

Retail Supply Tariffs 2022-23



COMMON ORDER
on
Tariff for Retail Sale of Electricity
during FY2022-23
&
True-up for Retail Sale of Electricity for
FY2019-20
True-up for Retail Sale of Electricity for
FY2020-21
True-up for Distribution Business for
3rd Control Period (FY2014-15 to FY2018-19)
True-up for Transmission Business for
3rd Control Period (FY2014-15 to FY2018-19)

VOLUME - I

30th March, 2022

Andhra Pradesh
Electricity Regulatory Commission
4th Floor, Singareni Bhavan, Red Hills, Lakdi-ka-pul, Hyderabad 500 004



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4th Floor, Singareni Bhavan, Red Hills, Lakdi-ka-pul,
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True-up for Distribution Business for
3rd Control Period (FY2014-15 to FY2018-19)
True-up for Transmission Business for
3rd Control Period (FY2014-15 to FY2018-19)

In the areas of Supply of

Southern Power Distribution Company of A.P. Ltd. (APSPDCL)
Eastern Power Distribution Company of A.P. Ltd. (APEPDCL)
A P Central Power Distribution Corporation Ltd. (APCPDCL)

30th March, 2022

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FROM THE CHAIRMAN'S DESK



It has been a year since the Commission issued the last Tariff Order for Retail Sale of Electricity for FY 2021 -22. The Covid pandemic which wreaked havoc during FY 2020-21 has, unfortunately, continued unabated during most part of FY2021-22 also with the emergence of new strains of virus causing untold misery to the different strata of people in the society. Fortunately, a significant respite from the Covid pandemic has been observed in recent months with the economy bouncing back to the pre-covid level. Hopefully, the pandemic will become endemic in the near future and will be gradually eliminated.

Keeping in view the continued threat posed to the health and lives of the public by the pandemic, the Commission has conducted the public hearings on the petitions filed by the licensees for the determination of the Retail Supply Tariffs, Cross Subsidy Surcharges (CSS) for FY2022-23, and True-UP of Retail Supply Business for FY2020-21 in the virtual mode on 24.01.22, 25.01.22 and 27.01.22 in Visakhapatnam. 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.

For FY 2022-23, the Commission has taken a decision to club the orders related to the determination of Tariffs for Retail Sale Electricity for FY2022-23 along with the True-Up of Power Purchase Costs for FY2020-21, True-Up of Power Purchase Costs for FY2019-20, True-Up of Transmission Business for FY2014-19 and True-Up of Distribution Business for FY2014-19 and issue this common order as the costs approved in these orders are part and parcel of the Retail Supply Business. Accordingly, the Commission divided this common order into two Volumes. Volume-I consists of the determination of Retail Supply Tariffs and CSS for FY2022-23 and Volume-II consists of the determination of True-Ups of Power Purchase Costs for FY2019-20 and FY2020-21, True-Ups of Transmission and Distribution Businesses for FY 2014-19.

As most of the stakeholders may be aware, the DISCOMs are in a dire financial situation with their combined losses standing at a whopping Rs.28,000 crores. In this regard, it may be noted that the collapse of the DISCOMs due to their financial losses is not in the best interests of the consumers. In order to bail out the DISCOMs, the Commission has been taking several proactive steps like addressing the letters to the GoAP to release the pending dues, issuing stern directions to the DISCOMs to realise the subsidy dues from the government and the CC arrears from the government departments and local bodies and to disconnect the services if the CC dues are not paid, optimization of power purchase costs, reducing the dependency of the DISCOMs on the government subsidies to the extent possible, and only approving those investment proposals that actually provide the benefits and do not impose any unnecessary financial burden on the DISCOMs, etc.

However, these measures alone are not sufficient to bail out the DISCOMs unless the same are backed up by the increase in retail tariffs to commensurate with

the increase in the power purchase and other costs. For example, there has been no increase in the tariff for 0-50 units slab for the domestic category during the last two decades. Even for other slabs in the domestic category, the tariffs were last revised in FY 2013-14 except for the tariff for units >500 units and change in Groupings. Further, in a recent judgement, the Hon'ble High Court of AP has upheld the PPAs relating to Wind & Solar Power developers. As a result, the Commission is required to pay full tariff as per PPAs for solar and wind power. With this addition of about Rs.3300 Cr. in ARR, the cost of the tariff has gone up considerably.

In the above backdrop, the Commission has come to the conclusion that the DISCOMs are no longer in a position to sustain their operations unless the tariffs for retail supply are increased. In this regard, the Commission has examined the possibility of increasing tariffs for other categories of consumers such as industrial and commercial, etc. by sparing the poor and middle-class domestic consumers and noticed that these categories of consumers are already saddled with high tariffs. Any further increase in tariffs for these categories is highly unsustainable for them. For example, if the tariffs to the industrial category become so unsustainable, it will lead to the closure of the industries which will affect the livelihood of millions of people and the economy of the State as a whole. As regards the agricultural category, the GoAP is bearing the entire burden of agricultural consumption at the CoS rate for this category. Further, the Commission has to comply with the mandate of National Tariff Policy, 2016, and the orders of Hon'ble APTEL not to increase the tariffs of subsidising categories beyond 120% of their Cost of Service. Moreover, as per the National Tariff Policy, 2016, the tariff for consumers below the poverty line shall be at least 50% of the average cost of supply. For the aforementioned reasons, the Commission has been left with no option other than to increase the tariffs for domestic consumers across all the slabs depending on the scale of their

consumption. However, keeping in view the less paying capacity of the poor and middle-class consumers, the Commission affected only modest increases to the tariffs of these consumers. Even after the above increase, the tariffs for the consumption up to 75 units are still much below 50% of the average cost of supply. The Commission, while rationalising tariff structure by progressively increasing tariff, based on higher consumption also decided to abolish the groups among domestic consumers and introduce a common telescopic system to rectify the anomaly of sudden jump in CC charges with the difference of one unit in the older slab system. At present, the Goshalas are being billed under category IV-C. The Goshalas requested the Commission to include them under category V (B). However, the Commission feels that their nature of the activity is religious and accordingly brought them under the religious category fixing the tariff payable by them at Rs.3.85/unit.

While it is important to balance the interests of the DISCOMs and the consumers as regards the tariff, it is equally imperative that the DISCOMs shall improve the quality of the services rendered by them in areas such as the Standards of Performance (SoP), compensation to the victims of electrical accidents, payment of compensation under the works of licensees rules, and the release of agriculture services strictly as per seniority, etc. In this regard, the Commission has taken several measures to improve the licensees' performance in the said service areas such as amending the SoP Regulation to provide for automatic compensation by the DISCOMs to the consumers for failure to meet standards in respect of certain services, issuing guidelines for the release of agriculture services, obtaining the quarterly reports from the licensees to monitor their performance in the said service areas, posting of the SoP data and the details of agriculture services released on the websites of the Commission and the DISCOMs. I am happy to note that the above measures have started yielding results as seen from the marked improvement in the said services

over a period of time and remarkable reduction of complaints on DISCOMs' services in the recent public hearings on ARR as compared to the earlier public hearings. Apart from the above measures, the Commission is providing assistance to the consumers whenever they are bringing their genuine grievances to the notice of the Commission, calling for reports from the licensees and issuing appropriate directions to them to take action for redressal of genuine grievances of the consumers.

On its part, the State Government has extended its cooperation in the best possible manner by undertaking to bear the entire subsidy burden of Rs.11,123 crores and thereby avoiding the necessity of increasing the tariffs to the majority categories of consumers to fill the revenue gap.

I take this opportunity to appreciate the CMDs, officers/staff of the DISCOMs, and other stakeholders for the unstinting cooperation extended by them to the Commission during the public hearings. I must also place on record my appreciation for the impeccable conduct of the representatives of the political parties and consumer organisations while submitting their views during the public hearings. In this context, I would like to inform the stakeholders that through the virtual mode of hearings, the Commission 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.

My colleague members of the Commission Sri P. Rajagopal Reddy, Sri Thakur Rama Singh, are the two pillars of support to me in performing this daunting task. I will be failing in my duty if I do not acknowledge the contribution of the SAC members who guided the Commission through their valuable suggestions in the SAC meeting held on 28-01-2022. The officers and staff of the Commission, in particular,

Mr. D. Ramanaiah Setty, ably assisted by Smt.P.V.Padmaja, Mr.P.Murali Krishna, Mr. C.Ramakrishna and Mr. K.Raja Bapaiah and the SPDCL's team of officers led by Mr. P.H. Janaki Ram, Smt. A.Srilatha of APEPDCL, Sri R. Sai Srinivas of APCPDCL and Smt.P. Jyostna Rani of APTRANSCO, deserve special praise for their marathon efforts in bringing out this stupendous work. All in all, I think the Commission has come out with a balanced order after duly addressing the concerns of all the stakeholders, given the various constraints. I assure all the stakeholders that the shortcomings, if any, that may be noticed in the working of this common order will be redressed in future tariff orders.

Hoping for a better future for the power sector,

Yours sincerely,

Sd/-

(JUSTICE C. V. NAGARJUNA REDDY)
CHAIRMAN

**ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
HYDERABAD**

Present

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

WEDNESDAY, THE THIRTIETH DAY OF MARCH, TWO THOUSAND AND TWENTY TWO

(i) In the matter of

**TARIFF DETERMINATION FOR RETAIL SALE OF ELECTRICITY DURING
FY2022-23 and True-up of Retail Supply Business for FY2020-21**

in

O.P.No.122 of 2021
Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL)

O.P.No.123 of 2021
Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL)

and

O.P.No.124 of 2021
Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL)

(ii) In the matter of True-up of Retail Supply Business for FY2019-20

in

O.P.No.15 of 2021
Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL)

and

O.P.No.37 of 2021
Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL)

(iii) In the matter of Determination of the True-up for Distribution Business for 3rd Control Period (FY2014-15 to FY2018-19)

in

O.P.No.34 of 2020
Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL)

and

O.P.No.41 of 2020
Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL)

(iv) In the matter of True-up of Transmission Business for 3rd Control Period (FY2014-15 to FY2018-19)

in

O. P. No 46 of 2020
Transmission Corporation of Andhra Pradesh Ltd.Petitioner

and

Eastern Power Distribution Company of Andhra Pradesh Ltd,
Southern Power Distribution Company of Andhra Pradesh Ltd,
A P Central Power Distribution Corporation Ltd.Respondents

As the issue in all the Original Petitions (O.Ps) relate to Retail Supply Business of the three Distribution Companies in the State, they are being disposed of by this common order in accordance with the provisions of the Electricity Reforms Act 1998, Electricity Act, 2003 and extant regulations therein.

CHAPTER – I

In the matter of

**TARIFF DETERMINATION FOR RETAIL SALE OF ELECTRICITY DURING
FY2022-23**

in

O.P. No. 122 of 2021

Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL)

O.P.No.123 of 2021

Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL)

and

O.P.No.124 of 2021

Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL)

Introduction

1. The Aggregate Revenue Requirement (ARR) and Filing for Proposed Tariff (FPT) filed by Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL or SPDCL) vide O.P.No.122 of 2021, Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL or EPDCL) vide O.P.No.123 of 2021 and Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL or CPDCL) vide O.P.No.124 of 2021 in respect of their individual Retail Supply businesses for various consumer categories for FY2022-23 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 No.36 of 2003) and after careful consideration of the material available on record, the Commission in exercise of the powers vested in it under the said Central Act No.36 of 2003, the Andhra Pradesh Electricity Reform Act, 1998 (State Act 30 of 1998) and the APERC (Terms and Conditions for Determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005 (Regulation No.4 of 2005) hereby passes this order for determination of Retail Supply Tariff for FY2022-23.
2. Consequent to the coming into force of the Andhra Pradesh Reorganization Act, 2014 (Central Act No.6 of 2014) (hereinafter referred to as the Reorganization Act) and in terms of the provisions of section 92 of the said Act read with Schedule XII (C) (3) and Section 82 of the Electricity Act, 2003, the Government of Andhra Pradesh issued 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

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

Statutory Provisions

5. 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.
6. Regulation No.4 of 2005 notified by the Commission introduced Multi Year Tariff (MYT) framework and accordingly, each distribution licensee has to file ARR along with FPT with the Commission for determination of Tariff for (a) Distribution business (Wheeling Charges) and (b) Retail Supply Business, for a period of 5 years (called Control Period). The 4th Control Period covers five years from FY2019-20 to FY2023-24.

