65	99.95	111.63	118.31	1682
9	NSRCPH	11.04	8.10	7.11	10.47	26.78	29.06	34.35	19.42	11.76	11.68	13.05	13.83	197
10	NSTPDC PH	6.13	4.50	3.95	5.82	14.88	16.14	19.09	10.79	6.54	6.49	7.25	7.68	109
11	Upper Sileru	29.43	21.61	18.96	27.93	71.40	77.49	91.61	51.78	31.37	31.15	34.79	36.88	524
12	Lower Sileru	56.41	41.41	36.33	53.53	136.85	148.52	175.59	99.25	60.13	59.71	66.69	70.68	1005
13	Donkarayi	3.07	2.25	1.97	2.91	7.44	8.07	9.54	5.39	3.27	3.25	3.62	3.84	55
14	PABM	2.45	1.80	1.58	2.33	5.95	6.46	7.63	4.32	2.61	2.60	2.90	3.07	44
15	Minihydel(Chettipet)	0.12	0.09	0.08	0.12	0.30	0.32	0.38	0.22	0.13	0.13	0.14	0.15	2
	AP Genco Hydel Total	203.08	149.08	130.80	192.70	492.66	534.69	632.11	357.29	216.45	214.96	240.08	254.44	3618
Inter State - Hydel														
16	Machkund AP Share	7.36	5.40	4.74	6.98	17.85	19.37	22.90	12.95	7.84	7.79	8.70	9.22	131
17	TB Dam AP Share	7.06	5.19	4.55	6.70	17.14	18.60	21.99	12.43	7.53	7.48	8.35	8.85	126

S. No.	Generating Station / Stage	Energy Availability (MU) at Ex-BUS												FY TOTAL
		Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	
	Inter State - Hydel Total	14.42	10.59	9.29	13.68	34.99	37.97	44.89	25.37	15.37	15.26	17.05	18.07	257
	APGENCO-TOTAL	2327.86	2340.37	2250.44	2387.09	2708.35	2683.01	2857.70	2493.02	2412.53	2410.92	2226.79	2453.21	29551
	CG Stations													
18	NTPC(SR) Ramagundam I & II	173.10	178.87	173.10	178.87	178.87	173.10	178.87	173.10	178.87	178.87	161.56	178.87	2106
19	NTPC(SR) Simhadri Stage-I	257.99	266.59	257.99	266.59	266.59	257.99	266.59	257.99	266.59	266.59	240.79	266.59	3139
20	NTPC(SR) Simhadri Stage-II	119.68	123.67	119.68	123.67	123.67	119.68	123.67	119.68	123.67	123.67	111.70	123.67	1456
21	NTPC(SR) Talcher Stage-II	98.66	101.95	98.66	101.95	101.95	98.66	101.95	98.66	101.95	101.95	92.08	101.95	1200
22	NTPC(SR) Ramagundam III	40.65	42.01	40.65	42.01	42.01	40.65	42.01	40.65	42.01	42.01	37.94	42.01	495
23	NLC Stage-I	26.52	27.41	26.52	27.41	27.41	26.52	27.41	26.52	27.41	27.41	24.76	27.41	323
24	NLC Stage-II	47.30	48.88	47.30	48.88	48.88	47.30	48.88	47.30	48.88	48.88	44.15	48.88	576
25	NPC(MAPS)	9.63	9.95	9.63	9.95	9.95	9.63	9.95	9.63	9.95	9.95	8.99	9.95	117
26	NPC(KAIGA unit I,II,III,IV)	60.73	62.76	60.73	62.76	62.76	60.73	62.76	60.73	62.76	62.76	56.69	62.76	739
27	JNNSM Ph-1 Thermal	21.76	22.49	21.76	22.49	22.49	21.76	22.49	21.76	22.49	22.49	20.31	22.49	265
28	NTPC Kudgi Stage-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
29	NTECL Valluru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
30	NTPL(NLC TamilNadu)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
31	NLC NNTPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
32	KKNPP Unit-I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
33	NLC TPS- I Expn.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
34	NLC TPS- II Expn.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
35	NTPC Telangana STPS - I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CGS TOTAL	856.03	884.56	856.03	884.56	884.56	856.03	884.56	856.03	884.56	884.56	798.96	884.56	10415
	NCE													
36	NCE- Others	28.80	29.76	28.80	29.76	29.76	28.80	29.76	28.80	29.76	29.76	26.88	29.76	350

		Energy Availability (MU) at Ex-BUS												
S. No.	Generating Station / Stage	Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 24	Feb- 24	Mar- 24	FY TOTAL
37	NCE Solar	656.05	696.47	656.57	585.20	586.61	543.37	1066.54	1087.93	1067.64	1161.57	1211.82	1358.56	10678
38	NCE WIND	338.43	640.25	966.20	1072.92	1110.21	687.35	230.91	238.25	284.79	297.09	309.57	373.03	6549
	NCE TOTAL	1023.28	1366.48	1651.57	1687.88	1726.58	1259.52	1327.22	1354.97	1382.19	1488.41	1548.27	1761.35	17578
	Others													
39	APPDCL Stage-I	581.64	601.03	581.64	601.03	601.03	581.64	601.03	581.64	601.03	601.03	542.87	601.03	7077
40	APPDCL Stage-II	325.73	336.59	325.73	336.59	336.59	325.73	336.59	325.73	336.59	336.59	304.01	336.59	3963
41	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
42	SEIL P1 (230MW)	141.13	145.83	141.13	145.83	145.83	141.13	145.83	141.13	145.83	145.83	131.72	145.83	1717
43	SEIL P1 (625MW)	342.00	353.40	342.00	353.40	353.40	342.00	353.40	342.00	353.40	353.40	319.20	353.40	4161
44	SEIL P2 (500MW Firm)	252.00	260.40	252.00	260.40	260.40	252.00	260.40	252.00	260.40	260.40	235.20	260.40	3066
45	SEIL P2 (125MW Open Cap)	63.00	65.10	63.00	65.10	65.10	63.00	65.10	63.00	65.10	65.10	58.80	65.10	767
46	HNPCL	423.45	437.56	423.45	437.56	437.56	423.45	437.56	423.45	437.56	437.56	395.22	437.56	5152
	Others TOTAL	2128.95	2199.91	2128.95	2199.91	2199.91	2128.95	2199.91	2128.95	2199.91	2199.91	1987.02	2199.91	25902
	GRAND TOTAL	6336.12	6791.32	6886.99	7159.44	7519.41	6927.51	7269.39	6832.97	6879.20	6983.81	6561.04	7299.03	83446

ANNEXURE – 06 (A)
FILING: ENERGY DESPATCH (MU) FOR FY2024-25 – APSPDCL

S. No	Generating Stations	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
AP Genco Thermal														
1	Dr. NTPPS	258.25	248.07	241.34	127.19	281.26	253.47	249.48	248.16	256.57	282.16	256.63	278.75	2981.33
2	Dr. NTPPS-IV	104.17	100.06	97.35	101.88	113.45	102.24	100.63	100.10	68.42	113.81	103.51	112.44	1218.07
3	Dr. NTPPS-V	169.82	163.13	158.71	166.09	184.96	166.68	164.06	163.19	103.41	185.55	168.76	183.30	1977.64
4	RTPP Stage-I	59.18	56.85	55.31	0.00	64.46	58.09	6.61	56.87	0.00	0.00	58.81	63.88	480.05
5	RTPP Stage-II	64.56	62.02	60.34	0.00	70.32	31.06	0.00	10.87	0.00	0.00	64.16	69.69	433.01
6	RTPP Stage-III	32.28	31.01	30.17	0.00	30.09	0.00	0.00	0.00	0.00	0.00	2.22	23.28	149.04
7	RTPP Stage-IV	103.48	99.41	96.71	0.00	112.71	101.57	0.00	99.44	52.23	65.09	102.84	111.70	945.18
	AP Genco-Thermal Total	791.74	760.55	739.92	395.15	857.24	713.10	520.78	678.63	480.63	646.61	756.92	843.03	8184.32
AP Genco Hydel														
8	Srisailam RCPH	7.82	1.09	0.73	8.14	103.03	87.50	82.62	30.81	11.65	17.78	22.90	15.52	389.60
9	NSRCPH	0.39	0.00	0.00	0.74	4.12	9.21	8.41	8.64	6.77	5.79	3.33	2.04	49.44
10	NSTPDC PH	0.39	0.36	0.37	1.11	3.71	5.76	6.21	5.26	2.63	1.24	1.25	1.63	29.93
11	Upper Sileru	18.38	11.63	9.14	11.10	14.42	13.43	14.26	14.28	13.16	19.02	21.23	26.14	186.19
12	Lower Sileru	36.36	24.72	20.83	33.31	38.74	35.31	35.83	32.31	34.35	39.69	42.46	46.15	420.07
13	Donkarayi	2.74	2.18	1.83	2.96	2.88	3.45	4.02	3.38	3.38	3.31	3.75	3.68	37.56
14	PABM	0.00	0.00	0.00	0.00	0.26	0.39	0.62	0.44	0.40	0.19	0.11	0.10	2.51
15	Minihydel(Chettipet)	0.05	0.00	0.02	0.14	0.12	0.13	0.03	0.02	0.11	0.16	0.12	0.15	1.04
	AP Genco Hydel Total	66.13	39.98	32.91	57.50	167.29	155.18	151.99	95.15	72.45	87.18	95.15	95.42	1116.34
Inter State - Hydel														
16	Machkund AP Share	10.17	10.18	9.32	10.55	12.78	9.21	9.14	9.02	9.59	11.16	10.62	10.21	121.93
17	TB Dam AP Share	1.17	0.00	0.00	1.48	8.24	7.68	7.31	6.76	4.51	4.96	4.16	3.68	49.96

S. No	Generating Stations	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
	Inter State - Hydel Total	11.34	10.18	9.32	12.03	21.02	16.89	16.45	15.78	14.10	16.12	14.78	13.89	171.89
	APGENCO-TOTAL	869.21	810.71	782.15	464.69	1045.55	885.17	689.22	789.55	567.19	749.91	866.85	952.34	9472.55
	CG Stations													
18	NTPC(SR) Ramagundam I & II	72.94	65.19	68.38	71.56	79.69	71.82	70.69	70.31	64.39	68.15	69.49	79.18	851.79
19	NTPC(SR) Simhadri Stage-I	116.23	111.65	108.63	113.68	126.59	114.08	112.29	72.60	98.72	127.00	115.50	125.46	1342.43
20	NTPC(SR) Simhadri Stage-II	54.59	52.44	37.41	28.42	59.46	53.58	52.74	52.46	54.24	59.65	54.25	58.93	618.18
21	NTPC(SR) Talcher Stage-II	45.32	43.54	42.36	44.33	49.36	44.48	43.79	32.66	38.13	37.14	45.04	48.92	515.07
22	NTPC(SR) Ramagundam III	18.62	17.88	17.40	5.87	14.39	18.27	17.99	17.89	18.50	20.34	18.50	20.10	205.76
23	NTPC Kudgi Stage-I	56.45	48.45	35.17	0.00	3.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.31
24	NTECL Valluru	22.14	21.27	16.09	0.00	24.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.61
25	NLC Stage-I	10.66	11.44	11.13	8.21	12.97	7.92	6.53	9.18	11.45	13.01	10.59	11.49	124.59
26	NLC Stage-II	19.51	20.95	15.72	21.33	18.49	21.40	20.39	18.35	16.16	17.87	19.04	21.06	230.27
27	NPC(MAPS)	3.08	2.97	2.88	3.02	3.36	1.90	2.98	2.96	3.07	3.38	3.06	3.33	35.98
28	NPC(KAIGA unit I,II,III,IV)	25.15	24.22	23.50	24.66	27.46	18.89	16.78	12.08	17.04	21.08	19.17	20.82	250.85
29	NTPL(NLC TamilNadu)	29.86	18.52	17.20	25.92	32.53	29.31	28.85	28.70	29.67	32.63	29.67	32.24	335.09
30	NLC NNTPS	13.97	6.71	10.02	13.13	13.45	12.06	12.14	12.08	8.44	15.04	13.65	14.85	145.53
31	KKNPP Unit-I	0.30	0.45	0.43	0.45	0.51	0.46	0.45	0.45	0.46	0.51	0.46	0.50	5.43
32	NLC TPS- I Expn.	0.59	0.57	0.28	0.46	0.65	0.58	0.33	0.56	0.57	0.66	0.59	0.65	6.48
33	NLC TPS- II Expn.	0.54	0.27	0.50	0.53	0.30	0.53	0.27	0.52	0.28	0.59	0.54	0.58	5.44
34	NTPC Telangana STPS - I	1.81	1.73	1.69	0.00	1.97	1.77	1.74	1.73	1.79	1.97	1.79	1.95	19.95
35	JNNSM Ph-1 Thermal	9.90	9.31	7.77	8.34	10.56	9.73	9.58	9.04	8.22	10.05	9.72	10.71	112.93
	CGS TOTAL	501.67	457.56	416.55	369.91	479.09	406.79	397.55	341.56	371.14	429.06	411.06	450.76	5032.69
	NCE													
36	NCE- Others	8.21	6.54	6.85	8.07	1.83	1.68	10.22	8.24	9.17	10.39	8.77	9.03	89.01

S. No	Generating Stations	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
37	NCE Solar	175.45	160.91	146.85	114.61	150.16	142.02	132.10	120.49	135.41	187.15	177.69	180.37	1823.21
38	NCE WIND	134.55	183.43	419.56	607.34	404.06	320.86	65.66	91.66	92.52	97.77	107.12	107.05	2631.59
39	JNNSM PH 1 SOLAR	1.28	2.57	1.06	0.89	0.99	1.04	1.98	1.05	0.19	0.90	1.95	3.30	17.20
40	JNNSM PH 2 SOLAR	68.15	101.80	106.69	74.37	58.30	87.28	73.23	83.93	79.38	97.51	116.51	110.91	1058.05
41	SECI 3000 MW APRAPL	0.00	0.00	0.00	0.00	0.00	0.00	203.99	202.90	209.78	230.70	217.32	227.91	1292.61
	NCE TOTAL	387.64	455.25	681.01	805.28	615.34	552.89	487.17	508.27	526.45	624.42	629.35	638.58	6911.67
	Others													
42	APPDCL Stage-I	231.65	222.52	216.48	226.55	252.29	227.36	223.79	203.47	230.14	253.10	230.19	250.04	2767.59
43	APPDCL Stage-II	116.75	112.15	109.11	114.18	113.85	114.59	112.79	112.19	116.00	127.56	116.02	126.02	1391.23
44	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	SEIL P1 (Formerly Thermal Powertech)	64.91	62.35	60.66	63.48	70.69	63.71	62.71	62.37	64.49	70.92	64.50	70.06	780.84
46	SEIL P1 (625MW)	158.36	152.12	148.00	154.88	172.48	155.43	152.99	152.18	157.34	173.03	157.37	170.93	1905.11
47	SEIL P2 (500MW Firm)	140.77	135.22	65.78	137.67	153.31	138.16	135.99	135.27	139.85	153.80	139.88	151.94	1627.65
48	SEIL P2 (125MW Open Cap)	35.19	33.81	16.44	0.00	38.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.77
49	HNPCL	165.58	159.05	154.74	161.93	180.33	162.51	159.96	159.11	164.50	180.91	164.54	178.72	1991.88
	Others Total	913.20	877.23	771.21	858.69	981.29	861.77	848.23	824.59	872.32	959.31	872.50	947.71	10588.06
50	NET SHORTTERM	124.58	0.00	37.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	162.03
	GRAND TOTAL	2796.30	2600.75	2688.38	2498.57	3121.28	2706.61	2422.17	2463.98	2337.09	2762.71	2779.77	2989.40	32167.00

ANNEXURE – 06 (B)
FILING: ENERGY DESPATCH (MU) FOR FY2024-25 – APCPDCL

S. No	Generating Station	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
AP Genco-Therma														
1	Dr. NTPPS	146.47	158.70	147.39	74.34	146.34	143.34	145.85	140.21	146.00	143.53	128.24	146.08	1666.47
2	Dr. NTPPS-IV	59.08	64.02	59.45	59.54	59.03	57.82	58.83	56.56	38.93	57.89	51.73	58.92	681.80
3	Dr. NTPPS-V	96.32	104.36	96.92	97.07	96.23	94.26	95.91	92.20	58.84	94.38	84.33	96.06	1106.89
4	RTPP Stage-I	33.57	36.37	33.78	0.00	33.54	32.85	3.86	32.13	0.00	0.00	29.39	33.48	268.95
5	RTPP Stage-II	36.62	39.68	36.85	0.00	36.58	17.56	0.00	6.14	0.00	0.00	32.06	36.52	242.01
6	RTPP Stage-III	18.31	19.84	18.42	0.00	15.65	0.00	0.00	0.00	0.00	0.00	1.11	12.20	85.53
7	RTPP Stage-IV	58.69	63.60	59.06	0.00	58.64	57.44	0.00	56.19	29.72	33.11	51.39	58.54	526.37
	AP Genco-Thermal Total	449.04	486.56	451.88	230.96	446.00	403.26	304.45	383.43	273.49	328.91	378.23	441.81	4578.02
AP Genco - Hydrel														
8	Srisailam RCPH	4.44	0.70	0.45	4.76	53.61	49.48	48.30	17.41	6.63	9.04	11.44	8.13	214.38
9	NSRCPH	0.22	0.00	0.00	0.43	2.14	5.21	4.92	4.88	3.85	2.94	1.66	1.07	27.34
10	NSTPDC PH	0.22	0.23	0.22	0.65	1.93	3.26	3.63	2.97	1.50	0.63	0.62	0.86	16.73
11	Upper Sileru	10.42	7.44	5.58	6.49	7.50	7.60	8.33	8.07	7.49	9.67	10.61	13.70	102.91
12	Lower Sileru	20.62	15.81	12.72	19.47	20.16	19.97	20.94	18.26	19.55	20.19	21.22	24.19	233.09
13	Donkarayi	1.55	1.40	1.12	1.73	1.50	1.95	2.35	1.91	1.93	1.68	1.87	1.93	20.92
14	PABM	0.00	0.00	0.00	0.00	0.13	0.22	0.36	0.25	0.23	0.10	0.06	0.05	1.40
15	Minihydrel(Chettipet)	0.03	0.00	0.01	0.08	0.06	0.07	0.01	0.01	0.06	0.08	0.06	0.08	0.57
	AP Genco Hydrel Total	37.51	25.58	20.10	33.61	87.04	87.75	88.85	53.76	41.23	44.34	47.55	50.01	617.32
Inter State - Hydrel														
16	Machkund AP Share	5.77	6.51	5.69	6.16	6.65	5.21	5.34	5.10	5.46	5.68	5.30	5.35	68.22
17	TB Dam AP Share	0.67	0.00	0.00	0.87	4.29	4.34	4.27	3.82	2.57	2.52	2.08	1.93	27.35

S. No	Generating Station	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
	Inter State - Hydel Total	6.43	6.51	5.69	7.03	10.94	9.55	9.62	8.92	8.02	8.20	7.39	7.28	95.57
	APGENCO-TOTAL	492.98	518.65	477.67	271.59	543.98	500.56	402.91	446.11	322.74	381.46	433.16	499.09	5290.92
	CG Station													
18	NTPC(SR) Ramagundam I & II	41.37	41.71	41.76	41.83	41.46	40.61	41.32	39.73	36.64	34.67	34.72	41.49	477.31
19	NTPC(SR) Simhadri Stage-I	65.92	71.43	66.34	66.44	65.86	64.51	65.64	41.02	56.17	64.60	57.72	65.75	751.41
20	NTPC(SR) Simhadri Stage-II	30.96	33.55	22.85	16.61	30.94	30.30	30.83	29.64	30.86	30.34	27.11	30.88	344.88
21	NTPC(SR) Talcher Stage-II	25.71	27.85	25.87	25.91	25.68	25.16	25.60	18.46	21.70	18.89	22.51	25.64	288.95
22	NTPC(SR) Ramagundam III	10.56	11.44	10.63	3.43	7.49	10.33	10.51	10.11	10.53	10.35	9.25	10.53	115.16
23	NTPC Kudgi Stage-I	32.02	30.99	21.48	0.00	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.18
24	NTECL Valluru	12.56	13.61	9.83	0.00	12.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.54
25	NLC Stage-I	6.04	7.32	6.80	4.80	6.75	4.48	3.82	5.18	6.52	6.62	5.29	6.02	69.64
26	NLC Stage-II	11.07	13.40	9.60	12.46	9.62	12.10	11.92	10.37	9.20	9.09	9.52	11.04	129.38
27	NPC(MAPS)	1.74	1.90	1.76	1.77	1.75	1.07	1.74	1.67	1.75	1.72	1.53	1.75	20.14
28	NPC(KAIGA unit I,II,III,IV)	14.26	15.50	14.35	14.41	14.29	10.68	9.81	6.83	9.70	10.72	9.58	10.91	141.04
29	NTPL(NLC TamilNadu)	16.94	11.85	10.50	15.15	16.92	16.57	16.87	16.21	16.88	16.60	14.83	16.89	186.22
30	NLC NNTPS	7.93	4.29	6.12	7.67	7.00	6.82	7.10	6.83	4.80	7.65	6.82	7.78	80.80
31	KKNPP Unit-I	0.17	0.29	0.27	0.27	0.26	0.26	0.26	0.25	0.26	0.26	0.23	0.26	3.04
32	NLC TPS- I Expn.	0.34	0.36	0.17	0.27	0.34	0.33	0.19	0.31	0.33	0.33	0.30	0.34	3.61
33	NLC TPS- II Expn.	0.30	0.17	0.31	0.31	0.16	0.30	0.16	0.29	0.16	0.30	0.27	0.31	3.03
34	NTPC Telangana STPS - I	1.02	1.11	1.03	0.00	1.02	1.00	1.02	0.98	1.02	1.00	0.90	1.02	11.13
35	JNNSM Ph-1 Thermal	5.62	5.96	4.75	4.87	5.49	5.50	5.60	5.11	4.68	5.11	4.85	5.61	63.15
	CGS TOTAL	284.52	292.72	254.40	216.20	249.26	230.04	232.40	192.99	211.19	218.25	205.41	236.23	2823.60
	NCE													
36	NCE- Others	4.66	4.18	4.18	4.72	0.95	0.95	5.97	4.66	5.22	5.28	4.38	4.73	49.89