Filing requirements and permission for Annual Filings

7. The Central Act No.36 of 2003 as well as Regulation No.4 of 2005 mandate that a distribution licensee shall file for each of its licensed businesses an application, in such form and in such manner as specified and in accordance with the guidelines issued by the Commission for each year of the Control Period, not less than 120 days before the commencement of the first year of the Control Period, for approval of the Commission. Hence, SPDCL, EPDCL, and CPDCL (hereinafter jointly referred to as the 'Distribution Companies' or 'DISCOMs') had to file their Aggregate Revenue

Requirement (ARR) and Filings for Proposed Tariff (FPT) before 30.11.2021 as per Regulation No.4 of 2005.

- 8.** On behalf of all the three DISCOMs of AP State, APCPDCL submitted a letter to the Commission on 23.11.2021 for permission to submit the ARR & FPTs on annual basis by stating the following reasons:
- Generation from Renewable Sources like Solar & Wind is highly unpredictable and higher penetration of these sources in the power purchase portfolio is hindering the process of projection/forecasting for more than a year.
 - The coal supply constraints are expected to continue in the near future also owing to the fact that the international coal prices are still hovering on a higher side, and most of the thermal plants which are dependent on imported coal are scouting for domestic coal on a competitive basis.
 - The electricity demand is recovering from the Covid-19 impact in the State, and amid the looming threat of COVID-19 third wave hitting India, as predicted by National & International health agencies, it is difficult to foresee the sectoral consumption for the multi-year period.
 - Constraints associated with coal logistics and the recent impact of the same on the power supply situation in the entire country including in our State are hampering the generating companies to project their expected generations for the coming two years period.
- 9.** The Commission having examined the difficulties explained by the three CMDs personally, the reasons submitted in the aforementioned letter, and the fact that the filings on annual basis would not affect the interest of any stakeholder, permitted all the three DISCOMs to file ARR & FPT applications for their Retail Supply Business on an annual basis for FY2022-23 on or before 30.11.2021, vide its proceedings No.13/T-94/2021, dt.27.11.2021.
- 10.** Later, on behalf of all the three DISCOMs of AP State, APCPDCL sought extension of time up to 06.12.2021 and later up to 13-12-2021 vide its letters dated 30.11.2021 & 06.12.2021 respectively for filing of ARR for FY2022-23 in view of their busy activities in the restoration of normalcy after heavy rains and JAWAD cyclone hit the State. The Commission having examined the request of the DISCOMs, extended time up to 06.12.2021 and subsequently up to 13.12.2021 for filing ARR for FY2022-23 vide Lr. No. APERC/Secy/Tariff/F:94/D.No.623/2021, dt.01-12-2021 and Lr.No.APERC/Secy/Tariff/F:94/D.No.652/2021, dt.13-12-2021 respectively.

ARR, FPT Filings for FY2022-23, Public Notice and information to GOAP

- 11.** 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 FY2022-23 and True-up proposals for FY 2020-21 on 13.12.2021. The ARRs & FPTs, Cross Subsidy Surcharge proposals for FY 2022-23 along with True-up proposals for FY 2020-21 filed by the DISCOMs have been taken on record by the Commission and were assigned O.P. Nos.122 of 2021, 123 of 2021, and 124 of 2021 for APSPDCL, APEPDCL & APCPDCL respectively.
- 12.** The filings along with the computation sheets in excel submitted by the DISCOMs were uploaded on the Commission's website. By letter dated 21.12.2021, the Commission directed the DISCOMs to issue a public notice in the Telugu language in two Telugu daily newspapers and in the English language in two English daily newspapers incorporating a summary of their ARRs, FPT Schedules, CSS proposals & True-up proposals for FY2020-21 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 13.01.2022. 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, and true-up proposals to take notes thereof during office hours at any of the said offices free of charge.
- 13.** Further, the Commission decided to conduct public hearings through video conference on 24th, 25th, and 27th of January 2022 on the filings of all the three DISCOMs. The DISCOMs were therefore directed to publish in the same public notice on filings, the date & timings, 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.
- 14.** In compliance with the directions of the Commission, the DISCOMs caused the publication of public notices in their respective areas of operation, in the Telugu Language in two (2) Telugu daily newspapers (In 'Sakshi' and 'Eenadu' newspapers on 23.12.2021) and in the English Language in two (2) English daily newspapers (In 'The HINDU' and 'The Times of India' newspapers on 23.12.2021) - (Annexure-01) incorporating a summary of their ARRs, proposed Tariff Schedules, CSS proposals for various consumer categories along with a summary of True-up proposals for FY2020-21 & other details as directed, inviting views/objections/suggestions on these filings. It was also informed in the public notice that all the interested

persons/associations/stakeholders/objectors who want to be heard in person/ through authorized representatives may appear before the Commission during the public hearings through video conference. The filings & computations in excel sheets were also uploaded on the websites of the DISCOMs.

15. The Commission vide its letter dated 07.01.2022 communicated the schedule of public hearings through video conference to the Energy, I&I 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 FY2022-23.

Response to the Public Notices

16. 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

17. 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, APEPDCL, Visakhapatnam from 10.30AM onwards on 24-01-2022, 25-01-2022 and 27-01-2022, in order to have the widest consultations possible and also the benefit of maximum inputs in finalizing the tariff for the retail sale of electricity by the DISCOMs including CSS for various consumer categories for FY2022-23 & True-up for FY2020-21.
18. The DISCOMs have made uninterrupted video conference arrangements at each and every Executive Engineer's operation office in each district having given wide publicity through print and electronic media about public hearings and participation facilities to the public for submitting their views/objections/suggestions to the Commission on their ARR, Tariff, CSS & True-up proposals. The public hearings were conducted from 10.30 AM to 4.30 PM (with a lunch break of one hour) or till all the objectors were fully heard on all three days. The Chairman & Managing Director of each DISCOM made a

brief presentation on their filings at the beginning of the first day. Then the stakeholders who registered for participation in the public hearings were heard in detail apart from receiving all written representations presented by them during the three days of the public hearing. The Commission also heard the views/objections/suggestions from persons who have not registered to speak during the public hearings but appeared during public hearings through video conference, after hearing the registered objectors every day. At the end of the third day, the Chairman & Managing Director of the DISCOMs concerned gave a detailed response to each of the views/objections/suggestions presented by the objectors during the three days of the hearings. The representative of GoAP also presented the Government's response to the proposals of the DISCOMs and on the public views.

19. After the public hearings, the Commission held a meeting of the State Advisory Committee through video conference on 28.01.2022 by sitting along with CMDs in the Conference Hall, Corporate Office of APEPDCL at Visakhapatnam, wherein the views of the members on the ARR, FPTs, CSS & True-up proposals of the DISCOMs were elicited.
20. The views/objections/suggestions expressed by the stakeholders and/or their representatives (Annexure-02), in writing and/or in person through video conference and the replies furnished by the DISCOMs in writing and/or through oral responses during the public hearings in respect of ARR, Tariff and CSS proposals of the DISCOMs for FY2022-23 and the views expressed by the members of the State Advisory Committee (SAC) in the SAC meeting on the filings of the DISCOMs (Annexure-24), have been carefully considered by the Commission while arriving at the conclusions in this Order, in so far as the determination of ARR, Tariff & CSS for various consumer categories for FY2022-23 & True-up for FY2020-21 is concerned.

Summary of Filings

21. The summary of the filings of the three DISCOMs is placed in the following paragraphs.

Sales and Power Purchase Requirement

22. The DISCOMs forecasted/estimated the sales volume to the different consumer categories during FY2022-23 at 66529.86 MU for the entire State, comprising 26335.41 MU in respect of SPDCL, 24887.73 MU in respect of EPDCL, and 15306.72 MU in respect of CPDCL in their respective areas of supply. The power purchase requirement is arrived at by grossing up sales at respective voltage levels with applicable losses. For grossing up the sales, the DISCOMs have adopted the following percentage losses:

- a) Distribution losses: The distribution loss percentages projected voltage wise by APSPDCL, APEPDCL and APCPDCL for FY2022-23 are as follows:

Voltage Level	APSPDCL	APEPDCL	APCPDCL
33 kV	3.21%	2.76%	3.11%
11kV	3.33%	3.05%	3.17%
LT	4.54%	3.95%	3.64%

- b) Transmission losses: The Transmission losses have been considered as 4.00% and used to gross up the total energy requirements at DISCOM periphery.

The power purchase requirement for FY2022-23 for the State as a whole was computed at 74815.23 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 requirement as per filings is given in the table below:

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

S. No.	DISCOM	Sales (MU)	Losses (MU)	Power purchase requirement (MU)
(a)	(b)	(c)	(d)	(e)=(c)+(d)
1	SPDCL	26335.41	3401.34	29736.75
2	EPDCL	24887.73	2845.99	27733.72
3	CPDCL	15306.72	2038.04	17344.76
4	Total	66529.86	8285.37	74815.23

Energy availability and Surplus/Deficit

- 23.** Based on contracted supply sources, the DISCOMs have estimated the available energy during FY2022-23 at 69982.88 MU for the entire State. The summary of power purchase requirement, availability, and surplus/deficit for each DISCOM and for the entire State as per the filings is shown in the table below:

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

Item	APSPDCL	APEPDCL	APCPDCL	Total
(1)	(2)	(3)	(4)	(5)
Availability	36484.03	20325.23	13173.62	69982.88
Power Purchase Requirement	29736.75	27733.72	17344.76	74815.23
Surplus/Deficit (-)	6747.28	-7408.49	-4171.14	-4832.35

Aggregate Revenue Requirement Items

- 24.** 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 FY2022-23. The transmission cost is stated to be as per the order dated 08.03.2019 issued by the Commission on Transmission Tariffs. The State Load Dispatch Centre (SLDC) cost is stated to be as per the order dated 08.03.2019 issued by the Commission on SLDC Fees and Operating Charges. The distribution cost is stated to be as per the order dated 15.04.2019 issued by the Commission on Wheeling Tariffs for the distribution business. The costs associated with the usage of the PGCIL network are based on the latest rates approved by CERC to evacuate the power from Central/Interstate Generating stations. The interest cost on consumers' security deposits is stated to be as per the procedure in vogue. The supply margin is stated to be computed at the rate of 2 percent on 25 percent equity portion of approved regulated rate base as per Distribution MYT Order dated 15.04.2019 issued by the Commission.
- 25.** 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.
- 26.** With these ARR line items, as detailed above, the DISCOMs computed/estimated the ARR for FY2022-23 as shown in the table below:

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

S. No.	ARR Items	SPDCL	EPDCL	CPDCL	TOTAL
1	Transmission Cost	1206.30	991.65	696.13	2894.08
2	SLDC Cost	46.67	14.05	9.10	69.82
3	Distribution Cost	3790.31	2987.77	2192.68	8970.76
4	Additional Interest on Pension bonds as per APGENCO Order	399.43	0.00	0.00	399.43
5	PGCIL Expenses	467.07	418.33	269.57	1154.97

S. No.	ARR Items	SPDCL	EPDCL	CPDCL	TOTAL
6	ULDC Charges	2.49	2.23	1.44	6.16
7	Network and SLDC Cost (1+2+3+4+5+6)	5912.27	4414.03	3168.92	13495.22
8	Power Purchase Cost	12294.04	11387.34	7197.34	30878.72
9	Interest on CSD	94.67	120.20	52.33	267.20
10	Supply Margin in Retail Supply Business	39.37	24.42	22.72	86.51
11	Other Costs, if any	8.34	67.66	6.75	82.75
12	Additional Interest on pension bonds (As approved in APGENCO MYT order)	0.00	357.74	230.53	588.27
13	Supply Cost (8+9+10+11+12)	12436.42	11957.36	7509.67	31903.45
14	Aggregate Revenue Requirement (ARR) (7+13)	18348.69	16371.39	10678.59	45398.67

Expected Revenue from Charges (ERC)

- 27.** 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 FY2022-23. They proposed merging of Groups B and C, some changes in slabs and tariff rates for LT Domestic consumers, merging of minor and major sub-categories in LT Commercial, merging of sub-categories of religious places in LT Institutional Category, and some changes in TOD slots & prices for HT Industrial sector Consumers. The summary of ARR, ERC (current tariffs), ERC (proposed tariffs), and Revenue Gap with and without category/tariff modifications for each licensee during FY2022-23 as per the filings is given in the table below:

Table 4: Filings: ARR, ERC and Revenue Gap for FY2022-23 (Rs. Cr.)

S. No.	Item	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	ARR	18348.69	10678.59	16371.39	45398.67
2	Revenue from Current Tariffs	11473.52	7805.69	13100.55	32379.76
3	Non-Tariff Income	1093.50	391.07	392.42	1876.99
4	Revenue from CSS	118.08	29.95	60.90	208.93
5	Revenue from RECs	0.00	0.00	0.00	0.00
6=(2)+(3) +(4)+(5)	Total Revenue	12685.10	8226.71	13553.87	34465.68
7= (1)-(6)	Revenue Gap at present Tariffs	5663.59	2451.88	2817.53	10932.99
8	Addl. Revenue from Proposed category/Tariff modifications	318.78	239.20	329.40	887.38
9	Addl. Revenue as per Go.Rt.No.161, dt.15-11-2021	5344.81	2212.68	2488.13	10045.61
9=(7)-(8+9)	Net Revenue Gap at proposed Tariffs	0.00	0.00	0.00	0.00

The DISCOMs have filed Zero Net Gaps by proposing Full Cost Recovery tariff.

Modifications in categories and tariff

- 28.** The DISCOMs have proposed to continue with the same five (5) categories as being approved by the Commission since FY2019-20. They proposed modifications in the existing structure for certain categories of consumers for FY2022-23 in order to rationalize the tariff structure as detailed in the following paragraphs.

Category-I Domestic LT

- 29.** The DISCOMs have proposed the groups, slabs for domestic consumers as given below:

Fixed charges Rs.10 per kW as was approved for FY 2021-22.

Energy charges from 01.04.2022 to 31.07.2022 as approved in the RST order for FY2021-22 as shown in the table below:

Low Tension	Energy Charges (Rs./Unit)
I(A): Domestic -LT	
Group A: Consumption \leq 75 Units during the billing month	
0-50	1.45
51-75	2.60
Group B: Consumption $>$ 75 and \leq 225 units during the billing month	
0-50	2.60
51-100	2.60
101-200	3.60
201-225	6.90
Group C: Consumption $>$ 225 units during the billing month	
0-50	2.65
51-100	3.35
101-200	5.40
201-300	7.10
301-400	7.95
401-500	8.50
Above 500 units	9.95

Energy charges from 01.08.2022 to 31.03.2023 as shown in the table below:

Low Tension	Energy Charges (Rs. / Unit)
I(A): Domestic -LT	
Group A: Consumption \leq 75 Units during the billing month	
0-30	1.45
31-75	2.80
Group B: Consumption $>$ 75 units during the billing month	
0-100	4.00
101-200	5.00
201-300	7.00
above 300	7.50

Category-II Commercial and others

30. The DISCOMs proposed to merge minor and major sub-groups under LT supply. The existing and proposed tariffs for FY 2022-23 are given in the table below:

LT	Existing tariff (Rs per kW or Rs. per unit)			Proposed Tariff (Rs per kW or Rs. per unit)		
II	COMMERCIAL & OTHERS			COMMERCIAL & OTHERS		
	(A): Commercial	Fixed charges	Energy charges	(A): Commercial	Fixed charges	Energy charges
	(i) Minor 0-50 Unit	55/kW	5.40	0-50 Units	75/kW	5.40
	(ii) Major 0-50	75/kW	6.90			

Category IV-Institutional

31. The DISCOMs proposed to merge minor and major sub-groups under LT supply. The existing and proposed tariffs for FY 2022-23 are given in the table below

LT	Existing tariff (Rs per kW or Rs per unit)			Proposed Tariff (Rs per kW or Rs per unit)		
IV	INSTITUTIONAL			INSTITUTIONAL		
	(C): Religious Places	Fixed charges	Energy charges	(C): Religious Places	Fixed charges	Energy charges
	(i) ≤ 2 kW	30/kW	4.80	(C): Religious Places	30/kW	5.00
	(ii) > 2 kW	30/kW	5.00			

ToD slot changes for HT-Industrial Consumers:

32. The DISCOMs have proposed modifications for Time of Day (ToD) slots and incentives/penalties over normal base tariffs during the proposed ToD slots stated to be based on existing Industrial load patterns across different voltages, the trend of exchange Prices during high demand season & low Demand season. They further stated that these proposals are made for encouraging industrial consumption (HT Industry General) during day time to match surplus solar power/power available at lower market prices during the daytime, and for slightly discouraging consumptions during peak time slots. The existing and proposed modifications in ToD are given below:

Existing:

ToD-Slot	Nature	April'21 to March '22 (incentive/penalty over the base tariff, Rs. per unit)
06-10	Peak	1.00
10-18	Normal	-
18-22	Peak	1.00
22-06	Off-Peak	-1.00

Proposed:

ToD-Slot	Nature	February-May (High Grid Demand)	June- August (Low Grid Demand)	Sept-Oct (High Grid Demand)	Nov-Jan (Low Grid Demand)
		(incentive/penalty over base tariff, Rs. per unit)			
06-10	Peak	2.00	1.00	2.00	1.00
10-15	Day	-0.50	-0.50	-0.50	-0.50
15-18	Normal	0.00	0.00	0.00	0.00
18-22	Peak	2.00	1.00	2.00	1.00
22-24	Normal	0.00	0.00	0.00	0.00
24-06	Off-Peak	-0.50	-0.50	-0.50	-0.50

33. Other Proposals:**A. Restricting bulk consumers from accessing RTM:**

The DISCOMs have submitted proposals to restrict the bulk consumers to purchase power in the real time market. In support of their proposal, they stated that the bulk consumers can purchase power at a very short advance period /lead time of just 6 time blocks (1 hour 30 Minutes before) in the real time market. That the Distribution Companies are furnishing the drawal schedules on day ahead basis and the State Load Dispatch Centre (SLDC) is confirming the drawal schedules based on the Load Generation Balance Report (LGBR) for the next day by the evening of the current day. That the Distribution Companies are purchasing/selling the necessary shortfall/surplus quantum of power, time block wise for the next day as communicated by APSLDC through power exchanges. That the RTM is being utilized by the DISCOMs for meeting any intraday shortfall of power that may arise on account of deviations in scheduled energy, Renewable Energy Intermittencies, weather changes affecting wind generation, real time Load Variations, etc. RTM is being used as a

balancing resource since there are a lot of restrictions on incidental over drawal from ISTS. That the proposed CERC DSM regulation discourages under drawal by the DISCOMs providing zero compensation for such under drawals forcing the DISCOMs to stick to their drawl schedules without any deviations. That if bulk consumers access RTM, it interferes with the drawl schedules of the DISCOMs. By the time market obligation sheets on RTM are notified, the DISCOMs lose the opportunity to change their drawl schedules and they could be forced to under draw from ISTS during the periods of procurement of power by Bulk Consumers in RTM thereby causing financial loss to the DISCOMs.

B. Grid Support Charges:

The DISCOMs have proposed to collect grid support charges as described below:

*“Persons operating Captive Power Plants (CPPs)/**Co-Generation Plants** in parallel with A.P. Grid have to pay ‘Grid Support Charges’ on the difference between the capacity of CPP/**Co-Generation Plant** in kVA and the contracted Maximum Demand in kVA with Licensee and all other sources of supply, at a rate equal to 50% of the prevailing demand charge for HT Consumers. In case of CPPs/**Co-Generation Plants** exporting firm power to APTransco, the capacity, which is dedicated to such export, will also be additionally subtracted from the CPP/**Co-Generation Plant** capacity.”*

They submitted that though the Commission had incorporated applicability of grid support charges in the RST orders from FY2002-03 to FY 2008-09, no income had been estimated from FY2003-04 onwards in view of stay on the issue by Hon’ble High Court and final order of Hon’ble High court is against the collection of grid support charges by the DISCOMs, that on DISCOMs’ appeal, the Hon’ble Supreme Court vide judgment dated 29.11.2019 set aside the Hon’ble High court’s order and that therefore, they now proposed to collect grid support charges from the applicable consumers as described above. They have also stated that cogeneration plants are specifically included in the applicability as there is a pending litigation from cogeneration plants on the definition of CPP.

The DISCOMs further proposed that the levy of Grid support charges needs to be reckoned from FY2009-10 onwards on similar lines reckoned by Hon’ble Commission while re-determining Cross Subsidy Surcharge for the period from FY2005-06 to FY2012-13 and FY2015-16 vide order dated 16-11-2016 in O. P. Nos. 16 of 2005, 13 of 2006, 5 of 2007, 73 of 2012, 74 of 2012, 75 of 2012, 76 of 2012, 77 of 2012, and 8 of 2015 pursuant to the Hon’ble APTEL and the Hon’ble Supreme Court’s judgments.

- C.** APCPDCL has requested the Commission to specify the voltage surcharge to be levied on the consumers having Contracted Maximum Demand (CMD) from 1500 kVA to 2500 kVA at 11 kV level and CMD from 5001 kVA to 10000 kVA at 33 kV level by

modifying the existing applicability as shown in the table below:

Sl. No.	Contracted Demand with Licensee	Voltage at which supply should be availed	Voltage at which consumer is availing supply	Rates % extra over the normal rates	
		(in kV)	(in kV)	Demand Charges	Energy Charges
(A) HT consumers availing supply through common feeders:					
1	Up to 1500 kVA	11	-	-	-
2	1501 kVA to 2500 kVA	(i) 11 kV subject to technical feasibility	-	-	-
		(ii) 33 kV (if there is no feasibility)	11	Request to include rates in the tariff Order	
3	2501 kVA to 5000 kVA	33	11	12%	10%
4	5001 kVA to 10000 kVA	(i) 33 kV subject to technical feasibility	11	12%	10%
		(ii) 132 kV (if there is no feasibility)	33	Request to include rates in the tariff Order	
5	Above 10000 kVA	132	33 or below	12%	10%
(B) HT consumers availing supply through independent feeders:					
1	Up to 3000 kVA	11 or 33	-	-	-
2	3001 kVA to 5000 kVA	33	11	12%	10%
3	5001 kVA to 20000 kVA	33 or above			
4	Above 20000 kVA	132 or 220	33	12%	10%

They suggested two times of normal voltage surcharge after three months, three times after six months and ten times after one year on both Demand and Energy charges when connected load exceeds the load specified by the Commission at the applicable voltage level.

34. 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 all categories of consumers.

Consumer Categories	Demand charges (Rs./kVA/ Year)	Energy Charges proposed	Full Cost Recovery Tariff (Rs. / Unit)			
			SPDCL	EPDCL	CPDCL	
LT Supply						
From April'22 to July'22 (Existing Tariffs) (01-04-2022 to 31-07-2022)						
LT Cat-I (A): Domestic (Telescopic)						
Group A: Consumption < = 75 Units during the billing month						
0-50	10.00	1.45	1.45	4.13	4.78	
51-75		2.60	2.60	4.13	4.78	
Group B: Consumption < 225 and >75 units during the billing month						
0-50		2.60	2.60	4.13	4.78	
51-100		2.60	2.60	4.13	4.78	
101-200		3.60	3.60	4.13	4.78	
201-225		6.90	6.90	6.90	6.90	
Group C: Consumption >225 units during the billing month						
0-50		2.65	2.65	4.13	4.78	
51-100		3.35	3.35	4.13	4.78	
101-200		5.40	5.40	5.40	4.78	
201-300		7.10	7.10	7.10	7.10	
301-400		7.95	7.95	7.95	7.95	
401-500		8.50	8.50	8.50	8.50	
Above 500 units		9.95	9.95	9.95	9.95	
From August'22 to March'23 (Proposed Tariffs) (From 01-08-2022 to 31-03-2023)						
LT Cat-I (A): Domestic (Telescopic) - Up to July'22						
Group A: Consumption < = 75 Units during the billing month						
0-30	10.00	1.45	1.45	4.13	4.78	
31-75		2.80	2.80	4.13	4.78	

Consumer Categories	Demand charges (Rs./kVA/ Year)	Energy Charges proposed	Full Cost Recovery Tariff (Rs. / Unit)		
			SPDCL	EPDCL	CPDCL
Group B: Consumption >75 units during the billing month					
0-100		4.00	4.00	4.13	4.78
101-200		5.00	5.00	5.00	4.78
201-300		7.00	7.00	7.00	7.00
Above 300 units		7.50	7.50	7.50	7.50
LT Cat-II: Commercial & Others					
0-50	75.00	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
Above 500		10.15	10.15	10.15	10.15
(iii) Advertising Hoardings	100.00	12.25	12.25	12.25	12.25
(iv) Function Halls/ Auditoriums	-	12.25	12.25	12.25	12.25
(B): Start up power	-	12.25	12.25	12.25	12.25
(C) : Electric Vehicles (EVs) / Charging stations	-	6.70	6.70	6.70	6.70
(D) : Green Power	-	12.25	12.25	12.25	12.25
LT Cat-III : Industry					
(A): Industry (General)	75.00	6.70	6.70	6.70	6.70
Rice Mills & Pulverising Mills (101 HP to 150 HP)	275.00	6.70	6.70	6.70	6.70
(B): Seasonal Industries (off season)	75.00	7.45	7.45	7.45	7.45
(D): Cottage Industries up to 10HP	20.00	3.75	3.75	3.75	3.75
Dhobi Ghats	-	0.00	6.56	0	0
LT Cat-IV : Institutional					
(A): Utilities					
Panchayats	75.00	7.00	7.00	7.00	7.00