S. No	Generating Station	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
37	NCE Solar	99.51	102.94	89.69	66.98	78.13	80.31	77.22	68.08	77.05	95.20	88.79	94.53	1018.43
38	NCE WIND	76.31	117.35	256.23	354.97	210.22	181.45	38.39	51.79	52.64	49.73	53.53	56.10	1498.72
39	JNNSM PH 1 SOLAR	0.73	1.65	0.65	0.52	0.51	0.59	1.16	0.59	0.11	0.46	0.97	1.73	9.66
40	JNNSM PH 2 SOLAR	38.65	65.13	65.16	43.47	30.33	49.36	42.81	47.42	45.17	49.60	58.22	58.12	593.43
41	SECI 3000 MW APRAPL	0.00	0.00	0.00	0.00	0.00	0.00	119.25	114.64	119.37	117.35	108.59	119.44	698.65
	NCE Total	219.85	291.25	415.90	470.66	320.15	312.66	284.80	287.18	299.56	317.62	314.49	334.66	3868.78
	Others													
42	APPDCL Stage-I	131.38	142.36	132.21	132.41	131.26	128.57	130.82	114.97	130.96	128.74	115.03	131.04	1549.75
43	APPDCL Stage-II	66.22	71.75	66.64	66.74	59.24	64.80	65.94	63.39	66.00	64.89	57.98	66.04	779.61
44	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	SEIL P1 (Formerly Thermal Powertech)	36.81	39.89	37.05	37.10	36.78	36.03	36.66	35.24	36.69	36.07	32.23	36.72	437.27
46	SEIL P1 (625MW)	89.82	97.32	90.38	90.52	89.74	87.90	89.44	85.98	89.53	88.01	78.64	89.58	1066.86
47	SEIL P2 (500MW Firm)	79.84	86.51	40.17	80.46	79.77	78.13	79.50	76.43	79.58	78.23	69.90	79.63	908.15
48	SEIL P2 (125MW Open Cap)	19.96	21.63	10.04	0.00	19.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.57
49	HNPCL	93.91	101.75	94.50	94.64	93.82	91.90	93.51	89.90	93.61	92.02	82.22	93.66	1115.45
	Others Total	517.93	561.21	470.99	501.88	510.55	487.33	495.86	465.90	496.37	487.97	435.99	496.67	5928.65
50	NET SHORTTERM	70.65	0	22.87	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	93.53
	Total	1585.95	1663.83	1641.83	1460.33	1623.93	1530.58	1415.98	1392.18	1329.87	1405.30	1389.05	1566.64	18005.4

ANNEXURE – 06 (C)
FILING: ENERGY DESPATCH (MU) FOR FY2024-25 – APEPDCL

S. No	Generating Station	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
	APGenco-Thermal							Ex-bus						
1	Dr. NTPPS	255.73	275.68	271.71	142.16	254.86	263.64	287.13	272.07	279.89	256.77	231.55	257.63	3048.81
2	Dr. NTPPS-IV	103.15	111.20	109.60	113.86	102.80	106.34	115.82	109.75	74.64	103.57	93.40	103.92	1248.05
3	Dr. NTPPS-V	168.17	181.29	178.67	185.62	167.59	173.37	188.81	178.91	112.81	168.85	152.27	169.41	2025.78
4	RTPP Stage-I	58.60	63.18	62.27	0.00	58.41	60.42	7.60	62.35	0.00	0.00	53.06	59.04	484.93
5	RTPP Stage-II	63.93	68.92	67.93	0.00	63.71	32.31	0.00	11.92	0.00	0.00	57.89	64.41	431.02
6	RTPP Stage-III	31.97	34.46	33.96	0.00	27.26	0.00	0.00	0.00	0.00	0.00	2.00	21.52	151.17
7	RTPP Stage-IV	102.48	110.47	108.88	0.00	102.13	105.65	0.00	109.03	56.98	59.23	92.79	103.24	950.86
	AP Genco-Thermal Total	784.03	845.20	833.02	441.64	776.76	741.73	599.36	744.03	524.32	588.42	682.96	779.17	8340.62
	AP Genco - Hydel													
8	Srisailam RCPH	7.74	1.21	0.82	9.10	93.36	91.01	95.08	33.78	12.71	16.18	20.66	14.35	396.02
9	NSRCPH	0.39	0.00	0.00	0.83	3.73	9.58	9.68	9.48	7.38	5.27	3.01	1.89	51.22
10	NSTPDC PH	0.39	0.40	0.41	1.24	3.36	5.99	7.15	5.77	2.87	1.13	1.13	1.51	31.35
11	Upper Sileru	18.20	12.93	10.29	12.41	13.07	13.97	16.41	15.65	14.35	17.31	19.16	24.16	187.90
12	Lower Sileru	36.01	27.47	23.45	37.23	35.10	36.72	41.23	35.43	37.47	36.12	38.32	42.66	427.21
13	Donkarayi	2.71	2.42	2.06	3.31	2.61	3.59	4.63	3.71	3.69	3.01	3.38	3.40	38.52
14	PABM	0.00	0.00	0.00	0.00	0.23	0.40	0.71	0.48	0.44	0.18	0.10	0.09	2.64
15	Minihydel(Chettipet)	0.05	0.00	0.03	0.16	0.11	0.13	0.03	0.02	0.11	0.15	0.11	0.14	1.04
	AP Genco Hydel Total	65.49	44.43	37.06	64.28	151.57	161.39	174.92	104.32	79.02	79.35	85.87	88.20	1135.90
	Inter State - Hydel													
16	Machkund AP Share	10.07	11.31	10.49	11.79	11.58	9.58	10.52	9.89	10.46	10.16	9.58	9.44	124.85
17	TB Dam AP Share	1.16	0.00	0.00	1.65	7.47	7.98	8.41	7.42	4.92	4.51	3.76	3.40	50.69

S. No	Generating Station	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
	Inter State - Hydel Total	11.23	11.31	10.49	13.44	19.05	17.56	18.93	17.31	15.38	14.67	13.34	12.84	175.54
	APGENCO-TOTAL	860.75	900.94	880.57	519.36	947.38	920.68	793.21	865.66	618.72	682.44	782.17	880.21	9652.06
	CG Stations													
18	NTPC(SR) Ramagundam I & II	72.23	72.45	76.99	79.98	72.21	74.70	81.35	77.09	70.24	62.02	62.70	73.18	875.13
19	NTPC(SR) Simhadri Stage-I	115.10	124.08	122.29	127.05	114.71	118.66	129.23	79.60	107.69	115.57	104.22	115.96	1374.16
20	NTPC(SR) Simhadri Stage-II	54.06	58.28	42.12	31.76	53.88	55.73	60.70	57.52	59.17	54.28	48.95	54.46	630.92
21	NTPC(SR) Talcher Stage-II	44.88	48.38	47.69	49.54	44.73	46.27	50.39	35.81	41.59	33.80	40.64	45.21	528.94
22	NTPC(SR) Ramagundam III	18.44	19.88	19.59	6.56	13.04	19.01	20.70	19.62	20.18	18.51	16.69	18.57	210.79
23	NTPC Kudgi Stage-I	55.90	53.84	39.60	0.00	2.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	152.27
24	NTECL Valluru	21.92	23.63	18.12	0.00	21.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.52
25	NLC Stage-I	10.55	12.71	12.53	9.18	11.75	8.24	7.52	10.06	12.50	11.84	9.56	10.62	127.06
26	NLC Stage-II	19.32	23.28	17.70	23.83	16.76	22.26	23.47	20.12	17.63	16.26	17.18	19.47	237.27
27	NPC(MAPS)	3.05	3.30	3.24	3.38	3.05	1.98	3.43	3.24	3.35	3.07	2.76	3.08	36.92
28	NPC(KAIGA unit I,II,III,IV)	24.90	26.92	26.46	27.56	24.88	19.65	19.32	13.25	18.59	19.18	17.29	19.24	257.24
29	NTPL(NLC TamilNadu)	29.57	20.58	19.36	28.97	29.47	30.49	33.20	31.46	32.37	29.69	26.77	29.79	341.74
30	NLC NNTPS	13.84	7.45	11.28	14.67	12.18	12.54	13.97	13.25	9.21	13.68	12.32	13.73	148.11
31	KKNPP Unit-I	0.30	0.50	0.49	0.51	0.46	0.47	0.52	0.49	0.50	0.46	0.42	0.46	5.58
32	NLC TPS- I Expn.	0.59	0.63	0.31	0.51	0.59	0.60	0.38	0.61	0.63	0.60	0.54	0.60	6.58
33	NLC TPS- II Expn.	0.53	0.30	0.57	0.59	0.27	0.55	0.31	0.57	0.30	0.54	0.48	0.54	5.55
34	NTPC Telangana STPS - I	1.79	1.93	1.90	0.00	1.78	1.84	2.01	1.90	1.96	1.79	1.62	1.80	20.32
35	JNNSM Ph-1 Thermal	9.81	10.35	8.75	9.32	9.57	10.12	11.02	9.91	8.97	9.15	8.77	9.90	115.62
	CGS TOTAL	496.78	508.49	468.99	413.41	434.11	423.11	457.52	374.50	404.88	390.44	370.91	416.61	5159.72
	NCE													
36	NCE- Others	8.13	7.27	7.71	9.02	1.66	1.75	11.76	9.04	10.01	9.45	7.91	8.35	92.06

S. No	Generating Station	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
37	NCE Solar	173.74	178.82	165.33	128.09	136.07	147.72	152.02	132.10	147.72	170.31	160.33	166.71	1858.96
38	NCE WIND	133.24	203.84	472.35	678.79	366.13	333.73	75.57	100.49	100.93	88.98	96.66	98.94	2749.65
39	JNNSM PH 1 SOLAR	1.27	2.86	1.20	0.99	0.89	1.08	2.28	1.15	0.20	0.82	1.76	3.05	17.56
40	JNNSM PH 2 SOLAR	67.48	113.13	120.11	83.12	52.83	90.78	84.27	92.02	86.59	88.74	105.12	102.51	1086.71
41	SECI 3000 MW APRAPL	0.00	0.00	0.00	0.00	0.00	0.00	234.76	222.46	228.85	209.95	196.09	210.65	1302.75
	NCE TOTAL	383.86	505.92	766.70	900.01	557.58	575.06	560.66	557.26	574.30	568.25	567.87	590.21	7107.69
	Others													
42	APPDCL Stage-I	229.39	247.29	243.72	253.20	228.61	236.48	257.55	223.09	251.06	230.33	207.70	231.09	2839.51
43	APPDCL Stage-II	115.62	124.63	122.84	127.62	103.17	119.19	129.81	123.00	126.54	116.09	104.68	116.47	1429.65
44	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	SEIL P1 (Formerly Thermal Powertech)	64.28	69.29	68.29	70.95	64.06	66.26	72.17	68.38	70.35	64.54	58.20	64.75	801.51
46	SEIL P1 (625MW)	156.82	169.05	166.62	173.10	156.29	161.67	176.07	166.84	171.64	157.46	141.99	157.98	1955.54
47	SEIL P2 (500MW Firm)	139.40	150.27	74.05	153.87	138.92	143.71	156.51	148.30	152.57	139.96	126.22	140.43	1664.20
48	SEIL P2 (125MW Open Cap)	34.85	37.57	18.51	0.00	34.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.66
49	HNPCL	163.96	176.75	174.21	180.98	163.40	169.03	184.09	174.44	179.45	164.63	148.46	165.18	2044.60
	Others TOTAL	904.32	974.85	868.24	959.72	889.18	896.34	976.20	904.05	951.61	873.01	787.25	875.90	10860.67
50	NET SHORTTERM	123.36	0.00	42.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.53
	GRAND TOTAL	2769.07	2890.20	3026.66	2792.50	2828.25	2815.19	2787.59	2701.47	2549.51	2514.14	2508.20	2762.93	32945.67

ANNEXURE – 06 (D)
FILING: ENERGY DESPATCH (MU) FOR FY2024-25 – APDISCOMs

S. No	Generating Stations	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
AP Genco Thermal														
1	Dr. NTPPS	660.44	682.46	660.44	343.69	682.46	660.44	682.46	660.44	682.46	682.45	616.41	682.46	7696.61
2	Dr. NTPPS-IV	266.40	275.28	266.40	275.28	275.28	266.40	275.28	266.40	182.00	275.28	248.64	275.28	3147.92
3	Dr. NTPPS-V	434.31	448.78	434.30	448.78	448.78	434.31	448.78	434.30	275.06	448.78	405.35	448.78	5110.31
4	RTPP Stage-I	151.35	156.40	151.35	0.00	156.40	151.35	18.07	151.35	0.00	0.00	141.26	156.40	1233.93
5	RTPP Stage-II	165.11	170.61	165.11	0.00	170.61	80.93	0.00	28.94	0.00	0.00	154.11	170.62	1106.04
6	RTPP Stage-III	82.56	85.31	82.55	0.00	73.00	0.00	0.00	0.00	0.00	0.00	5.33	57.00	385.75
7	RTPP Stage-IV	264.66	273.47	264.65	0.00	273.48	264.66	0.00	264.66	138.93	157.43	247.01	273.48	2422.41
	AP Genco-Thermal Total	2024.82	2092.31	2024.82	1067.75	2080.00	1858.09	1424.59	1806.09	1278.45	1563.94	1818.11	2064.01	21102.96
AP Genco Hydel														
8	Srisailam RCPH	20.00	3.00	2.00	22.00	250.00	228.00	226.00	82.00	31.00	43.00	55.00	38.00	1000.00
9	NSRCPH	1.00	0.00	0.00	2.00	10.00	24.00	23.00	23.00	18.00	14.00	8.00	5.00	128.00
10	NSTPDC PH	1.00	1.00	1.00	3.00	9.00	15.00	17.00	14.00	7.00	3.00	3.00	4.00	78.00
11	Upper Sileru	47.00	32.00	25.00	30.00	35.00	35.00	39.00	38.00	35.00	46.00	51.00	64.00	477.00
12	Lower Sileru	93.00	68.00	57.00	90.00	94.00	92.00	98.00	86.00	91.36	96.00	102.00	113.00	1080.37
13	Donkarayi	7.00	6.00	5.00	8.00	7.00	9.00	11.00	9.00	9.00	8.00	9.00	9.00	97.00
14	PABM	0.00	0.00	0.00	0.00	0.62	1.01	1.69	1.17	1.07	0.47	0.27	0.24	6.54
15	Minihydel(Chettipet)	0.13	0.00	0.07	0.38	0.30	0.33	0.07	0.05	0.28	0.39	0.28	0.37	2.65
	AP Genco Hydel Total	169.13	110.00	90.07	155.39	405.90	404.32	415.76	253.22	192.70	210.87	228.57	233.62	2869.56
Inter State - Hydel														
16	Machkund AP Share	26.00	28.00	25.50	28.50	31.00	24.00	25.00	24.00	25.50	27.00	25.50	25.00	315.00
17	TB Dam AP Share	3.00	0.00	0.00	4.00	20.00	20.00	20.00	18.00	12.00	12.00	10.00	9.00	128.00

S. No	Generating Stations	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
	Inter State - Hydel Total	29.00	28.00	25.50	32.50	51.00	44.00	45.00	42.01	37.50	39.00	35.50	34.00	443.00
	APGENCO-TOTAL	2222.95	2230.31	2140.39	1255.64	2536.91	2306.41	1885.35	2101.32	1508.65	1813.81	2082.18	2331.64	24415.52
	CG Stations													
18	NTPC(SR) Ramagundam I & II	186.54	179.35	187.13	193.37	193.37	187.13	193.36	187.13	171.27	164.84	166.91	193.85	2204.24
19	NTPC(SR) Simhadri Stage-I	297.26	307.17	297.25	307.17	307.17	297.26	307.16	193.22	262.58	307.17	277.44	307.17	3468.01
20	NTPC(SR) Simhadri Stage-II	139.62	144.27	102.38	76.79	144.27	139.61	144.27	139.62	144.27	144.27	130.31	144.27	1593.98
21	NTPC(SR) Talcher Stage-II	115.91	119.77	115.91	119.77	119.77	115.91	119.77	86.93	101.42	89.83	108.18	119.77	1332.96
22	NTPC(SR) Ramagundam III	47.62	49.21	47.62	15.87	34.92	47.62	49.20	47.62	49.20	49.20	44.44	49.20	531.70
23	NTPC Kudgi Stage-I	144.37	133.28	96.25	0.00	7.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	381.76
24	NTECL Valluru	56.62	58.50	44.04	0.00	58.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	217.67
25	NLC Stage-I	27.25	31.47	30.46	22.19	31.47	20.64	17.87	24.42	30.47	31.47	25.44	28.13	321.29
26	NLC Stage-II	49.90	57.63	43.02	57.62	44.87	55.76	55.78	48.83	42.98	43.22	45.74	51.57	596.92
27	NPC(MAPS)	7.87	8.17	7.87	8.17	8.16	4.95	8.16	7.87	8.17	8.16	7.35	8.16	93.05
28	NPC(KAIGA unit I,II,III,IV)	64.31	66.64	64.31	66.63	66.63	49.22	45.91	32.16	45.33	50.98	46.03	50.97	649.13
29	NTPL(NLC TamilNadu)	76.37	50.95	47.06	70.04	78.92	76.37	78.92	76.37	78.92	78.92	71.26	78.92	863.05
30	NLC NNTPS	35.74	18.45	27.41	35.47	32.62	31.41	33.21	32.16	22.45	36.36	32.79	36.37	374.43
31	KKNPP Unit-I	0.77	1.23	1.19	1.23	1.23	1.18	1.23	1.19	1.23	1.23	1.11	1.23	14.06
32	NLC TPS- I Expn.	1.52	1.56	0.76	1.24	1.57	1.51	0.90	1.48	1.53	1.59	1.43	1.59	16.67
33	NLC TPS- II Expn.	1.37	0.74	1.38	1.43	0.72	1.38	0.74	1.38	0.73	1.43	1.29	1.43	14.01
34	NTPC Telangana STPS - I	4.62	4.77	4.62	0.00	4.77	4.61	4.77	4.61	4.77	4.77	4.31	4.77	51.40
35	JNNSM Ph-1 Thermal	25.33	25.62	21.27	22.54	25.62	25.35	26.19	24.06	21.87	24.31	23.34	26.22	291.70
	CGS TOTAL	1282.97	1258.77	1139.94	999.51	1162.46	1059.93	1087.47	909.05	987.21	1037.75	987.38	1103.61	13016.01
	NCE													
36	NCE- Others	21.00	17.99	18.74	21.81	4.44	4.39	27.96	21.94	24.40	25.12	21.06	22.11	230.96

S. No	Generating Stations	Energy Dispatch (MU)												
		Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Total
37	NCE Solar	448.69	442.68	401.87	309.68	364.36	370.05	361.34	320.66	360.19	452.66	426.81	441.61	4700.60
38	NCE WIND	344.11	504.62	1148.14	1641.10	980.41	836.04	179.62	243.94	246.09	236.49	257.31	262.09	6879.96
39	JNNSM PH 1 SOLAR	3.28	7.08	2.91	2.39	2.39	2.71	5.42	2.79	0.49	2.18	4.68	8.09	44.43
40	JNNSM PH 2 SOLAR	174.28	280.06	291.95	200.96	141.47	227.41	200.30	223.38	211.14	235.85	279.84	271.54	2738.19
41	SECI 3000 MW APRAPL	0.00	0.00	0.00	0.00	0.00	0.00	558.00	540.00	558.00	558.00	522.00	558.00	3294.00
	NCE TOTAL	991.36	1252.42	1863.61	2175.96	1493.07	1440.60	1332.63	1352.71	1400.31	1510.30	1511.71	1563.45	17888.14
	Others													
42	APPDCL Stage-I	592.42	612.17	592.41	612.16	612.17	592.41	612.16	541.53	612.16	612.17	552.92	612.16	7156.84
43	APPDCL Stage-II	298.59	308.53	298.59	308.54	276.26	298.58	308.54	298.58	308.54	308.54	278.67	308.53	3600.49
44	Godavari Gas Power Plant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	SEIL P1 (Formerly Thermal Powertech)	166.00	171.53	165.99	171.53	171.53	165.99	171.53	165.99	171.53	171.53	154.93	171.53	2019.62
46	SEIL P1 (625MW)	405.00	418.50	405.00	418.50	418.50	405.00	418.50	405.00	418.50	418.50	378.00	418.50	4927.50
47	SEIL P2 (500MW Firm)	360.00	372.00	180.00	372.00	372.00	360.00	372.00	360.00	372.00	372.00	336.00	372.00	4200.00
48	SEIL P2 (125MW Open Cap)	90.00	93.00	45.00	0.00	93.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	321.00
49	HNPCL	423.44	437.56	423.45	437.56	437.56	423.44	437.56	423.44	437.56	437.56	395.22	437.56	5151.93
	Others Total	2335.45	2413.28	2110.44	2320.29	2381.02	2245.44	2320.29	2194.54	2320.30	2320.30	2095.75	2320.28	27377.38
50	NET SHORTTERM	318.59	0.00	102.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	421.09
	GRAND TOTAL	7151.32	7154.78	7356.87	6751.40	7573.46	7052.38	6625.74	6557.63	6216.47	6682.15	6677.02	7318.97	83118.15

ANEXURE – 07 (A)
APPROVED: ENERGY DESPATCH (MU) FOR FY 2023-24 – APSPDCL

S. No.	Sources	Variable cost per unit	Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 25	Feb- 25	Mar- 25	FY TOTAL
1	Srisailam RCPH	0.00	36.84	25.17	22.18	33.13	93.90	94.90	108.14	62.75	37.83	41.09	46.21	48.14	650.28
2	NSRCPH	0.00	4.31	2.94	2.59	3.87	10.98	11.09	12.64	7.33	4.42	4.80	5.40	5.63	76.01
3	NSTPDC PH	0.00	2.39	1.63	1.44	2.15	6.10	6.16	7.02	4.07	2.46	2.67	3.00	3.13	42.23
4	Upper Sileru	0.00	11.48	7.85	6.91	10.33	29.27	29.58	33.71	19.56	11.79	12.81	14.40	15.01	202.69
5	Lower Sileru	0.00	22.01	15.04	13.25	19.79	56.10	56.69	64.60	37.49	22.60	24.55	27.61	28.76	388.48
6	Donkarayi	0.00	1.20	0.82	0.72	1.08	3.05	3.08	3.51	2.04	1.23	1.33	1.50	1.56	21.11
7	PABM	0.00	0.96	0.65	0.58	0.86	2.44	2.46	2.81	1.63	0.98	1.07	1.20	1.25	16.89
8	Minihydel(Chettipet)	0.00	0.05	0.03	0.03	0.04	0.12	0.12	0.14	0.08	0.05	0.05	0.06	0.06	0.84
9	Machkund AP Share	0.00	2.87	1.96	1.73	2.58	7.32	7.39	8.43	4.89	2.95	3.20	3.60	3.75	50.67
10	TB Dam AP Share	0.00	2.76	1.88	1.66	2.48	7.02	7.10	8.09	4.69	2.83	3.07	3.46	3.60	48.64
11	NPC(MAPS)	2.55	3.76	3.61	3.51	3.68	4.08	3.68	3.66	3.64	3.74	4.09	3.72	4.05	45.22
12	NPC(KAIGA unit I,II,III,IV)	3.50	23.70	22.79	22.15	23.21	25.73	23.18	23.09	22.94	23.59	25.80	23.47	25.54	285.17
13	NCE- Others	6.11	11.24	10.81	10.50	11.00	12.20	10.99	10.95	10.88	11.19	12.24	11.13	12.11	135.23
14	NCE Solar	3.82	255.97	252.89	239.40	216.39	240.45	207.41	392.42	410.91	401.28	477.57	501.65	552.82	4,149.17
15	NCE WIND	4.70	132.05	232.47	352.30	396.73	455.08	262.37	84.96	89.99	107.04	122.15	128.15	151.79	2,515.08
16	NTPC Kudgi Stage-I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	NTECL Valluru		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	NLC NNTPS		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	NTPL(NLC TamilNadu)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	KKNPP Unit-I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	NLC TPS- I Expn.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	NLC TPS- II Expn.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annexure-07