Consumer Categories	Demand charges (Rs./kVA/ Year)	Energy Charges proposed	Full Cost Recovery Tariff (Rs. / Unit)		
			SPDCL	EPDCL	CPDCL
NTR Sujala Pathakam	75.00	7.00	7.00	7.00	7.00
Urban Local Bodies	75.00	7.00	7.00	7.00	7.00
(B): General Purpose	75.00	7.00	7.00	7.00	7.00
(C): Religious Places	30.00	5.00	5.00	5.00	5.00
LT Cat-V : Agricultural & Related					
(A): Agriculture					
(i) Corporate Farmers & IT Assesses	200.00		0.00	6.79	7.09
(ii) Non-Corporate Farmers	-	0.00	6.56	6.79	7.09
(iii) Salt farming units with Connected Load up to 15HP	-	2.50	2.50	2.50	2.50
(iv) Sugarcane crushing	-	0.00	6.56	6.79	7.09
(v) Rural Horticulture Nurseries	-	0.00	6.56	6.79	7.09
(vi) Floriculture in Green House	75.00	4.50	4.50	4.50	4.50
(B): Aquaculture and Animal Husbandry	30.00	3.85	3.85	3.85	3.85
(D): Agro Based Cottage Industries up to 10HP	20.00	3.75	3.75	3.75	3.75
(E): Government/Private Lift Irrigation Schemes		0.00	6.34	0.00	6.34

35. Furthermore, the DISCOMs have submitted true-up for the Distribution and retail supply business including carrying cost for the FY2020-21 as shown in the table below:

Table 5: True-up amounts for FY2020-21

Sl. No.	DISCOM	True-up amount in Cr.
1	APSPDCL	829.27
2	APEPDCL	1966.17
3	APCPDCL	118.65
4	Total for the DISCOMs	2914.09

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

- a. The FAPCCI and SICMA have stated that by relaxing the Regulation, the Commission has been granting permission for annual filings in respect of Retail Supply Business. It may be true that the Commission may have powers to relax any provision of the Tariff Regulations. But, the very purpose of introducing the Multi Year Tariff Regulatory Framework is to bring certainty and predictability as stated in the Tariff Policy. Hence, they requested the Commission for disallowance or withholding of 30% of DISCOMs' ARR for their failure to adhere to MYT Regulations.

DISCOMs' Response: In view of difficulties experienced in making realistic projections on Power Purchase costs and sales for a multiyear term of 5 years, the DISCOMs have sought the permission of the Commission to submit the RST filings on an annual basis and only after obtaining permission from the Commission, the annual filings were submitted.

- b. S. Pratap, APSEBAEEA stated that the deviations pertaining to various businesses such as Transmission, Distribution, and SLDC are bound to change based on various parameters such as inflation, socio-economic conditions. The period of 5 years is too long for the business stakeholders to recover the deviations pertaining to their business. Speeding up the process of recovery of expenditure would be a win-win situation for both the consumers and stakeholders, as it would avoid burdening the future consumers with past expenditures. Hence, the objector requested the Commission to amend the tariff regulations by specifying the control period as 3 years or to conduct a mid-term review of the MYT orders in the third or fourth year of the control period duly providing an opportunity to the business stakeholders to recover/pass on the deviations at the earliest. Further, the objector stated that there is a need to change the principles and methodologies of the tariff on par with the CERC regulations, as many states are doing the same.

DISCOMs' Response: The suggestions are noted.

Commission's view: There are divergent views on multiyear tariffs for retail supply business. Only two or three States in the country have issued multiyear tariffs for retail supply business. The Commission has been strictly following the MYT principles for the determination of tariffs in respect of generation, transmission, and distribution businesses. In view of the uncertainty associated with various factors as explained supra by the DISCOMs including the uncertainty associated with the subsidy amounts to be extended by GoAP to various categories of the consumers, the Commission has permitted the DISCOMs to submit their filings on annual basis for their retail supply businesses for FY2022-23 as this will not affect any stakeholder. Further, amendments to the existing tariff regulations are under examination of the Commission.

Conclusion

- 37.** The Commission has decided to consider the ARR, FPT, CSS filings for FY2022-23 and True-up proposals for FY2020-21 submitted by the DISCOMs as stated briefly in this Chapter, as the basis for determination of ARR and Tariff for Retail Sale of Electricity for FY2022-23 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 ఆంధ్ర ప్రదేశ్ రాష్ట్ర విద్యుత్ నియంత్రణ మండలి
నిర్వహించుచున్న బహిరంగ విచారణ సందర్భముగా ఆంధ్ర
ప్రదేశ్ రాష్ట్ర ప్రభుత్వ ప్రకటన**

పారిశ్రామిక రంగం వేగంగా అభివృద్ధి చెందడానికి విద్యుత్ రంగం అత్యంత కీలకం అని రాష్ట్ర ప్రభుత్వం గుర్తించి గృహ, వాణిజ్య, పారిశ్రామిక రంగాలకు ²⁴⁷ నిరంతరాయంగా సరఫరామైన ధరలకు విద్యుత్ ను అందించడానికి మరియు వ్యవసాయ రంగానికి పగటి పూట 9 గంటల నాణ్యమైన ఉచిత విద్యుత్ ను అందించడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.

దేశంలోనే అతి తక్కువ సరఫరా మరియు పంపిణీ నష్టాలు గల విద్యుత్ సంస్థలలో రాష్ట్ర విద్యుత్ సంస్థలు కూడా వున్నాయి. అయినప్పటికీ రూ. 82,038 కోట్ల పైబడి అధిక స్థిర చార్జీ అప్పులు, రూ. 26,961 కోట్ల పైబడి నష్టాలు మరియు ఇతర సవాళ్ల తోనూ రాష్ట్ర విద్యుత్ సంస్థలు సతమతమవుతున్నాయి. ఈ ఆర్థిక దుస్థితి లో నుంచి విద్యుత్ సంస్థలను గట్టెక్కించడానికి రాష్ట్ర ప్రభుత్వం అన్ని చర్యలు తీసుకుంటోంది.

వివిధ ప్రభుత్వ ఉత్తర్వు లలో ప్రకటించిన విధంగా ఆక్వా రైతులకు, యస్.సి./ యస్.టి గృహ వినియోగ దారులకు, రోల్డ్ గోల్డ్ రంగాలకు సబ్సిడీ పై విద్యుత్ ను అందించడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.

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

విద్యుత్ నియంత్రణ మండలి పారదర్శకంగా మరియు సరియైన విద్యుత్ కొనుగోలు వ్యయాన్ని నిర్ధారించే చర్యలకు, విద్యుత్ సంస్థల ఆర్థిక

స్థిరత్వాన్ని మరియు వినియోగ దారుల సౌలభ్యాన్ని దృష్టి లో ఉంచుకొని, రాష్ట్ర ప్రభుత్వం మద్దతు తెలుపుతుంది.

వ్యవసాయ వినియోగదారులకు అందించవలసిన విద్యుత్ లోడ్ సరిగా తెలుసుకోడానికి, 9 గంటల విద్యుత్ అందించడానికి అవసరమైన మౌలిక సదుపాయాలు కలుగచేయడానికి, వ్యవసాయదారులకు నాణ్యమైన విద్యుత్ అందించడానికి, రైతులకు విద్యుత్ పంపిణీ సంస్థలను నాణ్యమైన విద్యుత్ సరఫరా కోసం అడిగే హక్కు కలిగించడానికి, విద్యుత్ పంపిణీ సంస్థలు రైతులకు జవాబుదారీగా నిలవడానికి రాష్ట్ర ప్రభుత్వం **వై. యస్. ఆర్.**

ఉచిత వ్యవసాయ విద్యుత్ పథకాన్ని ప్రారంభించి అందులో భాగంగా ²⁰²¹₂₂ సంవత్సరం మొదలు వ్యవసాయ విద్యుత్ కనెక్షన్లన్నింటికీ విద్యుత్ మీటర్లు బిగించాలని నిర్ణయం తీసుకొంది. ఈ పథకాన్ని మొదటగా శ్రీకాకుళం జిల్లాలో ప్రారంభించి పూర్తి చేయడం జరిగింది, మిగిలిన జిల్లాలలో ఈ ప్రక్రియ ప్రారంభించడం జరుగుతుంది.

అంతే కాకుండా విద్యుత్ నష్టాలను తగ్గించడానికి, విద్యుత్ వ్యవస్థను ఆధునీకరించడానికి, ప్రీ పెయిడ్ మీటర్లను బిగించడానికి మరియు ఉద్యోగులకు వీటికి అవసరమైన శిక్షణ, సామర్థ్య పెంపుదలకు కేంద్ర ప్రభుత్వం ప్రకటించిన "రీ వేంపడ్ డిస్ట్రిబ్యూషన్ సెక్టార్ స్కీం" ఊలో సుమారు రూ. 17,620 కోట్లతో డి.పి.ఆర్ లు పంపించడం జరిగింది. కేంద్ర ప్రభుత్వ అనుమతులు రాగానే పనులు ప్రారంభించడం జరుగుతుంది

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

CHAPTER - III

SALES, LOSSES AND POWER PURCHASE REQUIREMENT

Introduction

38. 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 FY2022-23. The Commission has, while examining the same, reckoned/considered all the views/objections/suggestions expressed by the stakeholders in writing and during the public hearings to the extent they are relevant to the subject matter. Accordingly, the Commission has finalised the sales and power purchase requirement for the three DISCOMs as detailed hereunder:

DISCOMs' Filings:

Methodology followed by the DISCOMs

39. As a prelude to the estimation of Aggregate Revenue Requirement (ARR) for the tariff year FY2022-23, the DISCOMs have computed the power purchase requirement in the following manner;

- Forecasted the sales for different consumer categories separately for the FY2022-23,
- 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

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

41. 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 of demand on the end-use. Accordingly, corrections have been made in the estimations.

42. The DISCOMs have stated that in so far as the LT Agriculture Consumption is

concerned, the GoAP has taken a decision to implement Direct Benefit Transfer (DBT) scheme for farmers under 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 case of other consumers as and when metering is completed. As metering of the agriculture consumers is still in progress, the agriculture consumption is projected based on sampled DTR meter data for the financial year FY2022-23. The actual measured consumption will be made available once the meters are installed and made operational. That while estimating agricultural consumption under LT supply, the GoAP policy of extending 9 hours supply in a day to the agriculture sector and the proposed release of new connections for the next year have been taken into account. The consumption from solar pump sets has been excluded for arriving at the final estimates of consumption for the agricultural sector under LT. As far as the lift irrigation schemes under HT supply are concerned, the estimations are based on actuals during the previous years and also as per the data furnished by the water resources department, GoAP.

- 43.** The DISCOMs have stated that though the Railways have been granted open access under deemed license status, the projections for FY2022-23 have been considered without factoring the above scenario. That the RESCOs consumption category wise has been included in the projections of the corresponding categories of the consumers in the respective DISCOMs as the RESCOs have not been licensed or exempted to carry on the supply activity. That new connections proposed to be released under the government housing scheme “Jagananna colonies” have also been considered in their projections.
- 44.** The DISCOMs have further stated that there are numerous factors that affect the actual consumption and which are often beyond their control such as the following:
- Economic climate;
 - Weather conditions;
 - Government Policy, and
 - Force majeure events like natural disasters, etc.

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

- 45.** Accordingly, the DISCOMs stated to have carried out sales forecasts based on the actuals for the period from FY2015-16 to FY2021-22H1 based on time series data and using linear regression. As per the forecast methodology explained supra, the sales

estimated category wise for each DISCOM and total for all the three DISCOMs are shown in the tables below:

Table 6 : Sales (MU) projected by DISCOMs for FY2022-23

Consumer Category		Projections by DISCOMs for FY2022-23			
LT-Supply		SPDCL	CPDCL	EPDCL	Total for three DISCOMs
I	Domestic	5748.45	5997.81	7536.31	19282.57
II	Commercial & Other	964.27	989.46	1266.59	3220.32
III	Industry	599.34	551.84	512.60	1663.78
IV	Institutional	782.93	321.04	424.31	1528.27
V	Agricultural & Related	8947.89	3315.04	4909.22	17172.14
	i) Free power categories	8153.19	2159.02	2781.60	13093.81
	ii) Others	794.70	1156.02	2127.62	4078.34
LT-Total		17042.88	11175.19	14649.03	42867.08
HT-Supply					
I	Domestic	19.23	13.00	39.98	72.21
II	Commercial & Other	370.73	377.53	853.55	1601.81
III	Industry	5827.65	3215.68	8136.95	17180.28
IV	Institutional	759.25	426.23	976.04	2161.52
V	Agricultural & Related	2315.69	99.10	232.18	2646.97
HT-Total		9292.54	4131.54	10238.70	23662.78
Total		26335.41	15306.73	24887.73	66529.8

46. Views/objections/suggestions relating to sales estimations

- a. Sri M. Thimma Reddy has stated that the following factors shall be taken into account while estimating the sales for FY2022-23.
 - i. Impact of COVID-19 pandemic on different sectors of the State's economy;
 - ii. The ongoing and the proposed energy efficiency and energy saving measures taken/to be taken up by the DISCOMs;
 - iii. Providing energy-efficient appliances to households by the State Government under 'Navaratnalu-Pedalandariki Illu' scheme. The annual energy savings by installing energy-efficient appliances in 15 lakh houses are estimated to be around 1,674 million units.

He also wanted to know whether in the light of Revamped Distribution Sector Scheme of the GoI, the DISCOMs are proposing to install meters for agricultural consumers.

He has further stated that the DISCOMs have not provided the critical information related to the ISI methodology followed by them in estimating the agriculture consumption like the details of the sample DTRs circle wise with installed meters, those with valid readings, the actual readings and basis for arriving at the agriculture consumption. In the past, this information used to be provided by the DISCOMs in the ARR filings. Without the above basic information, it is difficult to verify APDISCOMs' estimate of agriculture consumption. Projected growth in agriculture consumption is nearly twice that of growth in the number of agriculture pump sets, which is doubtful. In the past also, DISCOMs projected higher agriculture consumption. For FY2020-21 and FY2021-22, actual agriculture consumption was less than that approved by the Commission. In light of the above, DISCOMs' estimation of agriculture consumption needs re-examination.

- b. Sri M.Venugopala Rao & Others have stated that spending a huge amount for metering agricultural services would not fetch any financial benefit to the Government or the DISCOMs or the agricultural consumers. If the purpose of installing the meters is to measure agriculture consumption, then it would be tantamount to the admittance that the estimates of agricultural consumption of power being shown every year by the DISCOMs are unrealistic and inflated. The distribution losses of the DISCOMs would increase to the extent the estimated agricultural consumption is reduced with the metering of pump sets and revenue requirement and the revenue gap of the DISCOM would increase correspondingly
- c. Sri Y.Sambasiva Rao stated that the agriculture consumption estimate is far from reality.

DISCOMs' Response: The sales forecast was carried out based on the monthly linear trend method. The projections are rational and realistic. The economy has bounced back to normalcy after the 2nd wave of the Covid pandemic. That the GDP is expected to grow at 8%. The reduction in energy sales due to energy conservation measures has also been taken into consideration while estimating the sales. Hence, the sales projections are not overstated/inflated.

The DISCOMs further have stated that the missing details as pointed out by the objector with regard to sampling data for measuring agricultural consumption will be furnished hereafter. The agricultural sales are estimated based on the ISI methodology approved by the APERC. The agricultural consumption depends on the number of agricultural services, their motor capacities, depth of water levels & availability of water, sources of water such as bore-wells, canals, rainfalls, etc. but not on the number of agricultural services alone. Further, agricultural consumption of RESCOS has also been included in the estimated sales for FY2022-23. That due to good rainfall during FY2020-21 & FY2021-22, agricultural

sales have decreased. For forecasting the agriculture sales for FY2022-23, the actual/estimated agricultural consumption for the previous financial years have been considered.

In addition to the above, APEPDCL has stated that it provided IrDA meters to all agricultural services in Srikakulam circle and monthly agricultural consumption is being arrived at based on actual recorded meter consumption through IrDA Scanners (electronically obtained data). The agricultural assessed consumption in the remaining four circles is being arrived at using the ISI sample methodology approved by APERC. EPDCL also stated that the implementation of the DBT scheme started from Srikakulam District as a pilot project. Accordingly, the work of fixing the meters to 25,438 Nos of Agricultural services was completed in Srikakulam District. For the remaining 4 Districts, work was awarded for fixing the smart meters along with the allied material for 2,07,920 nos. of agricultural services.

APCPDCL has stated that the matter is under the purview of Govt. of AP on the plan to proceed further on the implementation of the DBT scheme for agriculture consumers.

Commission's analysis and decision on sales finalisation

47. The DISCOMs have already stated to have taken COVID 19 impact and savings on account of EC & EE measures into account in the estimation of sales. The fixing of meters to agricultural services by the DISCOMs has been taken up as per the policy of the Government of AP since it is the main stakeholder in extending free power to all such consumers and is bearing subsidy under section 65 of the Electricity Act, 2003. In the absence of metering to individual services, the Commission has been estimating agricultural consumption based on certain assumptions. Once the meter fixing is completed, actual consumption will be known and the same will be adopted in the future. Unless the actual metered consumption is known for agriculture services, we cannot come to a conclusion on the past estimations. In order to find the rationality in the sales forecasts made by the DISCOMs for each category for FY2022-23, the Commission has examined the comparative statements viz., (i) projections for FY2022-23 against estimated sales for FY2021-22, (ii) estimated sales against approved sales for FY2021-22 and, (iii) the total actual sales against approved sales from FY2015-16 to FY2021-22 of each DISCOM and three DISCOMs put together, as detailed below:

- i. Projections for FY2022-23 against estimated sales for FY2021-22: The comparative statement of projected sales for FY2022-23 against estimated sales of FY2021-22 for each DISCOM and for three DISCOMs put together is shown in the tables below:

Table 7(a): APSPDCL - Sales Volume Estimates for FY2021-22 and Projections for FY2022-23 (MU)

Consumer Category		FY2021-22 Estimates	FY2022-23 Projections	Projections in excess of Estimates (%)
LT-Supply				
I	Domestic	5333.53	5748.45	7.78%
II	Commercial & Other	916.93	964.27	5.16%
III	Industry	567.08	599.34	5.69%
IV	Institutional	702.49	782.93	11.45%
V	Agricultural & Related	8071.92	8947.89	10.85%
	i) Free power categories	7357.43	8153.19	10.82%
	ii) Others	714.49	794.70	11.23%
LT-Total		15591.94	17042.88	9.31%
HT-Supply				
I	Domestic	18.11	19.23	6.19%
II	Commercial & Other	358.63	370.73	3.37%
III	Industry	5581.48	5827.65	4.41%
IV	Institutional	727.54	759.25	4.36%
V	Agricultural & Related	2142.69	2315.69	8.07%
	RESCOs	506.08	0.00	0.00%
HT-Total		9334.54	9292.54	-0.45%
Total		24926.48	26335.41	5.65%

Table 7(b): APEPDCL - Sales Volume Estimates for FY2021-22 and Projections for FY2022-23 (MU)

Consumer Category		FY2021-22 Estimates	FY2022-23 Projections	Projections in excess of Estimates (%)
LT-Supply				
I	Domestic	6845.07	7536.31	10.10%
II	Commercial & Other	1142.13	1266.59	10.90%
III	Industry	487.13	512.60	5.23%
IV	Institutional	398.75	424.31	6.41%
V	Agricultural & Related	4464.26	4909.22	9.97%
	i) Free power categories	2649.14	2781.60	5.00%
	ii) Others	1815.12	2127.62	17.22%
LT-Total		13337.34	14649.03	9.83%
HT-Supply				
I	Domestic	35.07	39.98	14.03%
II	Commercial & Other	757.67	853.55	12.66%
III	Industry	7853.92	8136.95	3.60%
IV	Institutional	939.10	976.04	3.93%
V	Agricultural & Related	143.91	232.18	61.33%
	RESCOs	0.00	0.00	0.00%
HT-Total		9729.66	10238.70	5.23%
Total		23067.00	24887.73	7.89%

Table 7(c): APCPDCL - Sales Volume Estimates for FY2021-22 and Projections for FY2022-23 (MU)

Consumer Category		FY2021-22 Estimates	FY2022-23 Projections	Projections in excess of Estimates (%)
LT-Supply				
I	Domestic	5681.09	5997.81	5.57%
II	Commercial & Other	922.6	989.46	7.25%
III	Industry	504.52	551.84	9.38%
IV	Institutional	307.14	321.04	4.53%
V	Agricultural & Related	3064.69	3315.04	8.17%
	i) Free power categories	1998.67	2159.02	8.02%
	ii) Others	1066.02	1156.02	8.44%
LT-Total		10480.04	11175.19	6.63%
HT-Supply				
I	Domestic	12.32	13.00	5.52%
II	Commercial & Other	353.41	377.53	6.82%
III	Industry	2997.87	3215.68	7.27%
IV	Institutional	404.31	426.23	5.42%
V	Agricultural & Related	93.13	99.10	6.41%
	RESCOs	0.00	0.00	0.00%
HT-Total		3861.04	4131.54	7.01%
Total		14341.08	15306.73	6.73%

Table 7(d): Total for the three DISCOMs put together - Sales Volume Estimates for FY2021-22 and Projections for FY2022-23 (MU)

Consumer Category		FY2021-22 Estimates	FY2022-23 Projections	Projections in excess of Estimates (%)
LT-Supply				
I	Domestic	17859.69	19282.56	7.97%
II	Commercial & Other	2981.66	3220.32	8.00%
III	Industry	1558.73	1663.78	6.74%
IV	Institutional	1408.38	1528.28	8.51%
V	Agricultural & Related	15600.87	17172.15	10.07%
	i) Free power categories	12005.24	13093.80	9.07%
	ii) Others	3595.63	4078.34	13.43%
LT-Total		39409.32	42867.10	8.77%
HT-Supply				
I	Domestic	65.49	72.21	10.24%
II	Commercial & Other	1469.71	1601.81	8.99%
III	Industry	16433.27	17180.27	4.55%
IV	Institutional	2070.94	2161.52	4.37%
V	Agricultural & Related	2379.74	2646.96	11.23%
	RESCOs	506.08	0.00	0.00%
HT-Total		22925.24	23662.79	3.22%
Total		62334.56	66529.89	6.73%

As could be seen from the above tables, the total projected sales for FY2022-23 in excess of the total estimated sales for FY2021-22 in percentage terms are 5.65, 7.89, 6.73 and 6.73 in respect of APSPDCL, APEPDCL, APCPDCL and three DISCOMs put together respectively. These percentages are less than the sales percentages adopted by the Commission in the resource plan for the 4th control period while estimating the sales for each year of the control period and also comparable to 6.5% indicated by the CEA in its report for long term demand forecasting for the period FY2017-37 based on the regression methodology (SUR) for the State of Andhra Pradesh. The abnormal variations in consumption in “agricultural & others” categories under HT supply in APEPDCL are due to variations in consumption of lift irrigation schemes which operate based on the requirements of irrigation. The higher percentage of projection in respect of “agriculture & others-LT” categories, is stated to be based on the increase in the cultivation of aquaculture under the jurisdiction of APEPDCL and the same will be examined separately in subsequent paragraphs in this chapter.