S. No.	Sources	Variable cost per unit	Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 25	Feb- 25	Mar- 25	FY TOTAL
23	NTPC Telangana STPS - I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTPC(SR) Talcher Stage-II	1.85	38.49	37.02	35.97	37.70	41.79	37.66	37.51	37.26	38.32	41.92	38.12	41.48	463.24
25	SEIL P1 (625MW)	2.47	133.44	128.32	124.70	130.68	144.86	130.55	130.03	129.17	132.83	145.30	132.14	143.80	1,605.81
26	SEIL P2 (500MW Firm)	2.47	98.32	94.55	91.89	96.29	106.74	96.19	95.81	95.18	97.87	107.06	97.36	105.96	1,183.23
27	SEIL P1 (230MW)	2.56	55.06	52.95	51.46	53.92	59.78	53.87	53.66	53.30	54.81	59.96	54.53	59.34	662.65
28	NLC Stage-I	3.20	10.35	9.95	9.67	10.13	11.23	10.12	10.08	10.02	10.30	11.27	10.25	11.15	124.54
29	NLC Stage-II	3.20	18.46	17.75	17.25	18.07	20.04	18.06	17.98	17.87	18.37	20.10	18.28	19.89	222.10
30	NTPC(SR) Simhadri Stage-II	3.42	46.70	44.90	43.64	45.73	50.69	45.68	45.50	45.20	46.48	50.85	46.24	50.32	561.93
31	NTPC(SR) Simhadri Stage-I	3.45	100.66	96.80	94.07	98.58	109.28	98.48	98.09	97.44	100.20	109.61	99.68	108.48	1,211.35
32	APPDCL Stage-I	3.30	226.94	218.24	212.08	222.24	246.37	222.02	221.14	219.69	225.90	247.11	224.73	244.57	2,731.03
33	APPDCL Stage-II	3.30	127.09	122.21	118.77	124.46	137.97	124.33	123.84	123.03	126.51	138.39	125.85	136.96	1,529.41
34	HNPCL	3.30	165.22	158.88	154.40	161.80	179.36	161.63	160.99	159.93	164.46	179.90	163.61	178.05	1,988.23
35	Dr. NTPS-V	3.30	158.86	152.77	148.46	155.57	172.46	155.42	154.80	153.78	158.14	172.98	157.31	171.20	1,911.76
36	NTPC(SR) Ramagundam III	3.60	15.86	15.25	14.82	15.53	17.22	15.52	15.46	15.35	15.79	17.27	15.71	17.09	190.88
37	NTPC(SR) Ramagundam I & II	3.65	67.54	64.95	63.11	66.14	73.32	66.07	65.81	65.38	67.23	73.54	66.88	72.78	812.74
38	Dr. NTPS-IV	3.60	110.44	106.20	103.21	108.15	119.89	108.04	107.61	106.91	109.93	120.25	109.36	119.02	1,329.02
39	Dr. NTPS	3.90	241.58	232.31	225.76	236.58	262.26	236.34	235.40	233.86	240.48	263.05	239.23	260.35	2,907.20
40	RTPP Stage-IV	4.10	111.20	106.94	103.92	108.90	120.72	108.79	54.68	107.65	49.14	121.09	110.12	119.84	1,222.99
41	RTPP Stage-III	4.40	40.26	38.72	37.63	17.37	43.71	39.39	0.00	38.98	0.00	43.84	39.87	43.39	383.16
42	RTPP Stage-I	4.40	75.16	72.28	70.24	0.00	81.59	73.53	0.00	36.58	0.00	17.93	74.43	81.00	582.73
43	RTPP Stage-II	4.40	85.90	82.60	80.27	0.00	60.91	84.03	0.00	0.00	0.00	0.00	85.06	61.97	540.72
44	SEIL P2 (125MW Open Cap)	4.40	24.58	23.64	22.97	0.00	0.00	5.16	0.00	0.00	0.00	0.00	7.60	0.00	83.96
45	JNNSM Ph-1 Thermal	5.37	8.49	8.17	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.59
46	Godavari Gas Power Plant	7.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	Market Purchases	7.04	237.24	60.69	95.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	393.20
	Total Despatch		2,709.4	2,526.6	2,606.4	2,435.1	3,014.0	2,617.1	2,392.5	2,429.4	2,290.7	2,677.9	2,690.9	2,903.8	31,294.

ANNEXURE – 07 (B)

APPROVED: ENERGY DESPATCH (MU) FOR FY 2023-24 – APCPDCL

S. No.	Sources	Variable cost per unit	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-24	Feb-24	Mar-24	FY TOTAL
1	Srisailam RCPH	0.00	20.68	15.90	13.40	19.06	48.50	53.20	61.48	34.55	21.11	20.71	22.91	24.94	356.46
2	NSRCPH	0.00	2.42	1.86	1.57	2.23	5.67	6.22	7.19	4.04	2.47	2.42	2.68	2.91	41.66
3	NSTPDC PH	0.00	1.34	1.03	0.87	1.24	3.15	3.45	3.99	2.24	1.37	1.35	1.49	1.62	23.15
4	Upper Sileru	0.00	6.45	4.96	4.18	5.94	15.12	16.58	19.16	10.77	6.58	6.46	7.14	7.77	111.10
5	Lower Sileru	0.00	12.36	9.50	8.01	11.39	28.98	31.78	36.73	20.64	12.61	12.37	13.68	14.90	212.95
6	Donkarayi	0.00	0.67	0.52	0.44	0.62	1.57	1.73	2.00	1.12	0.69	0.67	0.74	0.81	11.57
7	PABM	0.00	0.54	0.41	0.35	0.50	1.26	1.38	1.60	0.90	0.55	0.54	0.59	0.65	9.26
8	Minihydel(Chettipet)	0.00	0.03	0.02	0.02	0.02	0.06	0.07	0.08	0.04	0.03	0.03	0.03	0.03	0.46
9	Machkund AP Share	0.00	1.61	1.24	1.04	1.49	3.78	4.15	4.79	2.69	1.65	1.61	1.78	1.94	27.78
10	TB Dam AP Share	0.00	1.55	1.19	1.00	1.43	3.63	3.98	4.60	2.58	1.58	1.55	1.71	1.87	26.66
11	NPC(MAPS)	2.55	2.11	2.28	2.12	2.12	2.11	2.06	2.08	2.00	2.09	2.06	1.84	2.10	24.98
12	NPC(KAIGA unit I,II,III,IV)	3.50	13.30	14.40	13.39	13.35	13.29	13.00	13.13	12.63	13.17	13.01	11.63	13.23	157.52
13	NCE- Others	6.11	6.31	6.83	6.35	6.33	6.30	6.16	6.22	5.99	6.24	6.17	5.52	6.27	74.69
14	NCE Solar	3.82	143.68	159.78	144.71	124.50	124.20	116.27	223.08	226.27	223.97	240.72	248.68	286.39	2,262.26
15	NCE WIND	4.70	74.12	146.88	212.95	228.27	235.07	147.08	48.30	49.55	59.74	61.57	63.53	78.64	1,405.70
16	NTPC Kudgi Stage-I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	NTECL Valluru		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	NLC NNTPS		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	NTPL(NLC TamilNadu)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	KKNPP Unit-I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	NLC TPS- I Expn.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	NLC TPS- II Expn.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annexure-07

S. No.	Sources	Variable cost per unit	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-24	Feb-24	Mar-24	FY TOTAL
23	NTPC Telangana STPS - I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTPC(SR) Talcher Stage-II	1.85	21.61	23.39	21.74	21.69	21.59	21.11	21.32	20.52	21.39	21.13	18.90	21.49	255.87
25	SEIL P1 (625MW)	2.47	74.90	81.08	75.38	75.19	74.83	73.18	73.92	71.13	74.13	73.24	65.50	74.50	886.98
26	SEIL P2 (500MW Firm)	2.47	55.19	59.74	55.54	55.40	55.14	53.92	54.47	52.41	54.63	53.97	48.27	54.89	653.56
27	SEIL P1 (230MW)	2.56	30.91	33.46	31.11	31.03	30.88	30.20	30.50	29.35	30.59	30.22	27.03	30.74	366.02
28	NLC Stage-I	3.20	5.81	6.29	5.85	5.83	5.80	5.68	5.73	5.52	5.75	5.68	5.08	5.78	68.79
29	NLC Stage-II	3.20	10.36	11.21	10.43	10.40	10.35	10.12	10.22	9.84	10.25	10.13	9.06	10.30	122.68
30	NTPC(SR) Simhadri Stage-II	3.42	26.21	28.37	26.38	26.31	26.18	25.61	25.87	24.89	25.94	25.63	22.92	26.07	310.39
31	NTPC(SR) Simhadri Stage-I	3.45	56.50	61.16	56.86	56.72	56.45	55.20	55.76	53.66	55.92	55.25	49.41	56.20	669.09
32	APPDCL Stage-I	3.30	127.39	137.89	128.20	127.87	127.26	124.46	125.72	120.97	126.08	124.56	111.40	126.70	1,508.49
33	APPDCL Stage-II	3.30	71.34	77.22	71.79	71.61	71.27	69.70	70.40	67.75	70.61	69.75	62.39	70.95	844.77
34	HNPCL	3.30	92.74	100.38	93.33	93.09	92.65	90.61	91.52	88.07	91.79	90.68	81.10	92.24	1,098.21
35	Dr. NTPS-V	3.30	89.17	96.52	89.74	89.51	89.08	87.12	88.00	84.68	88.26	87.19	77.98	88.69	1,055.97
36	NTPC(SR) Ramagundam III	3.60	8.90	9.64	8.96	8.94	8.89	8.70	8.79	8.45	8.81	8.71	7.79	8.86	105.43
37	NTPC(SR) Ramagundam I & II	3.65	37.91	41.03	38.15	38.05	37.87	37.04	37.41	36.00	37.52	37.07	33.15	37.70	448.92
38	Dr. NTPS-IV	3.60	61.99	67.10	62.39	62.23	61.93	60.57	61.18	58.87	61.36	60.61	54.21	61.66	734.09
39	Dr. NTPS	3.90	135.61	146.78	136.47	136.12	135.47	132.49	133.82	128.77	134.22	132.59	118.59	134.87	1,605.80
40	RTPP Stage-IV	4.10	62.42	67.57	62.82	62.66	62.36	60.99	31.08	59.28	27.42	61.04	54.59	62.08	674.30
41	RTPP Stage-III	4.40	22.60	24.46	22.74	9.99	22.58	22.08	0.00	21.46	0.00	22.10	19.76	22.48	210.27
42	RTPP Stage-I	4.40	42.19	45.67	42.46	0.00	42.15	41.22	0.00	20.14	0.00	9.04	36.89	41.96	321.71
43	RTPP Stage-II	4.40	48.22	52.19	48.52	0.00	31.46	47.11	0.00	0.00	0.00	0.00	42.16	32.10	301.76
44	SEIL P2 (125MW Open Cap)	4.40	13.80	14.94	13.89	0.00	0.00	2.89	0.00	0.00	0.00	0.00	3.77	0.00	49.28
45	JNNSM Ph-1 Thermal	5.37	4.77	5.16	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.72
46	Godavari Gas Power Plant	7.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	Market Purchases		133.17	38.34	57.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	229.10
	Total Despatch		1,521	1,596	1,576	1,401	1,557	1,467	1,360	1,338	1,279	1,350	1,334	1,504	17,282

ANNEXURE – 07 (C)
APPROVED: ENERGY DESPATCH (MU) FOR FY 2023-24 – APEPDCL

S. No.	Sources	Variable cost per unit	Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 25	Feb- 25	Mar- 25	FY TOTAL
1	Srisailam RCPH	0.00	36.92	28.26	25.23	37.39	86.73	100.51	124.21	68.79	41.68	38.16	42.52	45.25	675.65
2	NSRCPH	0.00	4.32	3.30	2.95	4.37	10.14	11.75	14.52	8.04	4.87	4.46	4.97	5.29	78.97
3	NSTPDC PH	0.00	2.40	1.83	1.64	2.43	5.63	6.53	8.07	4.47	2.71	2.48	2.76	2.94	43.87
4	Upper Sileru	0.00	11.51	8.81	7.86	11.65	27.03	31.33	38.71	21.44	12.99	11.89	13.25	14.10	210.59
5	Lower Sileru	0.00	22.06	16.88	15.07	22.34	51.81	60.04	74.20	41.10	24.90	22.79	25.40	27.03	403.63
6	Donkarayi	0.00	1.20	0.92	0.82	1.21	2.82	3.26	4.03	2.23	1.35	1.24	1.38	1.47	21.94
7	PABM	0.00	0.96	0.73	0.66	0.97	2.25	2.61	3.23	1.79	1.08	0.99	1.10	1.18	17.55
8	Minihydel(Chettipet)	0.00	0.05	0.04	0.03	0.05	0.11	0.13	0.16	0.09	0.05	0.05	0.06	0.06	0.88
9	Machkund AP Share	0.00	2.88	2.20	1.97	2.91	6.76	7.83	9.68	5.36	3.25	2.97	3.31	3.53	52.65
10	TB Dam AP Share	0.00	2.76	2.11	1.89	2.80	6.49	7.52	9.29	5.15	3.12	2.85	3.18	3.38	50.54
11	NPC(MAPS)	2.55	3.77	4.06	4.00	4.15	3.77	3.89	4.21	3.99	4.12	3.80	3.42	3.81	46.98
12	NPC(KAIGA unit I,II,III,IV)	3.50	23.75	25.58	25.20	26.19	23.76	24.55	26.52	25.15	25.99	23.96	21.59	24.00	296.25
13	NCE- Others	6.11	11.26	12.13	11.95	12.42	11.27	11.64	12.58	11.93	12.33	11.36	10.24	11.38	140.48
14	NCE Solar	3.82	256.51	283.89	272.41	244.19	222.09	219.67	450.71	450.50	442.17	443.43	461.64	519.60	4,266.81
15	NCE WIND	4.70	132.33	260.97	400.87	447.70	420.33	277.87	97.58	98.66	117.95	113.41	117.93	142.67	2,628.27
16	NTPC Kudgi Stage-I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	NTECL Valluru		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	NLC NNTPS		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	NTPL(NLC TamilNadu)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	KKNPP Unit-I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	NLC TPS- I Expn.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	NLC TPS- II Expn.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annexure-07

S. No.	Sources	Variable cost per unit	Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 25	Feb- 25	Mar- 25	FY TOTAL
23	NTPC Telangana STPS - I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTPC(SR) Talcher Stage-II	1.85	38.58	41.55	40.93	42.54	38.60	39.88	43.08	40.85	42.22	38.92	35.08	38.99	481.23
25	SEIL P1 (625MW)	2.47	133.72	144.05	141.89	147.46	133.80	138.26	149.34	141.62	146.36	134.91	121.60	135.16	1,668.18
26	SEIL P2 (500MW Firm)	2.47	98.53	106.14	104.55	108.66	98.59	101.88	110.04	104.35	107.85	99.41	89.60	99.59	1,229.19
27	SEIL P1 (230MW)	2.56	55.18	59.44	58.55	60.85	55.21	57.05	61.63	58.44	60.40	55.67	50.18	55.78	688.39
28	NLC Stage-I	3.20	10.37	11.17	11.00	11.44	10.38	10.72	11.58	10.98	11.35	10.46	9.43	10.48	129.37
29	NLC Stage-II	3.20	18.50	19.92	19.63	20.40	18.51	19.12	20.66	19.59	20.24	18.66	16.82	18.69	230.73
30	NTPC(SR) Simhadri Stage-II	3.42	46.79	50.41	49.65	51.60	46.82	48.38	52.26	49.56	51.22	47.21	42.55	47.30	583.76
31	NTPC(SR) Simhadri Stage-I	3.45	100.87	108.66	107.04	111.24	100.93	104.30	112.66	106.83	110.41	101.77	91.73	101.96	1,258.40
32	APPDCL Stage-I	3.30	227.42	244.99	241.32	250.80	227.55	235.14	253.99	240.85	248.92	229.45	206.81	229.87	2,837.11
33	APPDCL Stage-II	3.30	127.36	137.19	135.14	140.45	127.43	131.68	142.24	134.88	139.40	128.49	115.81	128.73	1,588.81
34	HNPCCL	3.30	165.57	178.35	175.68	182.58	165.66	171.19	184.91	175.35	181.22	167.04	150.56	167.35	2,065.46
35	Dr. NTPS-V	3.30	159.20	171.49	168.93	175.56	159.29	164.60	177.80	168.60	174.25	160.62	144.77	160.91	1,986.02
36	NTPC(SR) Ramagundam III	3.60	15.89	17.12	16.87	17.53	15.90	16.43	17.75	16.83	17.40	16.04	14.45	16.07	198.29
37	NTPC(SR) Ramagundam I & II	3.65	67.68	72.91	71.82	74.64	67.72	69.98	75.59	71.68	74.08	68.28	61.54	68.41	844.31
38	Dr. NTPS-IV	3.60	110.67	119.22	117.44	122.05	110.73	114.43	123.60	117.21	121.13	111.66	100.64	111.86	1,380.64
39	Dr. NTPS	3.90	242.09	260.79	256.89	266.97	242.23	250.31	270.37	256.39	264.98	244.25	220.15	244.70	3,020.11
40	RTPP Stage-IV	4.10	111.44	120.05	118.25	122.89	111.50	115.22	62.80	118.02	54.14	112.43	101.34	112.64	1,260.72
41	RTPP Stage-III	4.40	40.35	43.46	42.81	19.60	40.37	41.72	0.00	42.73	0.00	40.71	36.69	40.78	389.24
42	RTPP Stage-I	4.40	75.32	81.13	79.92	0.00	75.36	77.87	0.00	40.10	0.00	16.65	68.49	76.13	590.98
43	RTPP Stage-II	4.40	86.08	92.72	91.34	0.00	56.25	89.00	0.00	0.00	0.00	0.00	78.27	58.24	551.90
44	SEIL P2 (125MW Open Cap)	4.40	24.63	26.54	26.14	0.00	0.00	5.47	0.00	0.00	0.00	0.00	7.00	0.00	89.77
45	JNNSM Ph-1 Thermal	5.37	8.51	9.17	9.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.70
46	Godavari Gas Power Plant	7.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	Market Purchases		237.74	68.13	108.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	414.27
	Total Despatch		2,715	2,836	2,966	2,748	2,784	2,772	2,748	2,664	2,524	2,486	2,476	2,729	32,449

ANNEXURE – 07 (D)

APPROVED: ENERGY DESPATCH (MU) FOR FY 2023-24 –DISCOMS (Total)

S. No.	Sources	Variable cost per unit	Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 25	Feb- 25	Mar- 25	FY TOTAL
1	Srisailam RCPH	0.00	94.43	69.32	60.82	89.60	229.08	248.62	293.92	166.13	100.65	99.95	111.63	118.31	1,682.44
2	NSRCPH	0.00	11.04	8.10	7.11	10.47	26.78	29.06	34.35	19.42	11.76	11.68	13.05	13.83	196.65
3	NSTPDC PH	0.00	6.13	4.50	3.95	5.82	14.88	16.14	19.09	10.79	6.54	6.49	7.25	7.68	109.25
4	Upper Sileru	0.00	29.43	21.61	18.96	27.93	71.40	77.49	91.61	51.78	31.37	31.15	34.79	36.88	524.40
5	Lower Sileru	0.00	56.41	41.41	36.33	53.53	136.85	148.52	175.59	99.25	60.13	59.71	66.69	70.68	1,005.09
6	Donkarayi	0.00	3.07	2.25	1.97	2.91	7.44	8.07	9.54	5.39	3.27	3.25	3.62	3.84	54.62
7	PABM	0.00	2.45	1.80	1.58	2.33	5.95	6.46	7.63	4.32	2.61	2.60	2.90	3.07	43.70
8	Minihydel(Chettipet)	0.00	0.12	0.09	0.08	0.12	0.30	0.32	0.38	0.22	0.13	0.13	0.14	0.15	2.18
9	Machkund AP Share	0.00	7.36	5.40	4.74	6.98	17.85	19.37	22.90	12.95	7.84	7.79	8.70	9.22	131.10
10	TB Dam AP Share	0.00	7.06	5.19	4.55	6.70	17.14	18.60	21.99	12.43	7.53	7.48	8.35	8.85	125.86
11	NPC(MAPS)	2.55	9.63	9.95	9.63	9.95	9.95	9.63	9.95	9.63	9.95	9.95	8.99	9.95	117.18
12	NPC(KAIGA unit I,II,III,IV)	3.50	60.73	62.76	60.73	62.76	62.76	60.73	62.76	60.73	62.76	62.76	56.69	62.76	738.94
13	NCE- Others	6.11	28.80	29.76	28.80	29.76	29.76	28.80	29.76	28.80	29.76	29.76	26.88	29.76	350.40
14	NCE Solar	3.82	656.05	696.47	656.57	585.20	586.61	543.37	1,066.54	1,087.93	1,067.64	1,161.57	1,211.82	1,358.56	10,678.3
15	NCE WIND	4.70	338.43	640.25	966.20	1,072.92	1,110.21	687.35	230.91	238.25	284.79	297.09	309.57	373.03	6,549.00
16	NTPC Kudgi Stage-I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	NTECL Valluru		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	NLC NNTPS		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	NTPL(NLC TamilNadu)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	KKNPP Unit-I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	NLC TPS- I Expn.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	NLC TPS- II Expn.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annexure-07

S. No.	Sources	Variable cost per unit	Apr- 24	May- 24	Jun- 24	Jul- 24	Aug- 24	Sep- 24	Oct- 24	Nov- 24	Dec- 24	Jan- 25	Feb- 25	Mar- 25	FY TOTAL
23	NTPC Telangana STPS - I		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	NTPC(SR) Talcher Stage-II	1.85	98.66	101.95	98.66	101.95	101.95	98.66	101.95	98.66	101.95	101.95	92.08	101.95	1,200.34
25	SEIL P1 (625MW)	2.47	342.00	353.40	342.00	353.40	353.40	342.00	353.40	342.00	353.40	353.40	319.20	353.40	4,161.00
26	SEIL P2 (500MW Firm)	2.47	252.00	260.40	252.00	260.40	260.40	252.00	260.40	252.00	260.40	260.40	235.20	260.40	3,066.00
27	SEIL P1 (230MW)	2.56	141.13	145.83	141.13	145.83	145.83	141.13	145.83	141.13	145.83	145.83	131.72	145.83	1,717.08
28	NLC Stage-I	3.20	26.52	27.41	26.52	27.41	27.41	26.52	27.41	26.52	27.41	27.41	24.76	27.41	322.70
29	NLC Stage-II	3.20	47.30	48.88	47.30	48.88	48.88	47.30	48.88	47.30	48.88	48.88	44.15	48.88	575.52
30	NTPC(SR) Simhadri Stage-II	3.42	119.68	123.67	119.68	123.67	123.67	119.68	123.67	119.68	123.67	123.67	111.70	123.67	1,456.09
31	NTPC(SR) Simhadri Stage-I	3.45	257.99	266.59	257.99	266.59	266.59	257.99	266.59	257.99	266.59	266.59	240.79	266.59	3,138.85
32	APPDCL Stage-I	3.30	581.64	601.03	581.64	601.03	601.03	581.64	601.03	581.64	601.03	601.03	542.87	601.03	7,076.68
33	APPDCL Stage-II	3.30	325.73	336.59	325.73	336.59	336.59	325.73	336.59	325.73	336.59	336.59	304.01	336.59	3,963.02
34	HNPCCL	3.30	423.45	437.56	423.45	437.56	437.56	423.45	437.56	423.45	437.56	437.56	395.22	437.56	5,151.93
35	Dr. NTPS-V	3.30	407.16	420.73	407.16	420.73	420.73	407.16	420.73	407.16	420.73	420.73	380.02	420.73	4,953.78
36	NTPC(SR) Ramagundam III	3.60	40.65	42.01	40.65	42.01	42.01	40.65	42.01	40.65	42.01	42.01	37.94	42.01	494.60
37	NTPC(SR) Ramagundam I & II	3.65	173.10	178.87	173.10	178.87	178.87	173.10	178.87	173.10	178.87	178.87	161.56	178.87	2,105.99
38	Dr. NTPS-IV	3.60	283.05	292.49	283.05	292.49	292.49	283.05	292.49	283.05	292.49	292.49	264.18	292.49	3,443.78
39	Dr. NTPS	3.90	619.16	639.80	619.16	639.80	639.80	619.16	639.80	619.16	639.80	639.80	577.89	639.80	7,533.16
40	RTPP Stage-IV	4.10	285.01	294.51	285.01	294.51	294.51	285.01	148.60	285.01	130.73	294.51	266.01	294.51	3,157.96
41	RTPP Stage-III	4.40	103.19	106.63	103.19	46.97	106.63	103.19	0.00	103.19	0.00	106.63	96.31	106.63	982.61
42	RTPP Stage-I	4.40	192.63	199.05	192.63	0.00	199.05	192.63	0.00	96.85	0.00	43.62	179.79	199.05	1,495.29
43	RTPP Stage-II	4.40	220.15	227.49	220.15	0.00	148.59	220.15	0.00	0.00	0.00	0.00	205.47	152.29	1,394.25
44	SEIL P2 (125MW Open Cap)	4.40	63.00	65.10	63.00	0.00	0.00	13.52	0.00	0.00	0.00	0.00	18.37	0.00	222.99
45	JNNSM Ph-1 Thermal	5.37	21.76	22.49	21.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.01
46	Godavari Gas Power Plant	7.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	Market Purchases	7.04	608.04	167.14	261.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,036.46
	Total Despatch		6,944	6,958	7,148	6,586	7,353	6,856	6,503	6,432	6,095	6,513	6,500	7,136	81,025