- ii. Estimated sales against approved sales for FY2021-22: The comparative statement of estimated sales against approved sales for FY2021-22 for each DISCOM and for three DISCOMs put together is shown in the tables below

Table 8(a): SPDCL - Sales Volume approved and estimates for the FY2021-22 (MU)

Consumer Category		FY2021-22 Approved (as per TO)	FY2021-22 Estimates	FY2021-22 (Estimates) in excess of FY2021-22 (Approved) (%)
LT-Supply				
I	Domestic	5351.13	5333.53	-0.33%
II	Commercial & Other	874.89	916.93	4.80%
III	Industry	581.70	567.08	-2.51%
IV	Institutional	723.19	702.49	-2.86%
V	Agricultural & Related	8851.00	8071.92	-8.80%
HT-Supply				
I	Domestic	15.27	18.11	18.59%
II	Commercial & Other	325.71	358.63	10.11%
III	Industry	4471.13	5581.48	24.83%
IV	Institutional	691.36	727.54	5.23%
V	Agricultural & Related	2129.20	2142.69	0.63%
	RESCOs	0.00	506.08	0.00%
	Total	24014.56	24926.48	3.80%

Table 8(b): EPDCL - Sales Volume approved and estimates for the FY2021-22 (MU)

Consumer Category		FY2021-22 Approved (as per TO)	FY2021-22 Estimates	FY2021-22 (Estimates) in excess of FY2021-22 (Approved) (%)
LT-Supply				
I	Domestic	6577.35	6845.07	4.07%
II	Commercial & Other	1202.57	1142.13	-5.03%
III	Industry	432.63	487.13	12.60%
IV	Institutional	387.85	398.75	2.81%
V	Agricultural & Related	4509.55	4464.26	-1.00%
HT-Supply				
I	Domestic	32.27	35.07	8.66%
II	Commercial & Other	785.82	757.67	-3.58%
III	Industry	7204.95	7853.92	9.01%
IV	Institutional	946.94	939.10	-0.83%
V	Agricultural & Related	457.52	143.91	-68.55%
	RESCOs	0.00	0.00	0.00%
	Total	22537.45	23067	2.35%

Table 8(c): CPDCL - Sales Volume approved and estimates for the FY2021-22 (MU)

Consumer Category		FY2021-22 Approved (as per TO)	FY2021-22 Estimates	FY2021-22 (Estimates) in excess of FY2021-22 (Approved) (%)
LT-Supply				
I	Domestic	5526.01	5681.09	2.81%
II	Commercial & Other	1089.62	922.6	-15.33%
III	Industry	529.25	504.52	-4.67%
IV	Institutional	308.4	307.14	-0.41%
V	Agricultural & Related	3042.97	3064.69	0.71%
HT-Supply				
I	Domestic	11.99	12.32	2.75%
II	Commercial & Other	529.35	353.41	-33.24%
III	Industry	2870.24	2997.87	4.45%
IV	Institutional	376.87	404.31	7.28%
V	Agricultural & Related	107.06	93.13	-13.01%
	RESCOs	0.00	0.00	0.00%
	Total	14391.76	14341.08	-0.35%

Table 8(d): Total for three DISCOMs put together - Sales Volume approved and estimates for the FY2021-22 (MU)

Consumer Category		FY2021-22 Approved (as per TO)	FY2021-22 Estimates	FY2021-22 (Estimates) in excess of FY2021-22 (Approved) (%)
LT-Supply				
I	Domestic	17454.49	17859.69	2.32%
II	Commercial & Other	3167.09	2981.66	-5.85%
III	Industry	1543.59	1558.73	0.98%
IV	Institutional	1419.43	1408.38	-0.78%
V	Agricultural & Related	16403.53	15600.87	-4.89%
HT-Supply				
I	Domestic	59.53	65.49	10.02%
II	Commercial & Other	1640.87	1469.71	-10.43%
III	Industry	14546.32	16433.27	12.97%
IV	Institutional	2015.179	2070.94	2.77%
V	Agricultural & Related	2693.78	2379.74	-11.66%
	RESCOs	0.00	506.08	0.00%
	Total	60943.82	62334.56	2.28%

As could be seen from the above tables, the total estimated sales for APSPDCL & APEPDCL have increased and they have decreased slightly for APCPDCL compared to the total sales volumes approved by the Commission for each DISCOM for the FY2021-22. It is also to be noted that overall estimated sales for all three DISCOMs put together have increased by 2.28 percent compared to the approvals. There are certain aberrations in the individual sales categories which are stated to be due to huge variations in consumption related to lift irrigation schemes in APEPDCL and certain commercial consumers, mainly in the CRDA region in APCPDCL. A welcome sign is that there is more positive growth than expected in HT industrial consumption in all the three DISCOMs which is stated to be due to migration of open access consumers from market to the DISCOMs and also due to picking up of the industrial activity in the State post COVID-19 pandemic. This increase in industrial consumption will lead to a better sales mix and increase in the overall revenue realisation per unit of energy sold by the DISCOMs.

- iii. Actual sales versus approved sales: The comparative statement of total actual sales in excess of the total approved sales from FY2015-16 to FY2021-22 for each DISCOM and for three DISCOMs put together is shown in the tables below:

Table No. 9 - Actual sales Vs Approved sales from FY2015-16 to FY2021-22 (MU)

FY	APSPDCL			APEPDCL			APCPDCL			Three DISCOMs		
	Appr.	Act.	%	Appr.	Act.	%	Appr.	Act.	%	Appr.	Act.	%
2015-16	30876	28712	-7.01	16510	14969	-9.33	-	-	-	47387	43682	-7.82
2016-17	32808	30735	-6.32	17183	16174	-5.88	-	-	-	49991	46908	-6.17
2017-18	32621	31335	-3.94	17456	18351	5.12	-	-	-	50077	49686	-0.78
2018-19	34922	34889	-0.09	19470	19668	1.02	-	-	-	54392	54557	0.30
2019-20	37167	35159	-5.40	21996	20777	-5.54	-	-	-	59162	55935	-5.45
2020-21	24146	22936	-5.01	23332	20501	-12.13	14341	12715	-11.34	61819	56153	-9.17
2021-22	24015	24926	3.80	22537	23067	2.35	14392	14341	-0.35	60944	62335	2.28

As could be seen from the above tables, variations of total actual sales against the approvals in percentage terms during the said seven years range from (-) 12.13 to 5.12 for EPDCL and whereas the range is (-) 9.17 to 2.28 for all the three DISCOMs put together. Despite economic slowdown which commenced in the FY2019-20 but continued in FY2020-21 also due to the COVID-19 pandemic, the variation in sales between the actuals and approvals during the last seven years was maximum at (-) 12.13% in the FY2020-21. The variations in terms of percentage during the last 5 years (excluding pandemic year FY2020-21) for the all the three DISCOMs put together are in the range of (-) 5.45 to 2.28. As submitted by the DISCOMs, accurate point estimation of sales may not be possible due to a number of uncontrolled factors whatever is the methodology adopted for the estimation. The accuracy of the estimates can be compared with reference to the actuals at the end of the year only. From the above tables, it could be seen that the sales approved by the Commission have reasonable accuracy during the last 5 years.

48. The Commission has also examined the projected agriculture consumption for FY2022-23 which falls under the free power supply category. The projections by the DISCOMs are shown in the table below:

Table No.10 - Agriculture sales projected by the DISCOMs which fall under the free power category

Description	SPDCL	EPDCL	CPDCL	Total for the three DISCOMs
Agriculture Sales under free power category (MU)	8153.19	2781.60	2159.02	13093.80

To verify the rationality in the projections for free power category consumers, the following comparisons have been made.

Table 11: Agriculture Sales Comparison

Description		APSPDCL	APCPDCL	APEPDCL	Total for all the three DISCOMs
FY2020-21	A) Approved Sales (MU)	7703.89	2127.96	2399.41	12231.26
	B) Actuals Sales (MU)	6663.00	1942.11	2266.58	10871.70
	Difference (B-A)	-1040.89	-185.85	-132.83	-1359.56
	Percentage over approvals	-13.51	-8.73	-5.54	-11.12
FY2021-22	A) Approved Sales (MU)	8078.48	2023.44	2618.17	12720.09
	B) Estimated Sales (MU)	7357.43	1998.67	2649.14	12005.24
	Difference (B-A)	-721.05	-24.77	30.97	-714.85
	Percentage over approvals	-8.93	-1.22	1.18	-5.62
FY2022-23	A) Estimated Sales (MU) for the FY2021-22	7357.43	1998.67	2649.14	12005.24
	B) Projected Sales (MU) for the FY2022-23	8153.19	2159.02	2781.60	13093.80
	Difference (B-A)	795.76	160.35	132.46	1088.56
	Percentage over estimates	10.82	8.02	5.00	9.07

As could be seen from the above table, the agriculture consumption under free power categories was less than the approvals in respect of all the DISCOMs during the FY2020-21. For FY2021-22, it is expected to be less than the approvals for APSPDCL & APCPDCL and slightly more than the approval for APEPDCL. Therefore, the additional sales in percentage terms projected by the DISCOMs for FY2022-23 over and above the estimated sales for FY2021-22 appears to be on a high side.

- 49.** To further examine the rationality of projected consumption for free agricultural category, the Commission has computed the per unit HP consumption for FY2022-23 as projected and for the last three years based on the actuals furnished by the DISCOMs as shown in the tables below:

Table No.12 - Agriculture sales in units per HP as per the filings

Description	FY2022-23			
	SPDCL	CPDCL	EPDCL	Total for the three DISCOMs
Units per HP as per the filings	1082.06	774.99	1269.60	1046.49

Table No.13 - Agriculture actual sales in units per HP from FY2020-21 to FY2021-22

Description	FY2021-22				FY2020-21				FY2019-20		
	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	CPDCL	EPDCL	TOTAL	SPDCL	EPDCL	TOTAL
Units per HP	1038.41	728.21	1276.52	1008.15	1219.07	725.98	1230.29	1098.82	1050.43	1294.09	1094.36

After examining the above data, the Commission has decided to limit the projected additional sales in percentage for FY2022-23 over and above the estimated actuals for FY2021-22 to 50 percent. Accordingly, the Commission approves the agriculture consumption for FY2022-23 that falls under the free power category as shown in the table below.

Table No.14: Approved Agriculture sales under free power category

Particulars	SPDCL	CPDCL	EPDCL	Total for three DISCOMs
A) Estimated Sales (MU) for the FY2021-22	7357.43	1998.67	2649.14	12005.24
B) Approved Sales (MU) for the FY2022-23	7755.31	2078.85	2715.35	12549.51
Difference (B-A)	397.88	80.175	66.23	544.285
Percentage over estimated sales of FY2021-22	5.41%	4.01%	2.50%	4.53%

50. The sales filed and that approved in respect of free agricultural category consumers for FY2022-23 are given in the table below:

Table 15: Filed & Approved: Agricultural sales under free power categories FY2022-23 (MU)

Description	SPDCL		EPDCL		CPDCL		Total for three DISCOMs	
	Filed	Appr.	Filed	Appr.	Filed	Appr.	Filed	Appr.
Agricultural Sales under free power categories	8153.19	7755.31	2781.60	2715.35	2159.02	2078.85	13093.80	12549.51

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

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

51. Further, after examining the data of aquaculture consumption for the last three years in respect of APEPDCL, the Commission has decided to limit the projected additional percentage for FY2022-23 over estimates for FY2021-22 to 50 percent. Accordingly, the Commission approves the consumption at 1971.62 MU as against 2127.62 MU projected in the filings by APEPDCL against “others” under “agricultural & other” categories - LT Supply.
52. As complete normalcy of economic activity is restored now after unprecedented COVID-19 pandemic, the overall growth rate of 6.73 percent projected over and above the estimated sales in FY2021-22 in respect of other category of consumers appears to be reasonable and realistic keeping in view the fact that the growth rate for the state of Andhra Pradesh has always been above the all India average. The DISCOMs have stated to have been using the linear regression method for forecasting the sales from FY2021-22 onwards in order to arrive at more realistic sales projections, category wise and total sales wise except for the agriculture category. As could be seen from the comparisons in various paragraphs, the variance between total actual sales and that approved by the Commission is minimal during the last five years except for FY2020-21 which is attributable to the Covid-19 pandemic effect. After effecting the corrections in the agriculture consumption as detailed in the previous paragraphs, the sales projected for other categories of the consumers in all the three DISCOMs have been approved in toto. Accordingly, the sales projected for each category of consumer and that approved for FY2022-23 for each DISCOM and the three DISCOMs put together are shown in the tables below:

Table 16(a): APSPDCL - Sales Volume Filed by the DISCOM and Approved by the Commission for the FY2022-23 (MU)

Consumer Category		Filed by the Licensee	Approved by APERC	Variations over Filings
LT-Supply				
I	Domestic	5748.45	5748.45	0.00
II	Commercial & Other	964.27	964.27	0.00
III	Industry	599.34	599.34	0.00
IV	Institutional	782.93	782.93	0.00
V	Agricultural & Related	8947.89	8550.01	-397.88
	i) Free power categories	8153.19	7755.31	-397.88
	ii) Others	794.70	794.70	0.00
LT-Total		17042.88	16645.00	-397.88
HT-Supply				
I	Domestic	19.23	19.23	0.00
II	Commercial & Other	370.73	370.73	0.00
III	Industry	5827.65	5827.65	0.00
IV	Institutional	759.25	759.25	0.00
V	Agricultural & Related	2315.69	2315.69	0.00
HT-Total		9292.54	9292.54	0.00
Total		26335.41	25937.54	-397.88

Table 16(b): APEPDCL - Sales Volume Filed by the DISCOM and Approved by the Commission for the FY2022-23 (MU)

Consumer Category		Filed by the Licensee	Approved by APERC	Variations over Filings
LT-Supply				
I	Domestic	7536.31	7536.31	0.00
II	Commercial & Other	1266.59	1266.59	0.00
III	Industry	512.60	512.60	0.00
IV	Institutional	424.31	424.31	0.00
V	Agricultural & Related	4909.22	4686.97	-222.25
	i) Free power categories	2781.60	2715.35	-66.25
	ii) Others	2127.62	1971.62	-156.00
LT-Total		14649.03	14426.78	-222.25
HT-Supply				
I	Domestic	39.98	39.98	0.00
II	Commercial & Other	853.55	853.55	0.00
III	Industry	8136.95	8136.95	0.00
IV	Institutional	976.04	976.04	0.00
V	Agricultural & Related	232.18	232.18	0.00
HT-Total		10238.70	10238.70	0.00
Total		24887.73	24665.48	-222.25

Table 16(c): APCPDCL - Sales Volume Filed by the DISCOM and Approved by the Commission for the FY2022-23 (MU)

Consumer Category		Filed by the Licensee	Approved by APERC	Variations over Filings
LT-Supply				
I	Domestic	5997.81	5997.81	0.00
II	Commercial & Other	989.46	989.46	0.00
III	Industry	551.84	551.84	0.00
IV	Institutional	321.04	321.04	0.00
V	Agricultural & Related	3315.04	3234.87	-80.18
	i) Free power categories	2159.02	2078.85	-80.18
	ii) Others	1156.02	1156.02	0.00
LT-Total		11175.19	11095.00	-80.18
HT-Supply				
I	Domestic	13.00	13.00	0.00
II	Commercial & Other	377.53	377.53	0.00
III	Industry	3215.68	3215.68	0.00
IV	Institutional	426.23	426.23	0.00
V	Agricultural & Related	99.10	99.10	0.00
HT-Total		4131.54	4131.54	0.00
Total		15306.73	15226.54	-80.18

Table 16(d): Total of three DISCOMs - Sales Volume Filed by the DISCOMs and Approved by the Commission for the FY2022-23 (MU)

Consumer Category		Filed by the DISCOMs	Approved by APERC	Variations over Filings
LT-Supply				
I	Domestic	19282.57	19282.57	0.00
II	Commercial & Other	3220.32	3220.32	0.00
III	Industry	1663.78	1663.78	0.00
IV	Institutional	1528.27	1528.27	0.00
V	Agricultural & Related	17172.14	16471.85	-700.30
	i) Free power categories	13093.81	12549.51	-544.30
	ii) Others	4078.34	3922.34	-156.00
LT-Total		42867.08	42166.78	-700.30
HT-Supply				
I	Domestic	72.21	72.21	0.00
II	Commercial & Other	1601.81	1601.81	0.00
III	Industry	17180.27	17180.28	0.00
IV	Institutional	2161.52	2161.52	0.00
V	Agricultural & Related	2646.96	2646.97	0.00
HT-Total		23662.78	23662.78	-700.30
Total		66529.87	65829.56	-700.30

53. To keep the Commission abreast of the sales and revenue for FY2022-23, the DISCOMs are directed to furnish monthly sales deviation along with the revenue category wise, with reference to the monthly sales as approved in this order, after provisional finalization of the sales by the end of the succeeding month.

Network Losses

54. To meet the estimated sales volume to different consumer categories, the DISCOMs need to purchase the 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 (including commercial 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 FY2022-23:

Table 17 : Voltage-wise losses (%) filed by DISCOMs

Sl. No.	Voltage Level	APSPDCL	APEPDCL	APCPDCL
01	33 kV	3.21%	2.76%	3.11%
02	11kV	3.33%	3.05%	3.17%
03	LT	4.54%	3.95%	3.64%
04	APTransco & PGCIL losses	4.00%	4.00%	4.00%

55. Views/objections/suggestions

- Sri M.Thimma Reddy stated that APDISCOMs have estimated higher T&D losses than what they had achieved in the past. He also stated that transmission loss of 3.17% in FY2019-20 was projected to increase to 4% during the ensuing year. As per the UDAY Agreement, there was a commitment to bring down transmission losses. Hence, he requested the commission to adopt 3.17% as transmission loss during FY2022-23. The estimated power purchase requirement would come down if the estimated T&D loss is reduced.
- Sri Y.Sambasiva Rao stated that the Transmission and Distribution losses projected by APDISCOMs are higher and the commission should review the same.

DISCOMs' Response: The losses in the DISCOM's network are arrived at as the difference between the meter readings at the APTransco-DISCOM boundary and consumption recorded in the consumer meters. The figures quoted by the objector for FY2022-23 include both transmission and distribution network losses. The proposed 4% transmission loss includes losses of the Inter-State Transmission System (ISTS) which is external to the State Transmission network operated by APTransco. With the implementation of the new 'Sharing of Interstate Transmission Charges and Losses Regulations' issued by the Hon'ble CERC, from Nov-2020 onwards, losses are being pooled up across the Country and levied on CGS procurement/Generators connected to ISTS like Sembcorp. The flows and losses in ISTS are not within the control of APTransco. APTransco on its part has been reducing the State Transmission Losses at least marginally year on year. At present, in addition to the state transmission losses, the losses of the ISTS system (at around 3%) are also loaded on the power procured from ISTS connected stations

The Commission's decision:

56. The Commission has examined; a) the actual loss levels of APTransco and the DISCOMs in the FY2020-21; b) loss levels fixed in the Retail tariff order for the FY2021-22; c) the estimated loss levels for FY2021-22; d) loss levels fixed by the Commission for the FY2021-22 in its MYT order on Transmission Tariffs and Distribution Tariffs and, e) Loss levels adopted by the DISCOMs in their filings; The above losses for each DISCOM are shown in the tables below:

Table 18: SPDCL Network Losses (%)

S. No.	Network	Actuals for FY2020-21	RST Order for FY2021-22	Estimates for FY2021-22	MYT order for FY2022-23	Filing For FY2022-23
1	Distribution – LT	4.75%	4.20%	4.61%	4.17%	4.54%
2	Distribution - 11 kV	3.36%	3.17%	3.34%	3.12%	3.33%
3	Distribution - 33 kV	3.24%	3.10%	3.22%	3.05%	3.21%
4	APTransco including PGCIL	3.48%	3.17%	3.54%	*3.03 %	4.00%

* Average Transmission loss of APTransco as per MYT order

Table 19: EPDCL Network Losses (%)

S. No.	Network	Actuals for FY2020-21	RST Order for FY2021-22	Estimates for FY2021-22	MYT order for FY2022-23	Filing for FY2022-23
1	Distribution-LT	3.12%	3.37%	2.94%	3.95%	3.95%
2	Distribution-11 kV	3.25%	2.76%	2.53%	3.05%	3.05%
3	Distribution-33 kV	3.36%	2.77%	3.13%	2.76%	2.76%
4	APTransco including PGCIL	2.60%	3.17%	3.42%	*3.03 %	4.00%

* Average Transmission loss of APTransco as per MYT order

Table 20: CPDCL Network Losses (%)

S. No.	Network	Actuals for FY2020-21	RST Order for FY2021-22	Estimates for FY2021-22	MYT order for FY2022-23	Filing for FY2022-23
1	Distribution-LT	3.68%	3.28%	3.66%	4.17%	3.64%
2	Distribution-11 kV	3.21%	3.17%	3.19%	3.12%	3.17%
3	Distribution-33 kV	3.15%	3.10%	3.13%	3.05%	3.11%
4	APTransco including PGCIL	2.51%	3.17%	3.31%	*3.03 %	4.00%

* Average Transmission loss of APTransco as per MYT order

As could be seen from the above tables, the DISCOMs have projected higher losses than those supposed to be taken from the MYT Orders issued by the Commission for Transmission and Distribution business for the 4th Control Period or projecting the same level of losses for some voltage levels as approved for FY2022-23 in MYT orders. For some voltage levels, estimated/actual losses are less than the losses approved for FY2022-23 in the MYT Orders.

57. Therefore, to keep the T&D losses projected by the DISCOMs to be in consonance with the MYT Orders issued for Transmission and Distribution businesses by the Commission for the 4th Control Period, the higher losses projected have been limited to losses approved in the MYT Order. In cases, where lower losses are projected compared to losses in MYT order, the same have been approved to pass on such lower loss benefits to the consumers.
58. For 132 kV and above networks including the PGCIL network, the DISCOMs have considered the transmission loss at 4.00 % on the total sales of the DISCOMs. APTransco loss as per MYT order for 4th control period is 3.03 percent. But, as per the information available on the website of AP Transco, its Loss was 2.60 % during FY2020-21 and 2.84% during FY2021-22 up to Dec 21. Keeping all these figures in view, to account for external losses of PGCIL up to AP Transco system with regard to drawal from central generating stations (CGS), transmission loss at 3.17% as fixed in FY2021-22 is proposed to be fixed for FY2022-23.
59. Accordingly, the Commission had approved the transmission and distribution loss percentages for FY 2022-23 for each DISCOM as shown in the table below:

S. No.	Network	SPDCL	EPDCL	CPDCL
1	Distribution – LT	4.17%	2.94%	3.66%
2	Distribution - 11 kV	3.12%	2.53%	3.12%
3	Distribution - 33 kV	3.05%	2.76%	3.05%
4	APTransco including PGCIL	3.17%	3.17%	3.17%

60. The percentage losses as filed by the DISCOMs and that approved by the Commission for FY2022-23 are shown in the table below:

S. No.	Network	SPDCL		EPDCL		CPDCL	
		Filed	App.	Filed	App.	Filed	Apprd
1	Distribution – LT	4.54%	4.17%	3.95%	2.94%	3.64%	3.66%
2	Distribution - 11 kV	3.33%	3.12%	3.05%	2.53%	3.17%	3.12%
3	Distribution - 33 kV	3.21%	3.05%	2.76%	2.76%	3.11%	3.05%
4	APTransco including PGCIL	4.00%	3.17%	4.00%	3.17%	4.00%	3.17%

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 21: Power Purchase Requirement estimates by the DISCOMs for FY2022-23

S. No.	DISCOMs	Sales (MU)	Losses (MU)	Power purchase requirement (MU)	T&D loss
(a)	(b)	(c)	(d)	(e)=(c)+(d)	(f)=[1-(c)/(e)]*100
1	SPDCL	26335.41	3401.35	29736.76	11.44%
2	EPDCL	24887.73	2845.99	27733.72	10.26%
3	CPDCL	15306.72	2038.04	17344.76	11.75%
4	Total	66529.87	8285.38	74815.24	11.07%

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 22: Power Purchase Requirement approved by the Commission for FY2022-23

S. No.	DISCOMs	Sales (MU)	Losses (MU)	Power purchase requirement (MU)	T&D losses
(a)	(b)	(c)	(d)	(e)=(c)+(d)	(f)=[1-(c)/(e)]*100
1	SPDCL	25937.54	2930.96	28868.49	10.15%
2	EPDCL	24665.48	2305.34	26970.82	8.55%
3	CPDCL	15226.54	1863.06	17089.60	10.90%
4	Total	65829.56	7099.35	72928.91	9.73%

- 63.** The Commission estimated the power purchase requirement at 72928.91 MU based on the approved sales of 65829.56 MU for the FY 2022-23 after factoring in the approved losses as detailed above. The power purchase requirement arrived at in the above manner is lesser by about 1886.33 MU compared to the power purchase requirement of 74815.24 MU as filed by the three DISCOMs on sales of 66529.87 MU. The details of the power purchase requirements filed by DISCOMs and that estimated by the Commission, DISCOM wise are indicated in the tables below:

Table 23: Filed and Approved Power Purchase Requirements for the FY2022-23

S. No.	DISCOMs	Sales (MU)		Losses (MU)		Power purchase requirement (MU)		T&D loss (%)	
		Filed	App.	Filed	App.	Filed	App.	Filed	App.
1	SPDCL	26335.41	25937.54	3401.35	2930.96	29736.76	28868.49	11.44%	10.15%
2	EPDCL	24887.73	24665.48	2845.99	2305.34	27733.72	26970.82	10.26%	8.55%
3	CPDCL	15306.72	15226.54	2038.04	1863.06	17344.76	17089.60	11.75%	10.90%
4	Total	66529.87	65829.56	8285.38	7099.35	74815.24	72928.91	11.07%	9.73%

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

Table 24 : Power Purchase Requirement for FY2022-23 as per the Filings

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.	4.54%	L.T.	17042.88	17852.49	18466.50	19077.95	19872.22
	11kV	3.33%	11kV	1408.32	-	1456.76	1504.99	1567.65
	33kV	3.21%	33kV	2448.16	-	-	2529.22	2634.52
	132kV	4.00%	132kV	5436.06	-	-	-	5662.38
			TOTAL	26335.41	17852.49	19923.26	23112.16	29736.76
			Loss up to said voltage		4.54%	7.39%	9.57%	11.44%
						D. Loss (MU)	2212.80	
						T. Loss (MU) including PGCIL Loss	1188.55	
			Total Loss (MU) & % Loss including PGCIL				3401.35	11.44%
			Total Power Purchase Requirement (MU)				29736.76	
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APEPDCL	L.T.	3.95%	L.T.	14649.03	15251.46	15731.27	16177.77	16851.85
	11kV	3.05%	11kV	2312.45	-	2385.19	2452.89	2555.10
	33kV	2.76%	33kV	2376.39	-	-	2443.84	2545.67
	132kV	4.00%	132kV	5549.87	-	-	-	5781.11
			TOTAL	24887.73	15251.46	18116.46	21074.51	27733.72
			Loss up to said voltage		3.95%	6.38%	8.24%	10.26%
						D. Loss (MU)	1736.64	
						T. Loss (MU) including PGCIL Loss	1109.35	
			Total Loss (MU) & % Loss including PGCIL				2845.99	10.26%
			Total Power Purchase Requirement (MU)				27733.72	