ANNEXURE – 08 (A)
FILING: STATION WISE POWER PURCHASE COST FOR FY2024-25 – APSPDCL

S. No	Generating Station	Despatch (MU)	Cost (Rs. Crs.)						Unit Cost (Rs. / kWh)					
			Fixed	Variable	Incentive	Incsm Tax	Others	Total	Fixed	Variable	Incentive	Incsm Tax	Others	Total
	AP Genco-Thermal													
1	Dr. NTPPS	2981.33	350.62	1045.55	0.00	0.00	0.00	1396.17	1.18	3.51	0.00	0.00	0.00	4.68
2	Dr. NTPPS-IV	1218.07	129.70	402.88	0.00	0.00	0.00	532.58	1.06	3.31	0.00	0.00	0.00	4.37
3	Dr. NTPPS-V	1977.64	651.25	639.57	0.00	0.00	0.00	1290.82	3.29	3.23	0.00	0.00	0.00	6.53
4	RTPP Stage-I	480.05	84.49	194.56	0.00	0.00	0.00	279.05	1.76	4.05	0.00	0.00	0.00	5.81
5	RTPP Stage-II	433.01	94.81	175.50	0.00	0.00	0.00	270.31	2.19	4.05	0.00	0.00	0.00	6.24
6	RTPP Stage-III	149.04	57.31	60.41	0.00	0.00	0.00	117.72	3.85	4.05	0.00	0.00	0.00	7.90
7	RTPP Stage-IV	945.18	233.49	363.23	0.00	0.00	0.00	596.72	2.47	3.84	0.00	0.00	0.00	6.31
	AP Genco-Thermal Total	8184.32	1601.67	2881.70	0.00	0.00	0.00	4483.37	1.96	3.52	0.00	0.00	0.00	5.48
	AP Genco - Hydel													
8	Srisailam RCPH	389.60	95.49	0.00	0.00	0.00	0.00	95.49	2.45	0.00	0.00	0.00	0.00	2.45
9	NSRCPH	49.44	11.22	0.00	0.00	0.00	0.00	11.22	2.27	0.00	0.00	0.00	0.00	2.27
10	NSTPDC PH	29.93	20.91	0.00	0.00	0.00	0.00	20.91	6.99	0.00	0.00	0.00	0.00	6.99
11	Upper Sileru	186.19	114.33	0.00	0.00	0.00	0.00	114.33	6.14	0.00	0.00	0.00	0.00	6.14
12	Lower Sileru	420.07		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Donkarayi	37.56		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	PABM	2.51	6.10	0.00	0.00	0.00	0.00	6.10	24.35	0.00	0.00	0.00	0.00	24.35
15	Minihydel(Chettipet)	1.04	0.90	0.00	0.00	0.00	0.00	0.90	8.62	0.00	0.00	0.00	0.00	8.62
	AP Genco Hydel Total	1116.34	248.96	0.00	0.00	0.00	0.00	248.96	2.23	0.00	0.00	0.00	0.00	2.23
	Inter State - Hydel													
16	Machkund AP Share	121.93	31.00	0.00	0.00	0.00	0.00	31.00	2.54	0.00	0.00	0.00	0.00	2.54
17	TB Dam AP Share	49.96		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

S. No	Generating Station	Despatch (MU)	Cost (Rs. Crs.)						Unit Cost (Rs. / kWh)						
			Fixed	Variable	Incentive	Incsm Tax	Others	Total	Fixed	Variable	Incentive	Incsm Tax	Others	Total	
	Inter State - Hydel Total	171.89	31.00	0.00	0.00	0.00	0.00	0.00	31.00	1.80	0.00	0.00	0.00	0.00	1.80
	APGENCO-TOTAL	9472.55	1881.64	2881.70	0.00	0.00	0.00	0.00	4763.34	1.99	3.04	0.00	0.00	0.00	5.03
	CG Station														
18	NTPC(SR) Ramagundam I & II	851.79	60.68	296.00	0.00	0.00	0.00	0.00	356.68	0.71	3.48	0.00	0.00	0.00	4.19
19	NTPC(SR) Simhadri Stage-I	1342.43	126.95	441.39	0.00	0.00	0.00	0.00	568.34	0.95	3.29	0.00	0.00	0.00	4.23
20	NTPC(SR) Simhadri Stage-II	618.18	84.32	201.71	0.00	0.00	0.00	0.00	286.03	1.36	3.26	0.00	0.00	0.00	4.63
21	NTPC(SR) Talcher Stage-II	515.07	40.03	90.50	0.00	0.00	0.00	0.00	130.53	0.78	1.76	0.00	0.00	0.00	2.53
22	NTPC(SR) Ramagundam III	205.76	16.79	70.55	0.00	0.00	0.00	0.00	87.34	0.82	3.43	0.00	0.00	0.00	4.25
23	NTPC Kudgi Stage-I	143.31	101.48	69.86	0.00	0.00	0.00	0.00	171.34	7.08	4.88	0.00	0.00	0.00	11.96
24	NTECL Valluru	83.61	39.67	35.10	0.00	0.00	0.00	0.00	74.77	4.74	4.20	0.00	0.00	0.00	8.94
25	NLC Stage-I	124.59	10.27	39.87	0.00	0.00	0.00	0.00	50.14	0.82	3.20	0.00	0.00	0.00	4.02
26	NLC Stage-II	230.27	19.34	73.78	0.00	0.00	0.00	0.00	93.11	0.84	3.20	0.00	0.00	0.00	4.04
27	NPC(MAPS)	35.98	0.00	9.18	0.00	0.00	0.00	0.00	9.18	0.00	2.55	0.00	0.00	0.00	2.55
28	NPC(KAIGA unit I,II,III,IV)	250.85	0.00	87.76	0.00	0.00	0.00	0.00	87.76	0.00	3.50	0.00	0.00	0.00	3.50
29	NTPL(NLC TamilNadu)	335.09	51.31	115.87	0.00	0.00	0.00	0.00	167.18	1.53	3.46	0.00	0.00	0.00	4.99
30	NLC NNTPS	145.53	25.69	37.56	0.00	0.00	0.00	0.00	63.25	1.77	2.58	0.00	0.00	0.00	4.35
31	KKNPP Unit-I	5.43	0.00	2.34	0.00	0.00	0.00	0.00	2.34	0.00	4.30	0.00	0.00	0.00	4.30
32	NLC TPS- I Expn.	6.48	0.58	1.85	0.00	0.00	0.00	0.00	2.43	0.90	2.85	0.00	0.00	0.00	3.75
33	NLC TPS- II Expn.	5.44	1.37	1.65	0.00	0.00	0.00	0.00	3.03	2.53	3.04	0.00	0.00	0.00	5.57
34	NTPC Telangana STPS - I	19.95	0.43	7.51	0.00	0.00	0.00	0.00	7.95	0.22	3.77	0.00	0.00	0.00	3.98
35	JNNSM Ph-1 Thermal	112.93	12.87	60.63	0.00	0.00	0.00	0.00	73.50	1.14	5.37	0.00	0.00	0.00	6.51
	CGS TOTAL	5032.69	591.79	1643.12	0.00	0.00	0.00	0.00	2234.92	1.18	3.26	0.00	0.00	0.00	4.44
	NCE														
36	NCE- Others	89.01	4.85	46.99	0.00	0.00	0.00	0.00	51.84	0.54	5.28	0.00	0.00	0.00	5.82

S. No	Generating Station	Despatch (MU)	Cost (Rs. Crs.)						Unit Cost (Rs. / kWh)					
			Fixed	Variable	Incentive	Incsm Tax	Others	Total	Fixed	Variable	Incentive	Incsm Tax	Others	Total
37	NCE Solar	1823.21	0.00	782.16	0.00	0.00	0.00	782.16	0.00	4.29	0.00	0.00	0.00	4.29
38	NCE WIND	2631.59	0.00	1242.29	0.00	0.00	0.00	1242.29	0.00	4.72	0.00	0.00	0.00	4.72
39	JNNSM PH 1 SOLAR	17.20	0.00	18.54	0.00	0.00	0.00	18.54	0.00	10.78	0.00	0.00	0.00	10.78
40	JNNSM PH 2 SOLAR	1058.05	0.00	475.06	0.00	0.00	0.00	475.06	0.00	4.49	0.00	0.00	0.00	4.49
41	SECI 3000 MW APRAPL	1292.61	0.00	321.86	0.00	0.00	0.00	321.86	0.00	2.49	0.00	0.00	0.00	2.49
	NCE TOTAL	6911.67	4.85	2886.91	0.00	0.00	0.00	2891.76	0.01	4.18	0.00	0.00	0.00	4.18
	Others													
42	APPDCL Stage-I	2767.59	497.62	912.47	0.00	0.00	0.00	1410.09	1.80	3.30	0.00	0.00	0.00	5.10
43	APPDCL Stage-II	1391.23	387.18	458.69	0.00	0.00	0.00	845.87	2.78	3.30	0.00	0.00	0.00	6.08
44	Godavari Gas Power Plant	0.00	6.68	0.00	0.00	0.00	0.00	6.68	0.00	0.00	0.00	0.00	0.00	0.00
45	SEIL P1 (Formerly Thermal Powertech)	780.84	98.77	199.90	2.93	0.00	21.89	323.48	1.26	2.56	0.04	0.00	0.28	4.14
46	SEIL P1 (625MW)	1905.11	321.83	470.56	0.00	0.00	0.00	792.39						
47	SEIL P2 (500MW Firm)	1627.65	257.47	402.03	14.30	0.00	0.00	673.80	1.58	2.47	0.09	0.00	0.00	4.14
48	SEIL P2 (125MW Open Cap)	123.77	71.52	54.46	0.00	0.00	0.00	125.98	5.78	4.40	0.00	0.00	0.00	10.18
49	HNPCL	1991.88	284.92	657.32	0.00	0.00	0.00	942.24	1.43	3.30	0.00	0.00	0.00	4.73
	Others TOTAL	10588.06	1925.98	3155.43	17.23	0.00	21.89	5120.52	1.82	2.98	0.02	0.00	0.02	4.84
50	NET SHORTTERM	162.03	0.00	83.61	0.00	0.00	0.00	83.61	0.00	4.88	0.00	0.00	0.00	4.88
	TOTAL	32167.00	4404.26	10650.7	17.23	0.00	21.89	15094.1	1.37	3.31	0.01	0.00	0.01	4.69

ANNEXURE – 08 (B)
FILING: STATION WISE POWER PURCHASE COST FOR FY2024-25 – APCPDCL

S. No	Generating Station	Despatch (MU)	Cost (Rs. Crs.)						Unit Cost (Rs. / kWh)					
			Fixed	Variable	Incentive	In. Tax	Others	Total	Fixed	Variable	Inctive	In. Tax	Others	Total
	AP Genco-Thermal													
1	Dr. NTPPS	1666.47	196.26	584.43	0.00	0.00	0.00	780.69	1.18	3.51	0.00	0.00	0.00	4.68
2	Dr. NTPPS-IV	681.80	72.60	225.51	0.00	0.00	0.00	298.11	1.06	3.31	0.00	0.00	0.00	4.37
3	Dr. NTPPS-V	1106.89	364.54	357.97	0.00	0.00	0.00	722.50	3.29	3.23	0.00	0.00	0.00	6.53
4	RTPP Stage-I	268.95	47.29	109.01	0.00	0.00	0.00	156.30	1.76	4.05	0.00	0.00	0.00	5.81
5	RTPP Stage-II	242.01	53.07	98.09	0.00	0.00	0.00	151.16	2.19	4.05	0.00	0.00	0.00	6.25
6	RTPP Stage-III	85.53	32.08	34.67	0.00	0.00	0.00	66.75	3.75	4.05	0.00	0.00	0.00	7.80
7	RTPP Stage-IV	526.37	130.69	202.28	0.00	0.00	0.00	332.98	2.48	3.84	0.00	0.00	0.00	6.33
	AP Genco-Thermal Total	4578.02	896.54	1611.95	0.00	0.00	0.00	2508.48	1.96	3.52	0.00	0.00	0.00	5.48
	AP Genco Hydel													
8	Srisailam RCPH	214.38	53.45	0.00	0.00	0.00	0.00	53.45	2.49	0.00	0.00	0.00	0.00	2.49
9	NSRCPH	27.34	6.28	0.00	0.00	0.00	0.00	6.28	2.30	0.00	0.00	0.00	0.00	2.30
10	NSTPDC PH	16.73	11.71	0.00	0.00	0.00	0.00	11.71	7.00	0.00	0.00	0.00	0.00	7.00
11	Upper Sileru	102.91	64.00	0.00	0.00	0.00	0.00	64.00	6.22	0.00	0.00	0.00	0.00	6.22
12	Lower Sileru	233.09		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Donkarayi	20.92		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	PABM	1.40	3.42	0.00	0.00	0.00	0.00	3.42	24.46	0.00	0.00	0.00	0.00	24.46
15	Minihydel(Chettipet)	0.57	0.50	0.00	0.00	0.00	0.00	0.50	8.89	0.00	0.00	0.00	0.00	8.89
	AP Genco - Hydel Total	617.32	139.36	0.00	0.00	0.00	0.00	139.36	2.26	0.00	0.00	0.00	0.00	2.26
	Inter State Hydel													
16	Machkund AP Share	68.22	17.35	0.00	0.00	0.00	0.00	17.35	2.54	0.00	0.00	0.00	0.00	2.54
17	TB Dam AP Share	27.35		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

S. No	Generating Station	Despatch (MU)	Cost (Rs. Crs.)						Unit Cost (Rs. / kWh)						
			Fixed	Variable	Incentive	In. Tax	Others	Total	Fixed	Variable	Inctive	In. Tax	Others	Total	
	Inter State Hydel Total	95.57	17.35	0.00	0.00	0.00	0.00	0.00	17.35	1.82	0.00	0.00	0.00	0.00	1.82
	APGENCO-TOTAL	5290.92	1053.25	1611.95	0.00	0.00	0.00	0.00	2665.20	1.99	3.05	0.00	0.00	0.00	5.04
	CG Station														
18	NTPC(SR) Ramagundam I & II	477.31	33.97	165.87	0.00	0.00	0.00	0.00	199.83	0.71	3.48	0.00	0.00	0.00	4.19
19	NTPC(SR) Simhadri Stage-I	751.41	71.06	247.06	0.00	0.00	0.00	0.00	318.13	0.95	3.29	0.00	0.00	0.00	4.23
20	NTPC(SR) Simhadri Stage-II	344.88	47.20	112.53	0.00	0.00	0.00	0.00	159.73	1.37	3.26	0.00	0.00	0.00	4.63
21	NTPC(SR) Talcher Stage-II	288.95	22.41	50.77	0.00	0.00	0.00	0.00	73.18	0.78	1.76	0.00	0.00	0.00	2.53
22	NTPC(SR) Ramagundam III	115.16	9.40	39.49	0.00	0.00	0.00	0.00	48.89	0.82	3.43	0.00	0.00	0.00	4.25
23	NTPC Kudgi Stage-I	86.18	56.80	42.01	0.00	0.00	0.00	0.00	98.81	6.59	4.88	0.00	0.00	0.00	11.47
24	NTECL Valluru	48.54	22.21	20.38	0.00	0.00	0.00	0.00	42.58	4.58	4.20	0.00	0.00	0.00	8.77
25	NLC Stage-I	69.64	5.75	22.29	0.00	0.00	0.00	0.00	28.04	0.83	3.20	0.00	0.00	0.00	4.03
26	NLC Stage-II	129.38	10.82	41.45	0.00	0.00	0.00	0.00	52.28	0.84	3.20	0.00	0.00	0.00	4.04
27	NPC(MAPS)	20.14	0.00	5.14	0.00	0.00	0.00	0.00	5.14	0.00	2.55	0.00	0.00	0.00	2.55
28	NPC(KAIGA unit I,II,III,IV)	141.04	0.00	49.34	0.00	0.00	0.00	0.00	49.34	0.00	3.50	0.00	0.00	0.00	3.50
29	NTPL(NLC TamilNadu)	186.22	28.72	64.39	0.00	0.00	0.00	0.00	93.11	1.54	3.46	0.00	0.00	0.00	5.00
30	NLC NNTPS	80.80	14.38	20.85	0.00	0.00	0.00	0.00	35.24	1.78	2.58	0.00	0.00	0.00	4.36
31	KKNPP Unit-I	3.04	0.00	1.31	0.00	0.00	0.00	0.00	1.31	0.00	4.30	0.00	0.00	0.00	4.30
32	NLC TPS- I Expn.	3.61	0.33	1.03	0.00	0.00	0.00	0.00	1.36	0.91	2.85	0.00	0.00	0.00	3.76
33	NLC TPS- II Expn.	3.03	0.77	0.92	0.00	0.00	0.00	0.00	1.69	2.54	3.04	0.00	0.00	0.00	5.58
34	NTPC Telangana STPS - I	11.13	0.24	4.19	0.00	0.00	0.00	0.00	4.43	0.22	3.77	0.00	0.00	0.00	3.98
35	JNNSM Ph-1 Thermal	63.15	7.21	33.91	0.00	0.00	0.00	0.00	41.11	1.14	5.37	0.00	0.00	0.00	6.51
	CGS TOTAL	2823.60	331.26	922.93	0.00	0.00	0.00	0.00	1254.19	1.17	3.27	0.00	0.00	0.00	4.44
	NCE														
36	NCE- Others	49.89	2.71	26.34	0.00	0.00	0.00	0.00	29.05	0.54	5.28	0.00	0.00	0.00	5.82

S. No	Generating Station	Despatch (MU)	Cost (Rs. Crs.)						Unit Cost (Rs. / kWh)					
			Fixed	Variable	Incentive	In. Tax	Others	Total	Fixed	Variable	Inctive	In. Tax	Others	Total
37	NCE Solar	1018.43	0.00	436.91	0.00	0.00	0.00	436.91	0.00	4.29	0.00	0.00	0.00	4.29
38	NCE WIND	1498.72	0.00	707.50	0.00	0.00	0.00	707.50	0.00	4.72	0.00	0.00	0.00	4.72
39	JNNSM PH 1 SOLAR	9.66	0.00	10.42	0.00	0.00	0.00	10.42	0.00	10.78	0.00	0.00	0.00	10.78
40	JNNSM PH 2 SOLAR	593.43	0.00	266.45	0.00	0.00	0.00	266.45	0.00	4.49	0.00	0.00	0.00	4.49
41	SECI 3000 MW APRAPL	698.65	0.00	173.96	0.00	0.00	0.00	173.96	0.00	2.49	0.00	0.00	0.00	2.49
	NCE TOTAL	3868.78	2.71	1621.58	0.00	0.00	0.00	1624.29	0.01	4.19	0.00	0.00	0.00	4.20
	Others													
42	APPDCL Stage-I	1549.75	278.54	510.95	0.00	0.00	0.00	789.49	1.80	3.30	0.00	0.00	0.00	5.09
43	APPDCL Stage-II	779.61	216.72	257.04	0.00	0.00	0.00	473.76	2.78	3.30	0.00	0.00	0.00	6.08
44	Godavari Gas Power Plant	0.00	3.74	0.00	0.00	0.00	0.00	3.74	0.00	0.00	0.00	0.00	0.00	0.00
45	SEIL P1 (Formerly Thermal Powertech)	437.27	55.28	111.94	1.64	0.00	12.25	181.12	1.26	2.56	0.04	0.00	0.28	4.14
46	SEIL P1 (625MW)	1066.86	180.15	263.51	0.00	0.00	0.00	443.66	1.69	2.47	0.00	0.00	0.00	4.16
47	SEIL P2 (500MW Firm)	908.15	144.12	224.31	8.01	0.00	0.00	376.43	1.59	2.47	0.09	0.00	0.00	4.15
48	SEIL P2 (125MW Open Cap)	71.57	40.03	31.49	0.00	0.00	0.00	71.52	5.59	4.40	0.00	0.00	0.00	9.99
49	HNPCL	1115.45	159.49	368.10	0.00	0.00	0.00	527.58	1.43	3.30	0.00	0.00	0.00	4.73
	Others Total	5928.65	1078.07	1767.34	9.65	0.00	12.25	2867.31	1.82	2.98	0.02	0.00	0.02	4.84
50	NET SHORTTERM	93.53	0.00	48.26	0.00	0.00	0.00	48.26	0.00	5.16	0.00	0.00	0.00	5.16
	Total	18005.48	2465.28	5972.06	9.65	0.00	12.25	8459.24	1.37	3.32	0.01	0.00	0.01	4.70

ANNEXURE – 08 (C)
FILING: STATION WISE POWER PURCHASE COST FOR FY2024-25 – APEPDCL

S. No.	Generating Station	Cost (Rs. Crs.)							Unit Cost (Rs. / kWh)					
		Dispatch	Fixed	Variable	Incentive	InTax	Others	Total	Fixed	Variable	Incentives	InTax	Others	Total
	AP Genco-Thermal													
1	Dr. NTPPS	3048.81	359.11	1069.22	0.00	0.00	0.00	1428.32	1.18	3.51	0.00	0.00	0.00	4.68
2	Dr. NTPPS-IV	1248.05	132.84	412.79	0.00	0.00	0.00	545.64	1.06	3.31	0.00	0.00	0.00	4.37
3	Dr. NTPPS-V	2025.78	667.01	655.14	0.00	0.00	0.00	1322.15	3.29	3.23	0.00	0.00	0.00	6.53
4	RTPP Stage-I	484.93	86.53	196.54	0.00	0.00	0.00	283.07	1.78	4.05	0.00	0.00	0.00	5.84
5	RTPP Stage-II	431.02	97.11	174.69	0.00	0.00	0.00	271.80	2.25	4.05	0.00	0.00	0.00	6.31
6	RTPP Stage-III	151.17	58.70	61.27	0.00	0.00	0.00	119.97	3.88	4.05	0.00	0.00	0.00	7.94
7	RTPP Stage-IV	950.86	239.14	365.42	0.00	0.00	0.00	604.56	2.51	3.84	0.00	0.00	0.00	6.36
	AP Genco-Thermal Total	8340.63	1640.44	2935.07	0.00	0.00	0.00	4575.51	1.97	3.52	0.00	0.00	0.00	5.49
	AP Genco Hydel													
8	Srisailam RCPH	396.02	97.81	0.00	0.00	0.00	0.00	97.81	2.47	0.00	0.00	0.00	0.00	2.47
9	NSRCPH	51.22	11.49	0.00	0.00	0.00	0.00	11.49	2.24	0.00	0.00	0.00	0.00	2.24
10	NSTPDC PH	31.35	21.42	0.00	0.00	0.00	0.00	21.42	6.83	0.00	0.00	0.00	0.00	6.83
11	Upper Sileru	187.90	117.10	0.00	0.00	0.00	0.00	117.10	6.23	0.00	0.00	0.00	0.00	6.23
12	Lower Sileru	427.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Donkarayi	38.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	PABM	2.64	6.25	0.00	0.00	0.00	0.00	6.25	23.73	0.00	0.00	0.00	0.00	23.73
15	Minihydel(Chettipet)	1.04	0.92	0.00	0.00	0.00	0.00	0.92	8.91	0.00	0.00	0.00	0.00	8.91
	AP Genco Hydel Total	1135.89	254.99	0.00	0.00	0.00	0.00	254.99	2.24	0.00	0.00	0.00	0.00	2.24
	Inter State Hydel													
16	Machkund AP Share	124.85	31.75	0.00	0.00	0.00	0.00	31.75	2.54	0.00	0.00	0.00	0.00	2.54
17	TB Dam AP Share	50.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

S. No.	Generating Station	Cost (Rs. Crs.)							Unit Cost (Rs. / kWh)					
		Dispatch	Fixed	Variable	Incentive	InTax	Others	Total	Fixed	Variable	Incentives	InTax	Others	Total
	Inter State Hydel Total	175.54	31.75	0.00	0.00	0.00	0.00	31.75	1.81	0.00	0.00	0.00	0.00	1.81
	APGENCO-TOTAL	9652.06	1927.18	2935.07	0.00	0.00	0.00	4862.25	2.00	3.04	0.00	0.00	0.00	5.04
	CG Stations													
18	NTPC(SR) Ramagundam I & II	875.13	62.15	304.11	0.00	0.00	0.00	366.26	0.71	3.48	0.00	0.00	0.00	4.19
19	NTPC(SR) Simhadri Stage-I	1374.16	130.03	451.82	0.00	0.00	0.00	581.85	0.95	3.29	0.00	0.00	0.00	4.23
20	NTPC(SR) Simhadri Stage-II	630.92	86.36	205.87	0.00	0.00	0.00	292.23	1.37	3.26	0.00	0.00	0.00	4.63
21	NTPC(SR) Talcher Stage-II	528.94	41.00	92.93	0.00	0.00	0.00	133.94	0.78	1.76	0.00	0.00	0.00	2.53
22	NTPC(SR) Ramagundam III	210.79	17.20	72.28	0.00	0.00	0.00	89.48	0.82	3.43	0.00	0.00	0.00	4.24
23	NTPC Kudgi Stage-I	152.27	103.94	74.23	0.00	0.00	0.00	178.17	6.83	4.88	0.00	0.00	0.00	11.70
24	NTECL Valluru	85.52	40.63	35.90	0.00	0.00	0.00	76.53	4.75	4.20	0.00	0.00	0.00	8.95
25	NLC Stage-I	127.06	10.52	40.66	0.00	0.00	0.00	51.18	0.83	3.20	0.00	0.00	0.00	4.03
26	NLC Stage-II	237.27	19.80	76.02	0.00	0.00	0.00	95.82	0.83	3.20	0.00	0.00	0.00	4.04
27	NPC(MAPS)	36.92	0.00	9.42	0.00	0.00	0.00	9.42	0.00	2.55	0.00	0.00	0.00	2.55
28	NPC(KAIGA unit I,II,III,IV)	257.24	0.00	90.00	0.00	0.00	0.00	90.00	0.00	3.50	0.00	0.00	0.00	3.50
29	NTPL(NLC TamilNadu)	341.74	52.55	118.17	0.00	0.00	0.00	170.72	1.54	3.46	0.00	0.00	0.00	5.00
30	NLC NNTPS	148.11	26.32	38.23	0.00	0.00	0.00	64.54	1.78	2.58	0.00	0.00	0.00	4.36
31	KKNPP Unit-I	5.58	0.00	2.40	0.00	0.00	0.00	2.40	0.00	4.30	0.00	0.00	0.00	4.30
32	NLC TPS- I Expn.	6.58	0.60	1.88	0.00	0.00	0.00	2.47	0.91	2.85	0.00	0.00	0.00	3.76
33	NLC TPS- II Expn.	5.55	1.41	1.69	0.00	0.00	0.00	3.09	2.54	3.04	0.00	0.00	0.00	5.58
34	NTPC Telangana STPS - I	20.32	0.44	7.65	0.00	0.00	0.00	8.09	0.22	3.77	0.00	0.00	0.00	3.98
35	JNNSM Ph-1 Thermal	115.62	13.18	62.08	0.00	0.00	0.00	75.26	1.14	5.37	0.00	0.00	0.00	6.51
	CGS TOTAL	5159.72	606.12	1685.34	0.00	0.00	0.00	2291.46	1.17	3.27	0.00	0.00	0.00	4.44

S. No.	Generating Station	Cost (Rs. Crs.)							Unit Cost (Rs. / kWh)					
		Dispatch	Fixed	Variable	Incentive	InTax	Others	Total	Fixed	Variable	Incentives	InTax	Others	Total
	NCE													
36	NCE- Others	92.06	4.96	48.60	0.00	0.00	0.00	53.56	0.54	5.28	0.00	0.00	0.00	5.82
37	NCE Solar	1858.96	0.00	797.49	0.00	0.00	0.00	797.49	0.00	4.29	0.00	0.00	0.00	4.29
38	NCE WIND	2749.65	0.00	1298.03	0.00	0.00	0.00	1298.03	0.00	4.72	0.00	0.00	0.00	4.72
39	JNNSM PH 1 SOLAR	17.56	0.00	18.93	0.00	0.00	0.00	18.93	0.00	10.78	0.00	0.00	0.00	10.78
40	JNNSM PH 2 SOLAR	1086.71	0.00	487.93	0.00	0.00	0.00	487.93	0.00	4.49	0.00	0.00	0.00	4.49
41	SECI 3000 MW APRAPL	1302.75	0.00	324.38	0.00	0.00	0.00	324.38	0.00	2.49	0.00	0.00	0.00	2.49
	NCE TOTAL	7107.68	4.96	2975.36	0.00	0.00	0.00	2980.33	0.01	4.19	0.00	0.00	0.00	4.19
	Others													
42	APPDCL Stage-I	2839.51	509.66	936.19	0.00	0.00	0.00	1445.85	1.79	3.30	0.00	0.00	0.00	5.09
43	APPDCL Stage-II	1429.65	396.55	471.36	0.00	0.00	0.00	867.91	2.77	3.30	0.00	0.00	0.00	6.07
44	Godavari Gas Power Plant	0.00	6.84	0.00	0.00	0.00	0.00	6.84	0.00		0.00	0.00	0.00	0.00
45	SEIL P1 (Former	801.51	101.16	205.19	3.00	0.00	22.41	331.76	1.26	2.56	0.04	0.00	0.28	4.14
46	SEIL P1 (625MW)	1955.54	329.62	483.02	0.00	0.00	0.00	812.64	1.69	2.47	0.00	0.00	0.00	4.16
47	SEIL P2 (500MW Firm)	1664.20	263.70	411.06	14.65	0.00	0.00	689.41	1.58	2.47	0.09	0.00	0.00	4.14
48	SEIL P2 (125MW Open Cap)	125.66	73.25	55.29	0.00	0.00	0.00	128.54	5.83	4.40	0.00	0.00	0.00	10.23
49	HNPCL	2044.60	291.82	674.72	0.00	0.00	0.00	966.54	1.43	3.30	0.00	0.00	0.00	4.73
	Others TOTAL	10860.67	1972.60	3236.81	17.65	0.00	22.41	5249.48	1.82	2.98	0.02	0.00	0.02	4.83
50	NET SHORTTERM	165.53	0.00	80.69	0.00	0.00	0.00	80.69	0.00	4.88	0.00	0.00	0.00	4.88
	TOTAL	32945.65	4510.86	10913.28	17.65	0.00	22.41	15464.21	1.37	3.31	0.01	0.00	0.01	4.69

ANNEXURE – 08 (D)
FILING: STATION WISE POWER PURCHASE COST FOR FY2024-25 – DISCOMS (TOTAL)

S. No	Generating Station	Despatch (MU)	Cost (Rs. Crs.)						Unit Cost (Rs. / kWh)					
			Fixed	Variable	Incentive	Inx	Others	Total	Fixed	Variable	Incentive	In Tax	Others	Total
	AP Genco-Thermal													
1	Dr. NTPPS	7696.61	905.98	2699.20	0.00	0.00	0.00	3605.18	1.18	3.51	0.00	0.00	0.00	4.68
2	Dr. NTPPS-IV	3147.92	335.15	1041.17	0.00	0.00	0.00	1376.33	1.06	3.31	0.00	0.00	0.00	4.37
3	Dr. NTPPS-V	5110.31	1682.80	1652.67	0.00	0.00	0.00	3335.47	3.29	3.23	0.00	0.00	0.00	6.53
4	RTPP Stage-I	1233.93	218.31	500.11	0.00	0.00	0.00	718.42	1.77	4.05	0.00	0.00	0.00	5.82
5	RTPP Stage-II	1106.04	244.99	448.28	0.00	0.00	0.00	693.27	2.22	4.05	0.00	0.00	0.00	6.27
6	RTPP Stage-III	385.75	148.09	156.34	0.00	0.00	0.00	304.44	3.84	4.05	0.00	0.00	0.00	7.89
7	RTPP Stage-IV	2422.42	603.32	930.94	0.00	0.00	0.00	1534.26	2.49	3.84	0.00	0.00	0.00	6.33
	AP Genco-Thermal Total	21102.97	4138.65	7428.72	0.00	0.00	0.00	11567.37	1.96	3.52	0.00	0.00	0.00	5.48
	AP Genco - Hydel													
8	Srisaillam RCPH	1000.00	246.75	0.00	0.00	0.00	0.00	246.75	2.47	0.00	0.00	0.00	0.00	2.47
9	NSRCPH	128.00	28.99	0.00	0.00	0.00	0.00	28.99	2.27	0.00	0.00	0.00	0.00	2.27
10	NSTPDC PH	78.00	54.04	0.00	0.00	0.00	0.00	54.04	6.93	0.00	0.00	0.00	0.00	6.93
11	Upper Sileru	477.00	295.42	0.00	0.00	0.00	0.00	295.42	6.19	0.00	0.00	0.00	0.00	6.19
12	Lower Sileru	1080.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Donkarayi	97.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	/	6.54	15.77	0.00	0.00	0.00	0.00	15.77	24.12	0.00	0.00	0.00	0.00	24.12
15	Minihydel(Chettipet)	2.65	2.33	0.00	0.00	0.00	0.00	2.33	8.79	0.00	0.00	0.00	0.00	8.79
	AP Genco Hydel Total	2869.55	643.31	0.00	0.00	0.00	0.00	643.31	2.24	0.00	0.00	0.00	0.00	2.24
	Inter State - Hydel													
16	Machkund AP Share	315.00	80.11	0.00	0.00	0.00	0.00	80.11	2.54	0.00	0.00	0.00	0.00	2.54
17	TB Dam AP Share	128.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Inter State - Hydel Total	443.00	80.11	0.00	0.00	0.00	0.00	80.11	1.81	0.00	0.00	0.00	0.00	1.81
	APGENCO-TOTAL	24415.52	4862.07	7428.72	0.00	0.00	0.00	12290.79	1.99	3.04	0.00	0.00	0.00	5.03

S. No	Generating Station	Despatch (MU)	Cost (Rs. Crs.)						Unit Cost (Rs. / kWh)					
			Fixed	Variable	Incentive	Inx	Others	Total	Fixed	Variable	Incentive	In Tax	Others	Total
	CG Station													
18	NTPC(SR) Ramagundam I & II	2204.24	156.79	765.97	0.00	0.00	0.00	922.77	0.71	3.48	0.00	0.00	0.00	4.19
19	NTPC(SR) Simhadri Stage-I	3468.00	328.04	1140.28	0.00	0.00	0.00	1468.32	0.95	3.29	0.00	0.00	0.00	4.23
20	NTPC(SR) Simhadri Stage-II	1593.98	217.88	520.11	0.00	0.00	0.00	738.00	1.37	3.26	0.00	0.00	0.00	4.63
21	NTPC(SR) Talcher Stage-II	1332.96	103.44	234.20	0.00	0.00	0.00	337.64	0.78	1.76	0.00	0.00	0.00	2.53
22	NTPC(SR) Ramagundam III	531.70	43.39	182.32	0.00	0.00	0.00	225.70	0.82	3.43	0.00	0.00	0.00	4.24
23	NTPC Kudgi Stage-I	381.76	262.22	186.11	0.00	0.00	0.00	448.32	6.87	4.88	0.00	0.00	0.00	11.74
24	NTECL Valluru	217.67	102.51	91.38	0.00	0.00	0.00	193.88	4.71	4.20	0.00	0.00	0.00	8.91
25	NLC Stage-I	321.29	26.53	102.82	0.00	0.00	0.00	129.36	0.83	3.20	0.00	0.00	0.00	4.03
26	NLC Stage-II	596.91	49.96	191.25	0.00	0.00	0.00	241.21	0.84	3.20	0.00	0.00	0.00	4.04
27	NPC(MAPS)	93.05	0.00	23.73	0.00	0.00	0.00	23.73	0.00	2.55	0.00	0.00	0.00	2.55
28	NPC(KAIGA unit I,II,III,IV)	649.13	0.00	227.11	0.00	0.00	0.00	227.11	0.00	3.50	0.00	0.00	0.00	3.50
29	NTPL(NLC TamilNadu)	863.05	132.57	298.44	0.00	0.00	0.00	431.01	1.54	3.46	0.00	0.00	0.00	4.99
30	NLC NNTPS	374.44	66.39	96.64	0.00	0.00	0.00	163.03	1.77	2.58	0.00	0.00	0.00	4.35
31	KKNPP Unit-I	14.06	0.00	6.04	0.00	0.00	0.00	6.04	0.00	4.30	0.00	0.00	0.00	4.30
32	NLC TPS- I Expn.	16.67	1.51	4.76	0.00	0.00	0.00	6.26	0.90	2.85	0.00	0.00	0.00	3.76
33	NLC TPS- II Expn.	14.01	3.55	4.26	0.00	0.00	0.00	7.81	2.53	3.04	0.00	0.00	0.00	5.58
34	NTPC Telangana STPS - I	51.40	1.12	19.35	0.00	0.00	0.00	20.47	0.22	3.77	0.00	0.00	0.00	3.98
35	JNNSM Ph-1 Thermal	291.70	33.26	156.61	0.00	0.00	0.00	189.88	1.14	5.37	0.00	0.00	0.00	6.51
	CGS TOTAL	13016.01	1529.16	4251.39	0.00	0.00	0.00	5780.56	1.17	3.27	0.00	0.00	0.00	4.44
	NCE													
36	NCE- Others	230.96	12.52	121.93	0.00	0.00	0.00	134.46	0.54	5.28	0.00	0.00	0.00	5.82
37	NCE Solar	4700.60	0.00	2016.56	0.00	0.00	0.00	2016.56	0.00	4.29	0.00	0.00	0.00	4.29
38	NCE WIND	6879.96	0.00	3247.82	0.00	0.00	0.00	3247.82	0.00	4.72	0.00	0.00	0.00	4.72

S. No	Generating Station	Despatch (MU)	Cost (Rs. Crs.)						Unit Cost (Rs. / kWh)					
			Fixed	Variable	Incentive	Inx	Others	Total	Fixed	Variable	Incentive	In Tax	Others	Total
39	JNNSM PH 1 SOLAR	44.42	0.00	47.89	0.00	0.00	0.00	47.89	0.00	10.78	0.00	0.00	0.00	10.78
40	JNNSM PH 2 SOLAR	2738.19	0.00	1229.45	0.00	0.00	0.00	1229.45	0.00	4.49	0.00	0.00	0.00	4.49
41	SECI 3000 MW APRAPL	3294.00	0.00	820.21	0.00	0.00	0.00	820.21	0.00	2.49	0.00	0.00	0.00	2.49
	NCE TOTAL	17888.13	12.52	7483.85	0.00	0.00	0.00	7496.38	0.01	4.18	0.00	0.00	0.00	4.19
	Others													
42	APPDCL Stage-I	7156.84	1285.82	2359.61	0.00	0.00	0.00	3645.43	1.80	3.30	0.00	0.00	0.00	5.09
43	APPDCL Stage-II	3600.49	1000.46	1187.08	0.00	0.00	0.00	2187.54	2.78	3.30	0.00	0.00	0.00	6.08
44	Godavari Gas Power Plant	0.00	17.25	0.00	0.00	0.00	0.00	17.25						
45	SEIL P1 (Thermal Powertech)	2019.62	255.21	517.02	7.57	0.00	56.55	836.36	1.26	2.56	0.04	0.00	0.28	4.14
46	SEIL P1 (625MW)	4927.50	831.60	1217.09	0.00	0.00	0.00	2048.69	1.69	2.47	0.00	0.00	0.00	4.16
47	SEIL P2 (500MW Firm)	4200.00	665.28	1037.40	36.96	0.00	0.00	1739.64	1.58	2.47	0.09	0.00	0.00	4.14
48	SEIL P2 (125MW Open Cap)	321.00	184.80	141.24	0.00	0.00	0.00	326.04	5.76	4.40	0.00	0.00	0.00	10.16
49	HNPCL	5151.93	736.23	1700.14	0.00	0.00	0.00	2436.37	1.43	3.30	0.00	0.00	0.00	4.73
	Others TOTAL	27377.38	4976.64	8159.58	44.53	0.00	56.55	13237.31	1.82	2.98	0.02	0.00	0.02	4.84
50	NET SHORTTERM	421.09	0.00	212.56	0.00	0.00	0.00	212.56	0.00	5.05	0.00	0.00	0.00	5.05
	TOTAL	83118.13	11380.40	27536.11	44.53	0.00	56.55	39017.60	1.37	3.31	0.01	0.00	0.01	4.69

ANNEXURE – 09 (A)

APPROVED: STATION WISE POWER PURCHASE COST FOR FY 2024-25 –SPDCL

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	APGenco-Thermal								
1	Dr. NTPPS	3.90	2,910	328	1,135	1,463	1.13	3.90	5.03
2	Dr. NTPPS-IV	3.60	1,330	130	479	609	0.98	3.60	4.58
3	Dr. NTPPS-V	3.30	1,913	536	631	1,167	2.80	3.30	6.10
4	RTPP Stage-I	4.40	578	107	254	361	1.85	4.40	6.25
5	RTPP Stage-II	4.40	538	126	237	363	2.34	4.40	6.74
6	RTPP Stage-III	4.40	380	71	167	238	1.88	4.40	6.28
7	RTPP Stage-IV	4.10	1,220	250	500	750	2.05	4.10	6.15
	AP Genco-Thermal Total		8,868	1,548	3,403	4,951	1.75	3.84	5.58
	AP GENCO - Hydrel								
8	Srisailam RCPH	0.00	650	96	0	96	1.47	0.00	1.47
9	NSRCPH	0.00	76	11	0	11	1.48	0.00	1.48
10	NSTPDC PH	0.00	42	21	0	21	5.02	0.00	5.02
11	Upper Sileru	0.00	203	114	0	114	5.65	0.00	5.65
12	Lower Sileru	0.00	388	0	0	0	0.00	0.00	0.00
13	Donkarayi	0.00	21	0	0	0	0.00	0.00	0.00
14	PABM	0.00	17	6	0	6	3.62	0.00	3.62
15	Minihydel(Chettipet)	0.00	1	1	0	1	10.66	0.00	10.66
	AP Genco Hydrel Total		1,398	249	0	249	1.78	0.00	1.78
	Inter State - Hydrel				0				
16	Machkund AP Share	0.00	51	31	0	31	6.11	0.00	6.11
17	TB Dam AP Share	0.00	49	0	0	0	0.00	0.00	0.00
	Inter State - Hydrel Total		99	31	0	31	3.12	0.00	3.12
	APGENCO-TOTAL		10,365	1,829	3,403	5,232	1.76	3.28	5.05

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	CG Stations				0				
18	NTPC(SR) Ramagundam I & II	3.65	813	61	297	358	0.74	3.65	4.40
19	NTPC(SR) Simhadri Stage-I	3.45	1,212	127	419	545	1.05	3.45	4.50
20	NTPC(SR) Simhadri Stage-II	3.42	562	84	193	277	1.50	3.42	4.92
21	NTPC(SR) Talcher Stage-II	1.85	464	40	86	126	0.86	1.85	2.71
22	NTPC(SR) Ramagundam III	3.60	191	17	69	86	0.88	3.60	4.48
23	NLC Stage-I	3.20	125	10	40	50	0.82	3.20	4.02
24	NLC Stage-II	3.20	222	19	71	90	0.87	3.20	4.07
25	NPC(MAPS)	2.55	45	0	12	12	0.00	2.55	2.55
26	NPC(KAIGA unit I,II,III,IV)	3.50	285	0	100	100	0.00	3.50	3.50
27	JNNSM Ph-1 Thermal	5.37	25	13	14	27	5.04	5.37	10.41
28	NTPC Kudgi Stage-I		0	0	0	0			
29	NTECL Valluru		0	0	0	0			
30	NTPL(NLC TamilNadu)		0	0	0	0			
31	NLC NNTPS		0	0	0	0			
32	KKNPP Unit-I		0	0	0	0			
33	NLC TPS- I Expn.		0	0	0	0			
34	NLC TPS- II Expn.		0	0	0	0			
35	NTPC Telangana STPS - I		0	0	0	0			
	CGS TOTAL		3,946	371	1,299	1,670	0.94	3.29	4.23
	NCE								
36	NCE- Others	6.11	135	5	83	88	0.36	6.11	6.47
37	NCE Solar	3.82	4,124	0	1,574	1,574	0.00	3.82	3.82
38	NCE WIND	4.70	2,529	0	1,189	1,189	0.00	4.70	4.70
	NCE TOTAL		6,789	5	2,846	2,851	0.01	4.19	4.20

Annexure-09

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	Others								
39	APPDCL Stage-I	3.30	2,733	437	902	1,339	1.60	3.30	4.90
40	APPDCL Stage-II	3.30	1,531	429	505	934	2.80	3.30	6.10
41	Godavari Gas Power Plant	7.04	0	7	0	7			
42	SEIL P1 (230MW)	2.56	663	84	170	254	1.26	2.56	3.82
43	SEIL P1 (625MW)	2.47	1,607	271	397	668	1.69	2.47	4.16
44	SEIL P2 (500MW Firm)	2.47	1,184	188	292	480	1.58	2.47	4.05
45	SEIL P2 (125MW Open Cap)	4.40	86	14	38	52	1.58	4.40	5.98
46	HNPCL	3.30	1,990	284	657	941	1.43	3.30	4.73
	Others TOTAL		9,794	1,713	2,961	4,674	1.75	3.02	4.77
47	Market Purchases	7.04	400	0	282	282	0.00	7.04	7.04
	GRAND TOTAL	0.00	31,294	3,917	10,791	14,708	1.25	3.45	4.70

ANNEXURE – 09 (B)

APPROVED: STATION WISE POWER PURCHASE COST FOR FY 2024-25 –CPDCL

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	APGenco-Thermal								
1	Dr. NTPPS	3.90	1,607	181	627	808	1.13	3.90	5.03
2	Dr. NTPPS-IV	3.60	735	72	264	336	0.98	3.60	4.58
3	Dr. NTPPS-V	3.30	1,057	296	349	645	2.80	3.30	6.10
4	RTPP Stage-I	4.40	319	59	140	199	1.85	4.40	6.25
5	RTPP Stage-II	4.40	297	69	131	200	2.34	4.40	6.74
6	RTPP Stage-III	4.40	210	39	92	132	1.88	4.40	6.28
7	RTPP Stage-IV	4.10	674	138	276	414	2.05	4.10	6.15
	AP Genco-Thermal Total		4,897	855	1,879	2,734	1.75	3.84	5.58
	AP GENCO - Hydrel								
8	Srisailam RCPH	0.00	359	53	0	53	1.47	0.00	1.47
9	NSRCPH	0.00	42	6	0	6	1.48	0.00	1.48
10	NSTPDC PH	0.00	23	12	0	12	5.02	0.00	5.02
11	Upper Sileru	0.00	112	63	0	63	5.65	0.00	5.65
12	Lower Sileru	0.00	214	0	0	0	0.00	0.00	0.00
13	Donkarayi	0.00	12	0	0	0	0.00	0.00	0.00
14	PABM	0.00	9	3	0	3	3.62	0.00	3.62
15	Minihydel(Chettipet)	0.00	0	0	0	0	10.66	0.00	10.66
	AP Genco Hydrel Total		772	138	0	138	1.78	0.00	1.78
	Inter State - Hydrel				0				
16	Machkund AP Share	0.00	28	17	0	17	6.11	0.00	6.11
17	TB Dam AP Share	0.00	27	0	0	0	0.00	0.00	0.00
	Inter State - Hydrel Total		55	17	0	17	3.12	0.00	3.12
	APGENCO-TOTAL		5,724	1,010	1,879	2,889	1.76	3.28	5.05

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. / unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	CG Stations				0				
18	NTPC(SR) Ramagundam I & II	3.65	449	33	164	198	0.74	3.65	4.40
19	NTPC(SR) Simhadri Stage-I	3.45	670	70	231	301	1.05	3.45	4.50
20	NTPC(SR) Simhadri Stage-II	3.42	311	46	106	153	1.50	3.42	4.92
21	NTPC(SR) Talcher Stage-II	1.85	256	22	47	69	0.86	1.85	2.71
22	NTPC(SR) Ramagundam III	3.60	105	9	38	47	0.88	3.60	4.48
23	NLC Stage-I	3.20	69	6	22	28	0.82	3.20	4.02
24	NLC Stage-II	3.20	123	11	39	50	0.87	3.20	4.07
25	NPC(MAPS)	2.55	25	0	6	6	0.00	2.55	2.55
26	NPC(KAIGA unit I,II,III,IV)	3.50	158	0	55	55	0.00	3.50	3.50
27	JNNSM Ph-1 Thermal	5.37	14	7	8	15	5.04	5.37	10.41
28	NTPC Kudgi Stage-I		0	0	0	0			
29	NTECL Valluru		0	0	0	0			
30	NTPL(NLC TamilNadu)		0	0	0	0			
31	NLC NNTPS		0	0	0	0			
32	KKNPP Unit-I		0	0	0	0			
33	NLC TPS- I Expn.		0	0	0	0			
34	NLC TPS- II Expn.		0	0	0	0			
35	NTPC Telangana STPS - I		0	0	0	0			
	CGS TOTAL		2,179	205	717	922	0.94	3.29	4.23
	NCE								
36	NCE- Others	6.11	75	3	46	48	0.36	6.11	6.47
37	NCE Solar	3.82	2,278	0	869	869	0.00	3.82	3.82
38	NCE WIND	4.70	1,397	0	657	657	0.00	4.70	4.70
	NCE TOTAL		3,749	3	1,572	1,574	0.01	4.19	4.20

Annexure-09

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	Others								
39	APPDCL Stage-I	3.30	1,509	241	498	739	1.60	3.30	4.90
40	APPDCL Stage-II	3.30	845	237	279	516	2.80	3.30	6.10
41	Godavari Gas Power Plant	7.04	0	4	0	4			
42	SEIL P1 (230MW)	2.56	366	46	94	140	1.26	2.56	3.82
43	SEIL P1 (625MW)	2.47	888	150	219	369	1.69	2.47	4.16
44	SEIL P2 (500MW Firm)	2.47	654	104	162	265	1.58	2.47	4.05
45	SEIL P2 (125MW Open Cap)	4.40	48	8	21	28	1.58	4.40	5.98
46	HNPCL	3.30	1,099	157	363	520	1.43	3.30	4.73
	Others TOTAL		5,409	946	1,635	2,581	1.75	3.02	4.77
47	Market Purchases	7.04	221	0	156	156	0.00	7.04	7.04
	GRAND TOTAL	0.00	17,282	2,163	5,959	8,122	1.25	3.45	4.70

ANNEXURE – 09 (C)

APPROVED: STATION WISE POWER PURCHASE COST FOR FY 2024-25 –EPDCL

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	APGenco-Thermal								
1	Dr. NTPPS	3.90	3,017	340	1,177	1,517	1.13	3.90	5.03
2	Dr. NTPPS-IV	3.60	1,379	135	496	631	0.98	3.60	4.58
3	Dr. NTPPS-V	3.30	1,984	555	655	1,210	2.80	3.30	6.10
4	RTPP Stage-I	4.40	599	111	263	374	1.85	4.40	6.25
5	RTPP Stage-II	4.40	558	130	246	376	2.34	4.40	6.74
6	RTPP Stage-III	4.40	394	74	173	247	1.88	4.40	6.28
7	RTPP Stage-IV	4.10	1,265	260	519	778	2.05	4.10	6.15
	AP Genco-Thermal Total		9,195	1,605	3,529	5,134	1.75	3.84	5.58
	AP GENCO - Hydel								
8	Srisaillam RCPH	0.00	674	99	0	99	1.47	0.00	1.47
9	NSRCPH	0.00	79	12	0	12	1.48	0.00	1.48
10	NSTPDC PH	0.00	44	22	0	22	5.02	0.00	5.02
11	Upper Sileru	0.00	210	119	0	119	5.65	0.00	5.65
12	Lower Sileru	0.00	403	0	0	0	0.00	0.00	0.00
13	Donkarayi	0.00	22	0	0	0	0.00	0.00	0.00
14	PABM	0.00	18	6	0	6	3.62	0.00	3.62
15	Minihydel(Chettipet)	0.00	1	1	0	1	10.66	0.00	10.66
	AP Genco Hydel Total		1,449	259	0	259	1.78	0.00	1.78
	Inter State - Hydel				0				
16	Machkund AP Share	0.00	53	32	0	32	6.11	0.00	6.11
17	TB Dam AP Share	0.00	50	0	0	0	0.00	0.00	0.00
	Inter State - Hydel Total		103	32	0	32	3.12	0.00	3.12

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	APGENCO-TOTAL		10,747	1,896	3,529	5,425	1.76	3.28	5.05
	CG Stations				0				
18	NTPC(SR) Ramagundam I & II	3.65	843	63	308	371	0.74	3.65	4.40
19	NTPC(SR) Simhadri Stage-I	3.45	1,257	131	434	566	1.05	3.45	4.50
20	NTPC(SR) Simhadri Stage-II	3.42	583	87	200	287	1.50	3.42	4.92
21	NTPC(SR) Talcher Stage-II	1.85	481	41	89	130	0.86	1.85	2.71
22	NTPC(SR) Ramagundam III	3.60	198	17	71	89	0.88	3.60	4.48
23	NLC Stage-I	3.20	129	11	41	52	0.82	3.20	4.02
24	NLC Stage-II	3.20	230	20	74	94	0.87	3.20	4.07
25	NPC(MAPS)	2.55	47	0	12	12	0.00	2.55	2.55
26	NPC(KAIGA unit I,II,III,IV)	3.50	296	0	104	104	0.00	3.50	3.50
27	JNNSM Ph-1 Thermal	5.37	26	13	14	28	5.04	5.37	10.41
28	NTPC Kudgi Stage-I		0	0	0	0			
29	NTECL Valluru		0	0	0	0			
30	NTPL(NLC TamilNadu)		0	0	0	0			
31	NLC NNTPS		0	0	0	0			
32	KKNPP Unit-I		0	0	0	0			
33	NLC TPS- I Expn.		0	0	0	0			
34	NLC TPS- II Expn.		0	0	0	0			
35	NTPC Telangana STPS - I		0	0	0	0			
	CGS TOTAL		4,091	384	1,347	1,731	0.94	3.29	4.23
	NCE								
36	NCE- Others	6.11	140	5	86	91	0.36	6.11	6.47
37	NCE Solar	3.82	4,276	0	1,632	1,632	0.00	3.82	3.82
38	NCE WIND	4.70	2,623	0	1,233	1,233	0.00	4.70	4.70

Annexure-09

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	NCE TOTAL		7,039	5	2,951	2,956	0.01	4.19	4.20
	Others								
39	APPDCL Stage-I	3.30	2,834	453	935	1,388	1.60	3.30	4.90
40	APPDCL Stage-II	3.30	1,587	444	524	968	2.80	3.30	6.10
41	Godavari Gas Power Plant	7.04	0	7	0	7			
42	SEIL P1 (230MW)	2.56	688	87	176	263	1.26	2.56	3.82
43	SEIL P1 (625MW)	2.47	1,666	281	412	693	1.69	2.47	4.16
44	SEIL P2 (500MW Firm)	2.47	1,228	194	303	498	1.58	2.47	4.05
45	SEIL P2 (125MW Open Cap)	4.40	89	14	39	53	1.58	4.40	5.98
46	HNPCL	3.30	2,063	295	681	976	1.43	3.30	4.73
	Others TOTAL		10,156	1,776	3,070	4,846	1.75	3.02	4.77
47	Market Purchases	7.04	415	0	292	292	0.00	7.04	7.04
	GRAND TOTAL	0.00	32,449	4,061	11,189	15,250	1.25	3.45	4.70

ANNEXURE – 09 (D)

APPROVED: STATION WISE POWER PURCHASE COST FOR FY 2024-25 –DISCOMS (Total)

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	APGenco-Thermal								
1	Dr. NTPPS	3.90	7,533	850	2,938	3,788	1.13	3.90	5.03
2	Dr. NTPPS-IV	3.60	3,444	336	1,240	1,576	0.98	3.60	4.58
3	Dr. NTPPS-V	3.30	4,954	1,387	1,635	3,022	2.80	3.30	6.10
4	RTPP Stage-I	4.40	1,495	277	658	935	1.85	4.40	6.25
5	RTPP Stage-II	4.40	1,394	326	613	939	2.34	4.40	6.74
6	RTPP Stage-III	4.40	983	185	432	617	1.88	4.40	6.28
7	RTPP Stage-IV	4.10	3,158	648	1,295	1,943	2.05	4.10	6.15
	AP Genco-Thermal Total		22,961	4,009	8,811	12,820	1.75	3.84	5.58
	AP GENCO - Hydel								
8	Srisaialam RCPH	0.00	1,682	247	0	247	1.47	0.00	1.47
9	NSRCPH	0.00	197	29	0	29	1.48	0.00	1.48
10	NSTPDC PH	0.00	109	55	0	55	5.02	0.00	5.02
11	Upper Sileru	0.00	524	296	0	296	5.65	0.00	5.65
12	Lower Sileru	0.00	1,005		0	0	0.00	0.00	0.00
13	Donkarayi	0.00	55		0	0	0.00	0.00	0.00
14	PABM	0.00	44	16	0	16	3.62	0.00	3.62
15	Minihydel(Chettipet)	0.00	2	2	0	2	10.66	0.00	10.66
	AP Genco Hydel Total		3,618	646	0	646	1.78	0.00	1.78
	Inter State - Hydel								
16	Machkund AP Share	0.00	131	80	0	80	6.11	0.00	6.11
17	TB Dam AP Share	0.00	126		0	0	0.00	0.00	0.00
	Inter State - Hydel Total		257	80	0	80	3.12	0.00	3.12

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	APGENCO-TOTAL		26,836	4,735	8,811	13,546	1.76	3.28	5.05
	CG Stations								
18	NTPC(SR) Ramagundam I & II	3.65	2,106	157	770	926	0.74	3.65	4.40
19	NTPC(SR) Simhadri Stage-I	3.45	3,139	328	1,084	1,412	1.05	3.45	4.50
20	NTPC(SR) Simhadri Stage-II	3.42	1,456	218	498	716	1.50	3.42	4.92
21	NTPC(SR) Talcher Stage-II	1.85	1,200	103	222	325	0.86	1.85	2.71
22	NTPC(SR) Ramagundam III	3.60	495	43	178	222	0.88	3.60	4.48
23	NLC Stage-I	3.20	323	27	103	130	0.82	3.20	4.02
24	NLC Stage-II	3.20	576	50	184	234	0.87	3.20	4.07
25	NPC(MAPS)	2.55	117	0	30	30	0.00	2.55	2.55
26	NPC(KAIGA unit I,II,III,IV)	3.50	739	0	259	259	0.00	3.50	3.50
27	JNNSM Ph-1 Thermal	5.37	66	33	35	69	5.04	5.37	10.41
28	NTPC Kudgi Stage-I		0		0	0			
29	NTECL Valluru		0		0	0			
30	NTPL(NLC TamilNadu)		0		0	0			
31	NLC NNTPS		0		0	0			
32	KKNPP Unit-I		0		0	0			
33	NLC TPS- I Expn.		0		0	0			
34	NLC TPS- II Expn.		0		0	0			
35	NTPC Telangana STPS - I		0		0	0			
	CGS TOTAL		10,216	959	3,364	4,323	0.94	3.29	4.23
	NCE								
36	NCE- Others	6.11	350	13	214	227	0.36	6.11	6.47
37	NCE Solar	3.82	10,678	0	4,076	4,076	0.00	3.82	3.82
38	NCE WIND	4.70	6,549	0	3,078	3,078	0.00	4.70	4.70

Annexure-09

S. No.	Generating Station / Stage	EC (Rs. Per unit)	Despatch Energy (MU)	Cost (Rs. Crore)			Cost (Rs. /unit)		
				Fixed	Variable	Total	Fixed	Variable	Total
	NCE TOTAL		17,578	13	7,368	7,381	0.01	4.19	4.20
	Others								
39	APPDCL Stage-I	3.30	7,077	1,132	2,335	3,467	1.60	3.30	4.90
40	APPDCL Stage-II	3.30	3,963	1,110	1,308	2,417	2.80	3.30	6.10
41	Godavari Gas Power Plant	7.04	0	17	0	17			
42	SEIL P1 (230MW)	2.56	1,717	217	440	657	1.26	2.56	3.82
43	SEIL P1 (625MW)	2.47	4,161	702	1,028	1,730	1.69	2.47	4.16
44	SEIL P2 (500MW Firm)	2.47	3,066	486	757	1,243	1.58	2.47	4.05
45	SEIL P2 (125MW Open Cap)	4.40	223	35	98	133	1.58	4.40	5.98
46	HNPCL	3.30	5,152	736	1,700	2,436	1.43	3.30	4.73
	Others TOTAL		25,359	4,435	7,666	12,101	1.75	3.02	4.77
47	Market Purchases	7.04	1,036		730	730	0.00	7.04	7.04
	GRAND TOTAL	0.00	81,025	10,141	27,939	38,080	1.25	3.45	4.70

ANNEXURE – 10

FILING: CATEGORY WISE SALES AND REVENUE AT PROPOSED TARIFF FOR FY 2024-25 –APDISCOMS (Total)

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
LT Total																				
LT Cat-I (A): Domestic (Telescopic)																				
0-30	1193383	906927	1311268	3411578	1701	1337	1852	4890	371	293	406	1070	112	40	29	182	483	333	435	1251
31-75	1416278	1233218	1625087	4274583	1791	1642	2212	5645	601	551	740	1893	118	50	35	203	720	601	775	2096
76-125	1226000	1077511	1495268	3798779	1077	1128	1520	3725	565	583	785	1934	71	34	24	129	636	618	809	2063
126-225	987253	775242	1182739	2945234	784	991	1256	3032	547	660	845	2052	52	30	20	102	599	690	864	2153
226-400	334202	176776	367464	878442	343	531	526	1400	333	484	491	1307	23	16	8	47	355	500	499	1355
>400	102617	35440	97301	235358	160	289	376	825	168	286	375	829	11	9	6	25	179	295	381	855
LT Cat-II : Commercial & Others																				
A (i): Commercial																				
0-50	323530	254897	397419	975846	220	199	268	687	187	157	223	567	15	6	4	25	201	163	227	592
51-100	101642	85749	115604	302995	118	120	155	393	110	109	139	358	8	4	2	14	118	113	142	372
101-300	105037	87697	112530	305264	218	225	289	732	224	229	290	744	14	7	5	26	238	236	295	769
301-500	23975	19350	24303	67628	107	111	139	357	113	116	144	372	7	3	2	13	120	119	146	385
Above 500	38975	31458	38667	109100	551	530	634	1714	604	579	693	1877	36	16	10	62	641	595	703	1939
(ii) Advertising Hoardings	1005	852	1159	3016	3	4	2	9	4	6	3	13	0	0	0	0	4	6	3	13
(iii) Function Halls/Auditoriums	1929	1366	1729	5024	16	10	14	40	20	12	18	49	1	0	0	2	21	12	18	51
(B): Start up power	24	1	5	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Annexure-10

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
(C) : Electric Vehicles (Evs) / Charging stations	50	82	60	192	1	0	0	1	1	0	0	1	0	0	0	0	1	0	0	1
(D) : Green Power	21	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Cat-III : Industry																				
(A): Industry(General)	27088	17877	19740	64705	525	486	490	1500	437	406	396	1240	35	15	8	57	472	421	404	1297
(B): Seasonal Industries (off season)	47	19	6	72	1	1	2	4	0	1	1	3	0	0	0	0	1	1	1	3
(D): Cottage Industries upto 10HP	14118	1879	1732	17729	48	9	3	60	20	3	1	25	3	0	0	3	23	4	1	29
LT Cat-IV : Institutional																				
(A): Utilities (Street lighting, CPWS /PWS and NTR Sujala Pathakam)	94721	33568	59254	187543	706	261	335	1302	534	196	251	981	47	8	5	60	580	204	256	1040
(B): General Purpose	45219	29800	61362	136381	102	73	129	304	85	60	107	252	7	2	2	11	92	62	109	263
(C): Religious Places																				
(i) <= 2kW other than Goshalas	5492	10618	18709	34819	5	8	40	54	3	4	17	23	0	0	1	1	3	4	17	24
(ii) > 2kW	856	1156	728	2740	6	14	5	24	3	7	3	13	0	0	0	1	4	8	3	14
(iii) Goshalas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
LT Cat-V : Agricultural & Related																				
(A): Agriculture																				
(i) Corporate Farmers	779	1657	3297	5733	3	4	8	15	1	2	3	5	0	0	0	0	1	2	3	6
(ii) Non-Corporate Farmers	1238080	507102	297658	2042840	7645	2240	2414	12299	45	18	11	74	0	0	0	0	45	18	11	74
(iii) Salt farming units with Connected Load upto 15HP	332	803	87	1222	1	2	1	4	0	1	0	1	0	0	0	0	0	1	0	1
(iv) Sugarcane crushing	13	11	31	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(v) Rural Horticulture Nurseries	166	4307	1919	6392	1	4	16	21	0	0	0	0	0	0	0	0	0	0	0	0
(vi) Floriculture in Green House	6	13	6	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(B): Aquaculture and Animal Husbandry	14977	23065	34905	72947	458	1113	2326	3897	188	461	949	1598	30	34	37	101	218	495	986	1698
(D): Agro Based Cottage Industries upto 10HP	66	148	173	387	0	4	2	6	0	1	1	2	0	0	0	0	0	2	1	2
(E): Government/Private Lift Irrigation Schemes	101	158	0	259	3	9	0	12	2	6	0	8	0	0	0	0	2	6	0	8

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
HT Category																				
HT Cat-I : Domestic																				
(B): Townships, Colonies, Gated Communities Villas																				
11 Kv	36	34	49	119	15	16	22	53	12	12	17	41	1	0	0	2	13	13	17	43
33 Kv	5	5	3	13	2	4	12	18	2	3	9	14	0	0	0	0	2	3	9	14
132 Kv	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HT Cat-II : Commercial & Others																				
(ii) Major																				
11 kV	1050	1421	1835	4306	220	337	466	1024	286	419	566	1271	15	10	7	32	300	429	574	1303
33 kV	43	34	69	146	26	89	202	318	33	85	204	323	2	3	3	8	35	88	208	330
132 kV	1	0	6	7	29	0	30	59	29	0	41	70	2	0	0	2	31	0	41	72
220 KV	0	0	2	2	0	0	86	86	0	0	65	65	0	0	1	1	0	0	66	66
Commercial, ToD																				
11 kV	0	0	0	0	148	90	136	375	128	78	117	324	10	3	2	15	138	81	120	339
33 kV	0	0	0	0	16	28	55	99	13	22	44	79	1	1	1	3	14	23	45	82
132 kV	0	0	0	0	20	0	6	26	15	0	5	20	1	0	0	1	16	0	5	21
220 KV	0	0	0	0	0	0	18	18	0	0	14	14	0	0	0	0	0	0	14	14
(iv) Function Halls/Auditoriums																				
11 kV	97	150	225	472	5	11	14	30	7	13	18	38	0	0	0	1	7	14	18	39
33 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
(B): Start up power																				
11 kV	1	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 kV	347	39	27	413	27	2	2	31	34	2	3	39	2	0	0	2	36	2	3	41
132 kV	18	1	6	25	6	0	1	7	7	0	2	9	0	0	0	0	7	0	2	9
220 KV	3	0	2	5	1	0	5	6	1	0	6	7	0	0	0	0	1	0	6	7
(C): Electric Vehicles (EVs) / Charging stations																				
11 kV	7	1	16	24	12	2	6	19	9	1	4	14	1	0	0	1	10	1	4	15
33 kV	1	0	0	1	10	0	0	10	8	0	0	8	1	0	0	1	8	0	0	8
132 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(D): Green Power																				
11 kV	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 kV	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HT Cat-III : Industry																				
(High Grid Demand) ToD (Feb'25, Mar'25), (Apr- May'24) & (Sep'24-Oct'24)																				
Peak (06-10) & (18-22)																				
11 kV	0	2249	1946	4195	165	169	271	606	129	471	215	815	11	5	0	16	140	476	215	831
33 kV	0	213	244	457	438	318	451	1208	322	468	333	1123	29	10	0	39	351	478	333	1162
132 kV	0	11	33	44	602	111	311	1023	415	152	215	782	40	3	0	43	455	155	215	825
220 KV	0	0	2	2	107	0	235	342	73	0	161	234	7	0	0	7	80	0	161	241
Off-Peak (10 -15) & (00-06)																				
11 kV	0	0	0	0	235	167	373	776	131	93	207	431	16	5	0	21	146	98	207	451
33 kV	0	0	0	0	602	322	606	1530	307	164	309	780	40	10	0	49	347	174	309	830

Annexure-10

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
132 kV	0	0	0	0	806	115	446	1367	375	53	208	635	53	3	0	57	428	57	208	692
220 KV	0	0	0	0	138	0	331	469	64	0	152	216	9	0	0	9	73	0	152	225
Normal (15-18) & (22-24)																				
11KV	1703	0	0	1703	89	186	197	472	354	117	477	949	6	6	27	39	360	122	504	987
33KV	280	0	0	280	195	144	203	541	507	84	458	1049	13	4	39	56	520	88	497	1106
132KV	38	0	0	38	333	101	150	583	573	54	332	959	22	3	30	55	595	57	361	1013
220 KV	4	0	0	4	62	0	98	160	98	0	223	320	4	0	23	27	102	0	245	347
(Low Grid Demand) ToD (Jun'24-Aug'24) & (Nov'24-Jan'25)																				
Peak (06-10) & (18-22)																				
11KV	0	0	0	0	166	171	280	617	121	125	204	450	11	5	0	16	132	130	204	466
33KV	0	0	0	0	441	324	428	1193	302	222	293	817	29	10	0	39	331	232	293	856
132KV	0	0	0	0	609	105	315	1029	390	67	202	659	40	3	0	43	430	70	202	702
220 KV	0	0	0	0	93	0	256	350	59	0	163	222	6	0	0	6	65	0	163	228
Off-Peak (10 -15) & (00-06)																				
11KV	0	0	0	0	235	169	384	787	130	94	213	437	16	5	0	21	146	99	213	458
33KV	0	0	0	0	599	324	566	1489	306	165	288	759	40	10	0	49	345	175	288	809
132KV	0	0	0	0	811	111	452	1374	377	52	210	639	53	3	0	57	430	55	210	696
220 KV	0	0	0	0	126	0	358	484	58	0	164	222	8	0	0	8	66	0	164	231
Normal (15-18) & (22-24)																				
11KV	0	0	0	0	88	186	205	479	55	117	129	302	6	6	0	11	61	123	129	313
33KV	0	0	0	0	185	150	231	566	108	88	135	331	12	5	0	17	121	92	135	348
132KV	0	0	0	0	317	92	157	566	171	50	85	306	21	3	0	24	192	52	85	329
220 KV	0	0	0	0	56	0	119	174	30	0	64	93	4	0	0	4	33	0	64	97

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
Industrial colonies																				
11KV	12	0	0	12	1	1	3	5	0	1	2	3	0	0	0	0	1	1	2	4
33KV	9	0	0	9	2	11	1	13	1	7	1	9	0	0	0	0	1	8	1	10
132KV	6	0	0	6	5	8	38	51	4	5	27	36	0	0	0	1	4	6	27	36
220 KV	0	0	0	0	4		40	44	3	0	28	31	0	0	0	0	3	0	28	31
(B): Seasonal Industries(Off Season)																				
11KV	57	7	127	191	10	2	17	30	14	5	31	49	1	0	0	1	14	5	31	50
33KV	1	0	2	3	1	1	10	12	1	0	10	11	0	0	0	0	1	0	10	11
132KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(C)(i): Energy Intensive Industries																				
11KV	2	2	0	4	2	1	0	3	1	1	0	2	0	0	0	0	1	1	0	2
33KV	8	0	9	17	212	0	226	437	133	0	136	269	14	0	4	18	147	0	140	287
132KV	5	0	11	16	464	0	2535	2999	274	0	1444	1717	31	0	40	71	304	0	1484	1788
220 KV	0	0	3	3	0	0	1960	1960	0	0	1108	1108	0	0	31	31	0	0	1139	1139
(C) (ii): PV Solar modules manufacturing industries																				
11 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
HT Cat-IV : Institutional																				
(A): Utilities (Composite Protected Water Supply Schemes)																				
11KV	157	100	156	413	103	90	124	317	101	85	117	303	7	3	2	11	108	88	119	315
33KV	22	0	3	25	66	0	3	69	59	0	5	64	4	0	0	4	63	0	5	69
132KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(B): General Purpose																				
11KV	125	105	113	343	51	46	34	131	59	54	43	155	3	1	1	5	62	55	43	160
33KV	5	6	0	11	10	32	0	42	9	31	0	40	1	1	0	2	10	32	0	42
132KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(C): Religious Places																				
11KV	19	9	16	44	13	2	4	19	7	1	2	10	1	0	0	1	8	1	2	11
33KV	2	0	0	2	37	0	0	37	19	0	0	19	2	0	0	2	21	0	0	21
132KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(D) Railway Traction																				
11KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132KV	25	12	21	58	811	506	1002	2320	656	383	785	1823	54	15	16	85	709	398	801	1908
220 KV	5	0	0	5	162	0	0	162	138	0	0	138	11	0	0	11	149	0	0	149

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
HT Cat-V : Agricultural & Related																				
(B): Aquaculture and Animal Husbandry																				
11KV	26	47	47	120	22	19	28	69	9	8	11	28	1	1	0	2	11	8	12	31
33KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(E): Government / Private Lift Irrigation																				
11KV	132	275	121	528	213	44	21	279	153	32	16	200	14	1	0	16	167	33	16	216
33KV	44	16	17	77	238	28	51	317	170	20	37	227	16	1	1	17	186	21	37	244
132KV	15	1	2	18	320	1	0	320	229	1	0	229	21	0	0	21	250	1	0	250
220 KV	21	0	3	21	794	0	247	1041	568	0	176	745	52	0	4	56	620	0	180	801
RESCO																				
Green Power	0	0	0	0	0	4	8	11	0	3	6	10	0	0	0	0	0	3	6	10
Kuppam	1	0	0	1	518	0	0	518	77	0	0	77	34	0	0	34	112	0	0	112
Grand Total (LT+HT)	7302320	5323486	7275328	19901134	28687	15982	29854	74523	13888	9141	17432	40461	1388	393	433	2236	15276	9534	17865	42675

ANNEXURE – 11
APPROVED: DISCOMS-CATEGORY WISE SALES AND REVENUE FOR FY 2024-25

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non-Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
LT Total																				
Cat-I (A): Domestic (Telescopic) – LT																				
0-30	1193383	906927	1311268	3411578	1697	1203	1772	4672	370	267	391	1028	112.23	40.44	29.22	181.89	482	308	420	1210
31-75	1416278	1233218	1625087	4274583	1787	1642	2212	5641	600	551	740	1892	118.21	49.66	34.89	202.76	718	601	775	2095
76-125	1226000	1077511	1495268	3798779	1073	1128	1520	3721	563	583	785	1932	71.04	34.12	23.98	129.14	634	618	809	2061
126-225	987253	775242	1182739	2945234	781	991	1256	3029	545	660	845	2050	51.74	29.97	19.82	101.53	597	690	864	2152
226-400	334202	176776	367464	878442	341	531	526	1398	331	484	491	1306	22.65	16.06	8.30	47.01	354	500	499	1353
>400	102617	35440	97301	235358	158	288	376	822	166	286	375	827	10.57	8.74	5.94	25.25	176	294	381	852
Cat-II : Commercial & Others – LT																				
A (i): Commercial																				
0-50	323530	254897	397419	975846	232	159	237	628	193	135	206	535	14.54	6.01	4.22	24.77	208	141	211	560
51-100	101642	85749	115604	302995	130	120	155	405	119	109	139	367	7.78	3.63	2.45	13.86	127	113	142	381
101-300	105037	87697	112530	305264	230	225	289	744	235	229	290	754	14.36	6.81	4.56	25.73	249	236	295	780
301-500	23975	19350	24303	67628	119	111	139	369	124	116	144	384	7.06	3.35	2.19	12.60	131	119	146	397
Above 500	38975	31458	38667	109100	563	530	634	1726	616	579	693	1889	36.34	16.02	10.00	62.36	653	595	703	1951
(ii) Advertising Hoardings	1005	852	1159	3016	4	4	2	10	5	6	3	14	0.18	0.13	0.03	0.34	5	6	3	14
(iii) Function Halls/Auditoriums	1929	1366	1729	5024	26	10	14	50	32	12	18	62	1.06	0.29	0.22	1.57	33	12	18	63
(B): Start up power	24	1	5	30	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
(C) : Electric Vehicles (Evs) /	50	82	60	192	1	0	0	1	0	0	0	1	0.04	0.01	0.01	0.06	1	0	0	1

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non-Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
Charging stations																				
(D) : Green Power	21	0	0	21	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
Cat-III : Industry - LT																				
(A): Industry(General) - LT	27088	17877	19,740	64,705	605	493	491	1588	491	411	397	1299	34.62	14.7	7.72	57.04	525	426	405	1356
(B): Seasonal Industries (off season)	47	19	6	72	1	3	2	6	0	2	2	5	0.04	0.04	0.03	0.11	1	2	2	5
(D): Cottage Industries upto 10HP	14118	1879	1,732	17,729	58	9	3	70	24	3	1	29	3.18	0.26	0.05	3.49	27	4	1	32
Cat-IV : Institutional - LT																				
(A): Utilities (Street lighting, CPWS/ PWS and NTR Sujala Pathakam)	94721	33568	59,254	187,543	806	247	323	1376	604	187	242	1032	46.59	7.9	5.28	59.77	650	195	248	1092
(B): General Purpose	45219	29800	61,362	136,381	180	73	119	371	139	60	100	299	6.76	2.2	2.03	10.99	146	62	102	309
(C): Religious Places																				
(i) <= 2kW other than Goshalas	5492	10618	18,709	34,819	5	8	40	54	3	4	17	23	0.36	0.25	0.63	1.24	3	4	17	24
(ii) > 2kW	856	1156	728	2740	6	14	3	23	3	7	2	12	0.39	0.42	0.07	0.88	4	8	2	13
Cat-V : Agricultural & Related - LT																				
(A): Agriculture																				
(i) Corporate Farmers	779	1657	3,297	5,733	3	4	8	15	1	2	3	5	0.17	0.13	0.13	0.43	1	2	3	6

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non-Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
(ii) Non-Corporate Farmers	1238080	507102	297,658	2,042,840	6967	2140	2172	11279	45	18	11	74	0	0	0.00	0.00	45	18	11	74
(iii) Salt farming units with Connected Load upto 15HP	332	803	87	1222	1	2	1	4	0	1	0	1	0.05	0.06	0.02	0.13	0	1	0	1
(iv) Sugarcane crushing	13	11	31	55	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
(v) Rural Horticulture Nurseries	166	4307	1,919	6,392	1	4	16	21	0	0	0	0	0	0	0.00	0.00	0	0	0	0
(vi) Floriculture in Green House	6	13	6	25	0	0	0	0	0	0	0	0	0.01	0	0.00	0.01	0	0	0	0
(B): Aquaculture and Animal Husbandry	14977	23065	34,905	72,947	458	1113	2326	3897	188	461	949	1598	30.21	33.65	36.70	100.56	218	495	986	1698
(D): Agro Based Cottage Industries upto 10HP	66	148	173	387	0	4	2	6	0	1	1	2	0.01	0.11	0.02	0.14	0	2	1	2
(E): Government/Private Lift Irrigation Schemes	101	158	0	259	3	9	0	12	2	6	0	8	0.17	0.28	0.00	0.45	2	6	0	8
HT Category																				
Cat-I : Domestic – HT																				
(B): Townships, Colonies, Gated Communities Villas																				
11 kV	36	34	49	119	16	11	24	51	13	9	18	40	0.96	0.48	0.35	1.79	14	9	18	42
33 kV	5	5	3	13	2	4	13	19	2	3	10	14	0.15	0.11	0.2	0.46	2	3	10	15
132 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non-Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
Cat-II : Commercial & Others – HT																				
(ii) Major																				
11 kV	1050	1421	1,835	4,306	250	367	485	1103	309	442	581	1331	14.51	10.2	7.36	32.07	323	452	588	1363
33 kV	43	34	69	146	27	89	209	325	34	85	209	328	1.74	2.69	3.19	7.62	35	88	212	335
132 kV	1	0	6	7	29	0	30	59	29	0	41	70	1.9	0	0.47	2.37	31	0	41	72
220 KV	0	0	2	2	0	0	86	86	0	0	65	65	0	0	1.35	1.35	0	0	66	66
Commercial, ToD																				
11 kV	0	0	0	0	158	100	146	405	137	87	126	350	9.79	2.73	2.14	14.66	147	90	128	365
33 kV	0	0	0	0	16	28	57	101	13	22	45	80	1.08	0.83	0.87	2.78	14	23	46	83
132 kV	0	0	0	0	20	0	6	26	15	0	5	20	1.3	0	0.1	1.4	16	0	5	21
220 KV	0	0	0	0	0	0	18	18	0	0	14	14	0	0	0.29	0.29	0	0	14	14
(iv) Function Halls/Auditoriums																				
11 kV	97	150	225	472	5	12	19	36	7	15	24	45	0.35	0.33	0.22	0.9	7	15	24	46
33 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(B): Start up power																				
11 kV	1	1	2	4	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
33 kV	347	39	27	413	30	2	2	34	38	2	3	43	1.78	0.05	0.03	1.86	40	2	3	45
132 kV	18	1	6	25	7	0	1	8	8	0	2	10	0.37	0.01	0.02	0.4	9	0	2	10
220 KV	3	0	2	5	1	0	6	7	1	0	7	8	0.07	0	0.07	0.14	1	0	7	8
(C): Electric Vehicles (Evs) / Charging stations																				
11 kV	7	1	16	24	15	2	6	22	10	1	4	15	0.76	0.06	0.09	0.91	11	1	4	16
33 kV	1	0	0	1	11	0	0	11	7	0	0	7	0.65	0	0	0.65	8	0	0	8

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non-Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
132 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(D): Green Power																				
11 kV	3	0	0	3	0	0	0	0	0	0	0	0	0.02	0	0	0.02	0	0	0	0
33 kV	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cat-III : Industry – HT																				
(High Grid Demand) ToD (Feb'25, Mar'25), (Apr- May'24) & (Sep'24-Oct'24)																				
Peak (06-10) & (18-22)																				
11 kV	0	0	0	0	215	169	311	696	168	132	243	543	10.92	5.12	0	16.04	179	137	243	559
33 kV	0	0	0	0	488	318	491	1298	359	234	361	954	28.92	9.63	0	38.55	388	244	361	993
132 kV	0	0	0	0	652	61	311	1023	450	42	214	706	39.72	3.34	0	43.06	490	45	214	749
220 KV	0	0	0	0	132	0	235	367	90	0	161	251	7.03	0	0	7.03	97	0	161	258
Off-Peak (10 -15) & (00-06)																				
11 kV	0	0	0	0	235	167	373	776	131	93	207	431	15.53	5.06	0	20.59	146	98	207	451
33 kV	0	0	0	0	602	272	606	1480	307	139	309	755	39.73	9.73	0	49.46	347	148	309	804
132 kV	0	0	0	0	806	65	446	1317	375	30	208	612	53.16	3.46	0	56.62	428	33	208	669
220 KV	0	0	0	0	138	0	331	469	64	0	152	216	9.14	0	0	9.14	73	0	152	225
Normal (15-18) & (22-24)																				
11KV	1703	2249	1,946	5,898	122	186	197	505	375	455	481	1311	5.9	5.61	27.04	38.55	381	461	508	1350
33KV	280	213	244	737	195	103	203	500	507	294	459	1260	12.86	4.35	39.23	56.44	520	299	498	1317
132KV	38	11	33	82	333	51	150	533	573	103	332	1008	21.96	3.05	29.50	54.51	595	106	362	1062
220 KV	4	0	2	6	62	0	98	160	98	0	223	320	4.08	0	22.67	26.75	102	0	245	347

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non-Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
(Low Grid Demand) ToD (Jun'24-Aug'24) & (Nov'24-Jan'24)																				
Peak (06-10) & (18-22)																				
11KV	0	0	0	0	216	171	290	677	158	125	212	494	10.96	5.17	0	16.13	169	130	212	510
33KV	0	0	0	0	491	324	428	1243	336	222	293	851	29.1	9.79	0	38.89	365	232	293	890
132KV	0	0	0	0	659	55	315	1029	422	35	202	659	40.21	3.17	0	43.38	462	38	202	702
220 KV	0	0	0	0	118	0	256	375	75	0	163	238	6.16	0	0	6.16	81	0	163	244
Off-Peak (10 -15) & (00-06)																				
11KV	0	0	0	0	235	169	384	787	130	94	213	437	15.51	5.1	0	20.61	146	99	213	458
33KV	0	0	0	0	599	324	566	1489	306	165	288	759	39.54	9.8	0	49.34	345	175	288	809
132KV	0	0	0	0	811	61	452	1324	377	28	210	616	53.49	3.36	0	56.85	430	32	210	673
220 KV	0	0	0	0	126	0	358	484	58	0	164	222	8.32	0	0	8.32	66	0	164	231
Normal (15-18) & (22-24)																				
11KV	0	0	0	0	113	186	205	504	71	117	129	317	5.79	5.64	0	11.43	77	123	129	329
33KV	0	0	0	0	210	150	231	591	123	88	135	346	12.22	4.53	0	16.75	135	92	135	362
132KV	0	0	0	0	342	92	157	591	184	50	85	319	20.89	2.78	0	23.67	205	52	85	343
220 KV	0	0	0	0	56	0	119	174	30	0	64	93	3.67	0	0	3.67	33	0	64	97
Industrial colonies																				
11KV	12	0	0	12	1	1	3	5	0	1	2	3	0.04	0.02	0	0.06	1	1	2	4
33KV	9	0	0	9	2	11	1	13	1	7	1	9	0.11	0.32	0	0.43	1	8	1	10
132KV	6	0	0	6	5	8	38	51	4	5	27	36	0.34	0.23	0	0.57	4	6	27	36
220 KV	0	0	0	0	4		40	44	3	0	28	31	0.27	0	0	0.27	3	0	28	31
(B): Seasonal Industries(Off Season)																				
11KV	57	7	127	191	10	2	19	32	19	5	32	56	0.67	0.07	0.27	1.01	20	5	33	57
33KV	1	0	2	3	1	1	10	12	1	0	10	12	0.04	0.02	0.16	0.22	1	0	10	12

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non-Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
132KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(C) Energy Intensive Industries																				
11KV	2	2	0	4	2	1	0	3	1	1	0	2	0.1	0.04	0	0.14	1	1	0	2
33KV	8	0	9	17	212	0	251	462	133	0	323	456	13.96	0	3.56	17.52	147	0	327	473
132KV	5	0	11	16	464	0	2555	3019	274	0	1265	1538	30.62	0	39.99	70.61	304	0	1305	1609
220 KV	0	0	3	3	0	0	1960	1960	0	0	1108	1108	0	0	30.93	30.93	0	0	1139	1139
Cat-IV : Institutional - HT																				
(A): Utilities (Composite Protected Water Supply Schemes)																				
11KV	157	100	156	413	153	90	156	399	139	85	142	366	6.8	2.72	1.95	11.47	146	88	144	377
33KV	22	0	3	25	70	0	13	84	62	0	12	74	4.34	0	0.05	4.39	67	0	12	79
132KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(B): General Purpose																				
11KV	125	105	113	343	56	46	39	141	63	54	47	163	3.34	1.39	0.54	5.27	66	55	47	168
33KV	5	6	0	11	12	32	0	44	11	31	0	42	0.67	0.97	0	1.64	12	32	0	43
132KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(C): Religious Places																				
11KV	19	9	16	44	15	2	5	22	8	1	3	11	0.86	0.06	0.06	0.98	9	1	3	12
33KV	2	0	0	2	42	0	0	42	21	0	0	21	2.44	0	0	2.44	24	0	0	24
132KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(D) Railway Traction																				

Annexure-11

Consumer Categories	CONSUMERS				SALES, MU				Total Charges				Non-Tariff Income				Total Revenue			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL
11KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132KV	25	12	21	58	851	473	1102	2426	682	361	850	1893	53.53	15.31	15.82	84.66	735	376	866	1977
220 KV	5	0	0	5	172	0	0	172	144	0	0	144	10.72	0	0	10.72	155	0	0	155
Cat-V : Agricultural & Related – HT																				
(B): Aquaculture and Animal Husbandry																				
11KV	26	47	47	120	22	15	21	57	9	6	8	24	1.48	0.57	0.43	2.48	11	7	9	26
33KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 KV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(E): Government / Private Lift Irrigation																				
11KV	132	275	121	528	109	39	21	170	78	28	16	122	14.08	1.33	0.34	15.75	93	30	16	138
33KV	44	16	17	77	133	25	1	160	95	18	1	114	15.69	0.83	0.81	17.33	111	19	2	132
132KV	15	1	2	18	149	1	0	150	107	1	0	107	21.09	0.03	0	21.12	128	1	0	129
220 KV	21	0	3	24	414	0	47	461	296	0	33	330	52.42	0	3.89	56.32	349	0	37	386
RESCO																				
Kuppam	1	0	0	1	484	0	0	484	72	0	0	72	34.18	0	0	34.18	107	0	0	107
Grand Total (LT+HT)	7302320	5323486	7275328	19901134	28160	15349	29544	73053	14012	8898	17429	40339	1388	415	432	2236	15400	9314	17861	42575

ANNEXURE-12
REVENUE AT FULL COST RECOVERY TARIFFS

Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr)			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrg	SPDCL	CPDCL	EPDCL	Total
LT Cat-I (A): Domestic (Telescopic)												
0-30	1696.75	1203.13	1,772.30	4,672.18	6.23	4.86	3.33	10	1216.20	663.46	673.13	2552.79
31-75	1787.41	1642.25	2,211.56	5641.22	6.51	5.50	4.00	10	1345.68	1011.66	996.46	3353.80
76-125	1072.54	1128.33	1,519.78	3720.65	6.70	6.00	4.50	10	870.36	786.76	809.46	2466.58
126-225	781.09	991.13	1,256.31	3028.53	7.00	7.20	6.00	10	674.90	809.26	864.43	2348.59
226-400	341.25	531.06	525.81	1398.12	8.75	8.75	8.75	10	353.54	499.98	499.20	1352.72
>400	157.96	288.1	376.24	822.30	9.75	9.75	9.75	10	176.39	294.29	381.10	851.78
LT Cat-II : Commercial & Others												
0-50	232.33	158.7	236.58	627.61	5.40	5.40	5.40	75	207.81	141.30	210.63	559.74
51-100	129.96	119.9	155.48	405.34	7.65	7.65	7.65	75	126.92	112.59	141.79	381.30
101-300	229.57	225.21	288.95	743.73	9.05	9.05	9.05	75	249.33	236.12	294.65	780.10
301-500	118.92	110.84	138.79	368.55	9.60	9.60	9.60	75	131.08	119.27	146.24	396.59
Above 500	562.65	529.77	633.57	1725.99	10.15	10.15	10.15	75	652.82	595.30	703.07	1951.19
(iii) Advertising Hoardings	3.71	4.34	2.19	10.24	12.25	12.25	12.25	100	5.20	5.89	3.21	14.30
(iv) Function Halls/Auditoriums	26.04	9.65	14.26	49.95	12.25	12.25	12.25	0	33.07	12.21	17.79	63.07
(B): Start up power	0.11	0	0	0.11	12.25	12.25	12.25	0	0.15	0.00	0.00	0.15
(C) : Electric Vehicles (Evs) / Charging stations	0.70	0.28	0.44	1.42	6.70	6.70	6.70	0	0.52	0.22	0.32	1.06
(D) : Green Power	0.01	0	0	0.01	12.25	12.25	12.25	0	0.01	0.00	0.00	0.01
LT Cat-III : Industry												
(A): Industry(General)	604.71	493.08	490.61	1588.40	6.70	6.70	6.70	75	525.28	425.79	404.71	1355.78
(B): Seasonal Industries (off season)	0.55	3.22	2.14	5.91	7.45	7.45	7.45	75	0.52	2.47	1.65	4.64

Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr)			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrg	SPDCL	CPDCL	EPDCL	Total
(D): Cottage Industries upto 10HP	57.74	8.7	3.25	69.69	3.75	3.75	3.75	20	27.04	3.75	1.49	32.28
LT Cat-IV : Institutional												
(A): Utilities (Street lighting, CPWS/PWS and NTR Sujala Pathakam)	805.99	247.21	322.93	1376.13	7.00	7.00	7.00	75	650.22	194.52	247.51	1092.25
(B): General Purpose	179.68	72.67	118.85	371.20	7.00	7.00	7.00	75	145.97	61.97	101.56	309.50
(C): Religious Places												0.00
(i) <= 2kW other than Goshalas	5.48	8.2	39.82	53.50	3.85	3.85	3.85	30	2.89	4.09	17.15	24.13
(ii) > 2kW	5.85	13.92	3.4	23.17	5.00	5.00	5.00	30	3.57	7.73	2.05	13.35
LT Cat-V : Agricultural & Related												
(A): Agriculture												0.00
(i) Corporate Farmers & IT Assesses	2.53	4.19	8.18	14.90	7.74	8.10	6.90	0	2.16	3.58	5.90	11.64
(ii) Non-Corporate Farmers	6966.97	2139.98	2,171.68	11278.63	8.44	8.50	7.50	0	5924.69	1837.24	1639.48	9401.41
(iii) Salt farming units with Connected Load upto 15HP	0.77	2.03	1.36	4.16	7.70	8.15	7.50	0	0.65	1.74	1.04	3.43
(iv) Sugarcane crushing	0.04	0	0.21	0.25	8.40	8.15	7.00	0	0.03	0.00	0.15	0.18
(v) Rural Horticulture Nurseries	0.96	3.94	15.68	20.58	8.45	8.20	7.50	0	0.82	3.39	11.83	16.04
(vi) Floriculture in Green House	0.14	0.03	0.05	0.22	7.30	7.00	6.00	75	0.12	0.03	0.03	0.18
(B): Aquaculture and Animal Husbandry	457.89	1112.85	2,326.25	3896.99	7.60	8.00	7.00	30	389.53	956.53	1718.55	3064.61
(D): Agro Based Cottage Industries upto 10HP	0.17	3.78	1.58	5.53	7.40	8.20	7.00	20	0.15	3.23	1.15	4.53
(E): Government/Private Lift Irrigation Schemes	2.52	9.2	0	11.72	7.85	8.24	6.40	0	2.15	7.87	0.00	10.02

Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr)			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrg	SPDCL	CPDCL	EPDCL	Total
HT Category												
HT Cat-I : Domestic												
(B): Townships, Colonies, Gated Communities Villas												
11 kV	15.72	11.29	23.89	50.90	7.00	7.00	7.00	75	14.21	9.28	18.29	41.78
33 kV	2.28	3.71	13.11	19.10	7.00	7.00	7.00	75	1.92	2.91	9.76	14.59
132 kV	0.00	0	0	0.00	7.00	7.00	7.00	75	0.00	0.00	0.00	0.00
220 KV	0.00	0	0	0.00	7.00	7.00	7.00	75	0.00	0.00	0.00	0.00
HT Cat-II : Commercial & Others												
(ii) Major												
11 kV	249.96	367.46	485.45	1102.87	7.65	7.65	7.65	475	323.23	451.88	588.05	1363.16
33 kV	27.13	88.8	208.74	324.67	6.95	6.95	6.95	475	35.45	88.01	211.96	335.42
132 kV	28.85	0	29.87	58.72	6.70	6.7	6.70	475	30.92	0.00	41.31	72.23
220 KV	0.00	0	85.53	85.53	6.65	6.65	6.65	475	0.00	0.00	66.50	66.50
Commercial, ToD												0.00
11 kV	158.36	100.39	145.82	404.57	8.65	8.65	8.65	0	146.77	89.57	128.27	364.61
33 kV	16.35	27.54	56.94	100.83	7.95	7.95	7.95	0	14.08	22.72	46.14	82.94
132 kV	19.73	0	6.19	25.92	7.70	7.70	7.70	0	16.49	0.00	4.87	21.36
220 KV	0.00	0	18.31	18.31	7.65	7.65	7.65	0	0.00	0.00	14.30	14.30
(iv) Function Halls/Auditoriums												
11 kV	5.23	11.92	19.14	36.29	12.25	12.25	12.25	0	6.93	15.19	24.05	46.17
33 kV	0.00	0	0	0.00	12.25	12.25	12.25	0	0.00	0.00	0.00	0.00
132 kV	0.00	0	0	0.00	12.25	12.25	12.25	0	0.00	0.00	0.00	0.00
220 KV	0.00	0	0	0.00	12.25	12.25	12.25	0	0.00	0.00	0.00	0.00
(B): Start up power												0.00
11 kV	0.01	0.02	0.01	0.04	12.25	12.25	12.25	0	0.01	0.03	0.02	0.06
33 kV	29.94	1.77	2.17	33.88	12.25	12.25	12.25	0	39.63	2.35	2.78	44.76

Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr)			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrg	SPDCL	CPDCL	EPDCL	Total
132 kV	6.64	0.19	1.22	8.05	12.25	12.25	12.25	0	8.56	0.25	1.53	10.34
220 KV	1.12	0	5.67	6.79	12.25	12.25	12.25	0	1.45	0.00	7.02	8.47
(C): Electric Vehicles (Evs) / Charging stations												
11 kV	14.55	1.89	5.64	22.08	6.70	6.7	6.70	0	10.52	1.33	3.90	15.75
33 kV	10.79	0	0	10.79	6.70	6.7	6.70	0	7.88	0.00	0.00	7.88
132 kV	0.00	0	0	0.00	6.70	6.7	6.70	0	0.00	0.00	0.00	0.00
220 KV	0.00	0	0	0.00	6.70	6.7	6.70	0	0.00	0.00	0.00	0.00
(D): Green Power												0.00
11 kV	0.27	0	0	0.27	12.25	12.25	12.25	0	0.36	0.00	0.00	0.36
33 kV	0.07	0	0	0.07	12.25	12.25	12.25	0	0.09	0.00	0.00	0.09
132 kV	0.00	0.02	0	0.02	12.25	12.25	12.25	0	0.00	0.02	0.00	0.02
220 KV	0.00	0	0	0.00	12.25	12.25	12.25	0	0.00	0.00	0.00	0.00
HT Cat-III : Industry												0.00
(High Grid Demand) ToD (Feb'24, Mar'24), (Apr- May'23) & (Sep'23-Oct'23)												
Peak (06-10) & (18-22)												0.00
11 kV	215.46	169.44	311.36	696.26	7.80	7.80	7.80	475	178.98	137.28	242.86	559.12
33 kV	488.27	318.38	491.46	1298.11	7.35	7.35	7.35	475	387.80	243.64	361.22	992.66
132 kV	651.91	60.53	310.74	1023.18	6.90	6.90	6.90	475	489.54	45.11	214.41	749.06
220 KV	131.57	0	235.03	366.60	6.85	6.85	6.85	475	97.16	0.00	161.00	258.16
Off-Peak (10 -15) & (00-06)												
11 kV	235.33	167.43	373.31	776.07	5.55	5.55	5.55	475	146.14	97.98	207.19	451.31
33 kV	602.12	271.61	606.47	1480.20	5.10	5.10	5.10	475	346.81	148.25	309.30	804.36
132 kV	805.66	64.55	446.35	1316.56	4.65	4.65	4.65	475	427.79	33.48	207.55	668.82
220 KV	138.45	0	330.94	469.39	4.60	4.60	4.60	475	72.83	0.00	152.23	225.06
Normal (15-18) & (22-24)												
11KV	122.41	185.52	197.49	505.42	6.30	6.30	6.30	475	381.12	460.84	507.58	1349.54

Annexure-12

Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr)			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrg	SPDCL	CPDCL	EPDCL	Total
33KV	194.95	102.82	202.6	500.37	5.85	5.85	5.85	475	519.64	298.83	498.26	1316.73
132KV	332.84	50.73	149.9	533.47	5.40	5.40	5.40	475	594.54	105.99	361.55	1062.08
220 KV	61.80	0	98.44	160.24	5.35	5.35	5.35	475	101.74	0.00	245.20	346.94
(Low Grid Demand) ToD (Jun'23-Aug'23) & (Nov'23-Jan'24)												
Peak (06-10) & (18-22)												0.00
11KV	216.03	170.82	289.76	676.61	7.30	7.30	7.30	475	168.66	129.87	211.52	510.05
33KV	490.92	323.68	428.21	1242.81	6.85	6.85	6.85	475	365.38	231.51	293.32	890.21
132KV	659.35	54.79	314.99	1029.13	6.40	6.40	6.40	475	462.19	38.24	201.59	702.02
220 KV	118.36	0	256.48	374.84	6.35	6.35	6.35	475	81.32	0.00	162.86	244.18
Off-Peak (10 -15) & (00-06)												
11KV	235.07	168.61	383.65	787.33	5.55	5.55	5.55	475	145.97	98.68	212.93	457.58
33KV	599.22	323.95	565.67	1488.84	5.10	5.10	5.10	475	345.14	175.01	288.49	808.64
132KV	810.59	61.26	452.33	1324.18	4.65	4.65	4.65	475	430.41	31.85	210.33	672.59
220 KV	126.05	0	357.58	483.63	4.60	4.60	4.60	475	66.30	0.00	164.49	230.79
Normal (15-18) & (22-24)												0.00
11KV	112.79	186.37	204.64	503.80	6.30	6.30	6.30	475	76.85	123.05	128.92	328.82
33KV	210.26	149.83	230.92	591.01	5.85	5.85	5.85	475	135.22	92.18	135.09	362.49
132KV	341.64	91.83	157.44	590.91	5.40	5.40	5.40	475	205.38	52.37	85.02	342.77
220 KV	55.56	0	118.72	174.28	5.35	5.35	5.35	475	33.39	0.00	63.52	96.91
Industrial colonies												
11KV	0.67	0.77	3.48	4.92	7.00	7.00	7.00	0	0.53	0.56	2.44	3.53
33KV	1.63	10.6	1.13	13.36	7.00	7.00	7.00	0	1.28	7.74	0.79	9.81
132KV	5.14	7.6	38.22	50.96	7.00	7.00	7.00	0	3.96	5.55	26.75	36.26
220 KV	4.15		39.77	43.92	7.00	7.00	7.00	0	3.18	0.00	27.84	31.02
(B): Seasonal Industries(Off Season)												
11KV	10.20	2.4	19.21	31.81	7.65	7.65	7.65	475	19.54	4.91	32.60	57.05

Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr)			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrg	SPDCL	CPDCL	EPDCL	Total
33KV	0.59	0.66	10.4	11.65	6.95	6.95	6.95	475	1.37	0.48	9.99	11.84
132KV	0.00	0	0	0.00	6.70	6.70	6.70	475	0.00	0.00	0.00	0.00
220 KV	0.00	0	0	0.00	6.65	6.65	6.65	475	0.00	0.00	0.00	0.00
(C): Energy Intensive Industries												
11 kV	1.57	1.17	0.00	2.74	5.80	5.80	5.80	475	1.33	0.87	15.60	17.80
33 kV	211.58	0.00	250.91	462.49	5.35	5.35	5.35	475	146.70	0.00	326.73	473.43
132 kV	463.97	0.00	2554.55	3018.52	4.95	4.95	4.95	475	304.16	0.00	1304.53	1608.69
220 KV	0.00	0.00	1960.15	1960.15	4.90	4.90	4.90	475	0.00	0.00	1139.04	1139.04
HT Cat-IV : Institutional												
(A): Utilities (Composite Protected Water Supply Schemes)												
11KV	153.05	90.07	155.83	398.95	7.65	7.65	7.65	475	145.81	87.62	143.85	377.28
33KV	70.35	0	13.37	83.72	6.95	6.95	6.95	475	66.61	0.00	12.28	78.89
132KV	0.00	0	0	0.00	6.70	6.70	6.70	475	0.00	0.00	0.00	0.00
220 KV	0.00	0	0	0.00	6.65	6.65	6.65	475	0.00	0.00	0.00	0.00
(B): General Purpose												0.00
11KV	55.63	45.98	38.99	140.60	7.95	7.95	7.95	475	65.88	55.39	47.15	168.42
33KV	12.19	32.22	0	44.41	7.25	7.25	7.25	475	11.54	31.79	0.00	43.33
132KV	0.00	0	0	0.00	7.00	7.00	7.00	475	0.00	0.00	0.00	0.00
220 KV	0.00	0	0	0.00	6.95	6.95	6.95	475	0.00	0.00	0.00	0.00
(C): Religious Places												0.00
11KV	15.00	1.91	5.04	21.95	5.00	5.00	5.00	30	8.57	1.07	2.78	12.42
33KV	42.04	0	0	42.04	5.00	5.00	5.00	30	23.79	0.02	0.00	23.81
132KV	0.00	0	0	0.00	5.00	5.00	5.00	30	0.00	0.00	0.00	0.00
220 KV	0.00	0	0	0.00	5.00	5.00	5.00	30	0.00	0.00	0.00	0.00
(D) Railway Traction												0.00
11KV	0.00	0	0	0.00	6.50	6.50	6.50	350	0.00	0.00	0.00	0.00

Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue (Rs. Cr)			
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	FxChrg	SPDCL	CPDCL	EPDCL	Total
33KV	0.00	0	0	0.00	6.50	6.50	6.50	350	0.00	0.00	0.00	0.00
132KV	851.24	472.82	1,102.42	2426.48	6.50	6.50	6.50	350	735.04	376.44	865.82	1977.30
220 KV	172.48	0	0	172.48	6.50	6.50	6.50	350	155.04	0.00	0.00	155.04
HT Cat-V : Agricultural & Related												
(B): Aquaculture and Animal Husbandry												
11KV	21.91	14.71	20.55	57.17	3.85	3.85	3.85	30	10.60	6.82	8.86	26.28
33KV	0.00	0	0	0.00	3.85	3.85	3.85	30	0.00	0.00	0.00	0.00
132KV	0.00	0	0	0.00	3.85	3.85	3.85	30	0.00	0.00	0.00	0.00
220 KV	0.00	0	0	0.00	3.85	3.85	3.85	30	0.00	0.00	0.00	0.00
(E): Government / Private Lift Irrigation												
11KV	109.44	38.94	21.41	169.79	7.15	7.15	7.15	0	92.55	29.64	15.86	138.05
33KV	132.90	25.47	1.22	159.59	7.15	7.15	7.15	0	110.86	19.10	1.74	131.70
132KV	149.35	0.88	0	150.23	7.15	7.15	7.15	0	127.93	0.66	0.01	128.60
220 KV	414.39	0	46.82	461.21	7.15	7.15	7.15	0	348.78	0.00	37.38	386.16
RESCO				0.00								0.00
Kuppam	484.00	0	0	484.00	1.50	1.50	1.50	0	106.58	0.00	0.00	106.58
TOTAL(LT + HT)	28160.07	15349.04	29543.90	73053.01					23130.28	12658.61	20712.92	56501.81

ANNEXURE-13
SURPLUS/DEFICIENT (MW) IN BASE SUPPLY AT 100% & 80% OF LOAD REQUIREMENT FOR FY 2024-25

MW	FY 25												
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Supply @ Actuals													
Base Supply @ Actual Ex-Bus (Average)	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077
Other than Base Supply (Average)	1,723	2,051	2,488	2,546	3,030	2,545	2,694	2,413	2,169	2,310	2,687	2,734	
Total Supply @ Actual Ex-Bus	8,800	9,128	9,565	9,623	10,107	9,622	9,771	9,490	9,246	9,387	9,764	9,811	

S.No.	Particulars	FY 25												Whole Year
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	FY 25
1	Peak Demand	12,440	12,156	13,294	11,629	12,767	12,031	11,394	11,601	11,811	12,656	13,395	12,833	13,395
2	Base Load (100% of Time)	8,405	7,915	8,409	7,641	8,401	8,027	7,524	7,106	6,470	6,225	7,218	7,847	6,225
3	Base average Supply @ Ex-Bus	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077
4	(Deficit)/Surplus in Base generation (MW)	(1,328)	(838)	(1,332)	(565)	(1,324)	(950)	(448)	(29)	606	852	(141)	(770)	852
5	Base Load (80% of Time)	8,986	8,820	9,409	8,414	9,283	8,975	8,229	8,117	6,957	7,237	8,356	8,575	8,560
6	Base Supply @ Actual Ex-Bus	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077
7	(Deficit)/Surplus in Base generation	(1,909)	(1,743)	(2,332)	(1,337)	(2,206)	(1,898)	(1,152)	(1,041)	120	(160)	(1,279)	(1,498)	(1,483)

ANNEXURE-14
MONTH-WISE SURPLUS/DEFICIENT (MW) & (MU) FOR FY 2024-25

	Monthly Supply for FY 2024-25											in MW
Year/ToD	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-06	8,006	8,485	8,766	8,874	9,373	8,926	8,412	7,858	7,708	7,769	7,934	7,958
06-10	9,072	9,605	9,911	9,806	10,415	9,930	10,539	10,230	9,740	9,675	9,979	10,055
10-15	10,333	10,614	11,080	10,918	11,458	10,969	12,491	12,574	12,249	12,547	13,349	13,447
15-18	8,634	8,812	9,485	9,610	10,073	9,600	9,650	9,333	9,222	9,634	10,140	10,058
18-22	8,148	8,233	8,823	9,165	9,491	8,971	8,388	8,182	7,991	8,068	8,244	8,309
22-24	8,360	8,651	9,091	9,200	9,595	9,055	8,455	8,052	7,914	8,028	8,332	8,420
	Monthly Supply for FY 2024-25											in MU
Year/ToD	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-06	1,441	1,578	1,578	1,651	1,743	1,607	1,565	1,414	1,434	1,445	1,333	1,480
06-10	1,089	1,191	1,189	1,216	1,291	1,192	1,307	1,228	1,208	1,200	1,118	1,247
10-15	1,550	1,645	1,662	1,692	1,776	1,645	1,936	1,886	1,899	1,945	1,869	2,084
15-18	777	820	854	894	937	864	897	840	858	896	852	935
18-22	978	1,021	1,059	1,136	1,177	1,077	1,040	982	991	1,000	923	1,030
22-24	502	536	545	570	595	543	524	483	491	498	467	522
Total	6,336	6,791	6,887	7,159	7,519	6,928	7,269	6,833	6,879	6,984	6,561	7,299

	Monthly Demand for FY 2024-25											in MW
Year/ToD	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-06	8,509	8,336	8,883	7,826	8,624	8,303	7,618	7,605	6,624	6,845	7,812	8,081
06-10	10,053	9,473	10,198	9,368	10,640	10,059	9,183	9,804	9,368	10,327	11,090	10,542
10-15	11,341	10,834	11,271	9,890	11,228	10,766	9,845	10,187	9,652	10,779	11,857	11,547
15-18	9,956	9,652	10,126	8,786	9,895	9,532	8,772	9,164	8,536	9,228	10,315	10,123
18-22	8,834	8,804	9,512	8,777	9,595	9,523	8,861	8,858	8,003	8,081	8,697	8,617
22-24	9,147	9,100	9,699	8,554	9,341	8,982	8,176	7,846	6,756	6,908	7,945	8,486
	Monthly Demand for FY 2024-25											in MU
Year/ToD	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-06	1,532	1,550	1,599	1,456	1,604	1,494	1,417	1,369	1,232	1,273	1,312	1,503
06-10	1,206	1,175	1,224	1,162	1,319	1,207	1,139	1,177	1,162	1,281	1,242	1,307
10-15	1,701	1,679	1,691	1,533	1,740	1,615	1,526	1,528	1,496	1,671	1,660	1,790
15-18	896	898	911	817	920	858	816	825	794	858	866	941
18-22	1,060	1,092	1,141	1,088	1,190	1,143	1,099	1,063	992	1,002	974	1,068
22-24	549	564	582	530	579	539	507	471	419	428	445	526
Total	6,944	6,958	7,148	6,586	7,353	6,856	6,503	6,432	6,095	6,513	6,500	7,136

	(Surplus)/deficit for FY 2024-25											in MW
Year/ToD	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-06	-503	149	-117	1,048	749	623	794	253	1,084	924	122	-123
06-10	-981	132	-287	438	-225	-129	1,356	426	372	-652	-1,111	-487
10-15	-1,008	-220	-191	1,028	230	203	2,646	2,387	2,597	1,768	1,492	1,900
15-18	-1,322	-840	-641	824	178	68	878	169	686	406	-175	-65
18-22	-686	-571	-689	388	-104	-552	-473	-676	-12	-13	-453	-308
22-24	-787	-449	-608	646	254	73	279	206	1,158	1,120	387	-66
	(Surplus)/deficit for FY 2024-25											in MU
Year/ToD	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
00-06	-91	28	-21	195	139	113	148	45	202	172	21	-23
06-10	-117	16	-35	54	-28	-15	168	51	46	-81	-124	-60
10-15	-151	-34	-29	159	36	30	410	358	403	274	209	294
15-18	-119	-78	-57	77	17	6	81	15	64	38	-14	-6
18-22	-82	-71	-82	48	-13	-66	-59	-81	-1	-2	-51	-38
22-24	-47	-28	-37	40	16	4	17	12	72	70	22	-4
Total	-608	-167	-261	573	166	72	766	401	784	471	61	163

ANNEXURE-15
GOVERNMENT LETTER ON SUBSIDY FOR FY 2024-25

File No.ENE01-APER0MISC/3/2024-POWER-III

GOVERNMENT OF ANDHRA PRADESH
ENERGY (POWER-III) DEPARTMENT

Letter No. 2373811/ ENE01-APER0MISC/3/2024-POWER-III dt. 04/03/2024

From
The Special Chief Secretary to Government,
Energy Department,
A.P. Secretariat,
Velagapudi.

To
The Commission Secretary,
A.P. Electricity Regulatory Commission,
Hyderabad.

Sir,

Sub: Energy Dept. - APERC – ARR, Tariff & CSS flings of APDISCOMs FY2024-25 - The subsidy amounts determined by the Commission U/S 65 of the Electricity Act, 2003 to extend tariff concession/free power to certain classes of consumers, as per the various Government Orders – Decision of the Govt. - Communicated - Reg.

Ref: From the Commission Secy. APERC letter No. APERC/Secy/Tariff/F: T-100/D.No. 803/2024, Date:28.02.2024.

&&&&&&

I am to invite your attention to the reference cited and to inform that Government hereby undertakes to provide subsidy amounts determined by the Andhra Pradesh Electricity Regulatory Commission under Section 65 of the Electricity Act, 2003.

Yours faithfully,

K.vijayanand Ias

Special Chief Secretary

Digitally Signed by
K.vijayanand Ias
Date: 04-03-2024 18:00:04
Reason: Approved