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APCPDCL	L.T.	3.64%	L.T.	11175.19	11597.33	11977.00	12361.44	12876.50
	11kV	3.17%	11kV	1518.07	-	1567.76	1618.09	1685.51
	33kV	3.11%	33kV	1804.64	-	-	1862.56	1940.17
	132kV	4.00%	132kV	808.83	-	-	-	842.53
			TOTAL	15306.72	11597.33	13544.76	15842.09	17344.71
			Loss up to said voltage		3.64%	6.29%	8.48%	11.75%
						D. Loss(MU)	1344.20	
						T. Loss(MU) including PGCIL Loss	693.79	
			Total Loss(MU) & % Loss including PGCIL				2037.99	11.75%
			Total Power Purchase Requirement (MU)				17344.71	
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
All DISCOMs	L.T.	4.10%	L.T.	42867	44701.28	46174.77	47617.16	49600.57
	11kV	3.16%	11kV	5238.83	-	5409.71	5575.97	5808.25
	33kV	3.02%	33kV	6629.18	-	-	6835.62	7120.35
	132kV	4.00%	132kV	11794.76	-	-	-	12286.02
			TOTAL	66529.87	44701.28	51584.48	60028.76	74815.20
			Loss up to said voltage		4.10%	6.74%	8.82%	11.07%
						D. Loss(MU)	5293.65	
						T. Loss (MU) including PGCIL Loss	2991.68	
			Total Loss(MU) & % Loss including PGCIL				8285.33	11.07%
			Total Power Purchase Requirement (MU)				74815.24	

Table 25 : Power Purchase Requirement for the FY2022-23 approved by APERC

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APSPDCL	L.T.	4.17%	L.T.	16645.00	17369.32	17928.69	18492.72	19098.13
	11kV	3.12%	11kV	1408.32	-	1453.67	1499.40	1548.49
	33kV	3.05%	33kV	2448.16	-	-	2525.18	2607.85
	132kV	3.17%	132kV	5436.06	-	-	-	5614.02
			TOTAL	25937.54	17369.32	19382.36	22517.30	28868.49
			Loss up to said voltage		4.17%	6.86%	8.95%	10.15%
						D. Loss (MU)	2015.83	
						T. Loss (MU) including PGCIL Loss	915.13	
			Total Loss (MU) & % Loss including PGCIL				2930.96	10.15%
			Total Power Purchase Requirement (MU)				28868.49	
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APEPDCL	L.T.	2.94%	L.T.	14426.78	14863.69	15249.50	15682.34	16195.74
	11kV	2.53%	11kV	2312.45	-	2372.47	2439.81	2519.68
	33kV	2.76%	33kV	2376.39	-	-	2443.83	2523.84
	132kV	3.17%	132kV	5549.87	-	-	-	5731.56
			TOTAL	24665.48	14863.69	17621.97	20565.98	26970.82
			Loss up to said voltage		2.94%	5.01%	7.05%	8.55%
						D. Loss(MU)	1450.37	
						T. Loss(MU) including PGCIL Loss	854.97	
			Total Loss (MU) & % Loss including PGCIL				2305.34	8.55%
			Total Power Purchase Requirement (MU)				26970.82	

DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
APCPDCL	L.T.	3.66%	L.T.	11095.00	11516.50	11887.39	12261.36	12662.77
	11kV	3.12%	11kV	1518.07	-	1566.96	1616.25	1669.16
	33kV	3.05%	33kV	1804.64	-	-	1861.41	1922.35
	132kV	3.17%	132kV	808.84	-	-	-	835.32
			TOTAL	15226.54	11516.50	13454.35	15739.02	17089.60
			Loss up to said voltage		3.66%	6.25%	8.40%	10.90%
						D. Loss(MU)	1321.32	
						T. Loss(MU) including PGCIL Loss	541.74	
			Total Loss(MU) & % Loss including PGCIL				1863.06	10.90%
			Total Power Purchase Requirement (MU)				17089.60	
DISCOM	Voltage	Loss	Voltage	Sales	LT	11kV	33kV	132kV
All DISCOMs	L.T.	3.62%	L.T.	42166.78	43749.51	45065.59	46436.42	47956.64
	11kV	2.86%	11kV	5238.83	-	5393.10	5555.46	5737.34
	33kV	2.95%	33kV	6629.18	-	-	6830.42	7054.04
	132kV	3.17%	132kV	11794.76	-	-	-	12180.90
			TOTAL	65829.55	43749.51	50458.68	58822.30	72928.91
			Loss up to said voltage		3.62%	6.05%	8.14%	9.73%
						D. Loss(MU)	4787.51	
						T. Loss(MU) including PGCIL Loss	2311.85	
			Total Loss(MU) & % Loss including PGCIL				7099.36	9.73%
			Total Power Purchase Requirement (MU)				72928.91	

CHAPTER - IV

POWER PURCHASE COST

Introduction

- 64.** In this Chapter, the Commission has determined the power purchase cost for each DISCOM for the FY2022-23 based on the power purchase requirement approved in Chapter-III while keeping in view the stakeholders' views/objections/suggestions and all other related aspects as detailed hereunder:

DISCOMs' Filings:

Contracted capacities, power sharing and energy availability

- 65.** The DISCOMs have stated that the contracted capacities in the PPAs (which were vested with them as per the third transfer scheme notified by GoAP in the year 2005-vested in pursuance of the AP Reorganization Act, 2014) have been shared among them based on the ratios fixed by the State Govt. from time to time, the exception being the Non-Conventional/Renewable Energy sources which were allocated based on geographical locations for most of the previous years. Vide G.O. RT No.118, dated 27-07-2017, the State Govt. ordered that the NCE capacities shall be shared between APEPDCL & APSPDCL in the same ratio as that of conventional power. Subsequently, vide G.O. RT.No.116, dated 01-10-2019, the State Government cancelled G.O. RT. No.118, dated 27-07-2017. Accordingly, for the FY2022-23, the NCE/RE projects have been considered on a geographical basis to arrive at the energy availability for each DISCOM.
- 66.** The DISCOMs have stated that consequent to the formation of APCPDCL which has commenced its operations w.e.f. 01.04.2020, the State Govt. vide G.O. Ms. No. 13, dated 6th April 2020 has revised the ratios for sharing of conventional power capacities among the three DISCOMs which are applicable to all the Power Purchase Agreements (PPAs) of the existing stations and stations under construction. The ratios specified in G.O. Ms. No.13 are given below:

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

THE DETAILS OF GENERATOR CAPACITIES PROPOSED TO BE AVAILED BY THE DISCOMs FOR FY2022-23

APGENCO STATIONS

67. The DISCOMs have stated that they have been purchasing power from APGENCO Stations based on the long-term PPAs/approvals of the Commission. Consequent to the Power Regulations imposed by APGENCO on TSDISCOMs and TSGENCO on APDISCOMs, power supply from thermal power projects located in TS has been stopped and APDISCOMs are availing 100% of APGENCO capacities, with effect from 11-06-2017.

The capacities proposed to be availed by the DISCOMs from APGENCO for FY2022-23 are given in the table.

Station	Installed Capacity/ Capacity share (MW)
Thermal	
Dr. NTTPS-I, II, III (6 x 210MW)	1260.00
Dr. NTTPS-IV (1 x 500MW)	500.00
RTPP-I (2 x 210MW)	420.00
RTPP-II (2 x 210MW)	420.00
RTPP- III (1 x 210MW)	210.00
RTPP- IV (1x 600MW)	600.00
Total Thermal	3410.00
Hydel	
Donkarayi Canal PH (1 x 25MW)	25.00
Upper Sileru HES (4 x 60MW)	240.00
Lower Sileru HES (4 x 115MW)	460.00
Srisaillam Right Bank PH (7 x 110MW)	770.00
Nagarjuna Sagar Right Canal PH (3x30MW)	90.00
PABR (2 x 10MW)	20.00
Mini Hydel Station (2 x 0.5MW)	1.00
Nagarjuna Sagar Tail Pond PH (2 x 25MW)	50.00
Interstate Hydel Projects	
Machkund, Orissa (AP share 70%)	84.00
T.B. Station, Karnataka (AP share 80%)	57.60
Total Hydel including Interstate Projects	1797.60
Total APGENCO	5207.60

CENTRAL GENERATING STATIONS

68. The DISCOMs have stated that they have been purchasing power from the Central Generating Stations (CGS) owned/controlled by the Central Public Sector Undertakings (CPSUs) based on the long-term PPAs. The share of capacities in the CGS proposed to be availed by the DISCOMs for FY2022-23 which is stated to be as

per the Regional Energy Account issued by SRPC for the month of Oct' 20 is shown in the following table.

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

The DISCOMs have also stated that the PPA with NTPC Ramagundam I & II expired on 31.10.2017 and the PPA with NLC TPS-II Stage-I & II expired on 31.03.2021. Power procurement is being continued from Ramagundam I & II plant and NLC TPS-II Stage-I & II owing to their low prices. The DISCOMs have also stated that the following clause in the expired PPAs allows them to continue to procure power from these plants.

“Provided that this Agreement may be mutually extended/ renewed or replaced by another agreement on such terms and for such further period of time as the parties may mutually agree. In case the bulk power recipient continues to get the power from the plant, even after expiry of this agreement without further renewal, or formal extension thereof, then all the provisions of this agreement shall continue to operate till this agreement is formally renewed /extended or replaced. “

The DISCOMs have further stated that these two projects are pit head old stations, and are presently operating as “Base Load Stations” in AP Power System and supplying power at cheaper prices. Average Central Transmission Charges to the extent of Rs.0.6 per unit is currently incurred towards Inter State Transmission Charges, for the procurement of power from all CGS (except Simhadri-I) and M/s Sembcorp (IPP). That even after taking ISTS charges also into account, power procurement from these stations is cheaper. That the entire allocated expensive thermal power quantum of 625

MW as part of JNNSM-Bundled Power scheme-Phase-II has been surrendered by APDISCOMs, stated to be due to of the best efforts made by them keeping in view the commercial interests of reducing the power purchase costs. The DISCOMs proposed to continue procurement of power from the pit head stations viz. Ramagundam-Stage-I&II and NLC- TPS-II for FY2022-23, keeping in view the “Base Load” thermal capacity requirement in the system to extend 24X7 reliable, secured and cost effective power supply to the consumers

Joint Sector Projects – The DISCOMs’ Stand

69. SDSTPS-Stage-I 2X 800 MW

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

70. GGPP-216 MW

That the second project covered in the Joint Sector is the GVK-I plant. Upon expiry of the PPA with GVK Industries Limited on 19.06.2015, APDISCOMs bought the power plant on 22.04.2016 and renamed it as GGPP (Godavari Gas Power Plant). The plant is being operated by the employees deputed from APGENCO. APDISCOMs are at present procuring the energy from this plant based on the approval given by APERC in the Retail Tariff Order for FY2021-22. The capacity of the plant is 216 MW. The plant is presently being run with the available APM Gas.

71. APGPCL:

That APGPCL is a joint sector gas-based power project having an installed capacity of 282 MW. Earlier, APTransco was one of the shareholders. APDISCOMs were utilizing power from this project in proportion to the APTransco’s equity share in the project. There was a change in the share pattern of APGPCL during the last financial year after APGPCL transferred all the equity shares of APTransco to some of the participating industries as per Article 6 of the Articles of Association of the company. Therefore, APDISCOMs are not availing power from this project during the current financial year (FY 2022) and have not projected energy availability from the project for the ensuing financial year (FY 2023).

Further, Govt. of AP addressed a letter dated 05.10.2020 to MoP&NG to cancel - APM gas allocation to APGPCL and divert the same to GGPP owned by APDISCOMs/APGENCO to run it at full capacity in the interest of consumers in the state.

INDEPENDENT POWER PRODUCERS (THERMAL)

Sembcorp Energy India Limited (Formerly Thermal Powertech Corporation India Limited):

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

Hinduja Power Plant:

That Hinduja National Power Corporation Ltd. (HNPCL) had set up a 1040 MW (2X520 MW) Thermal Power Plant at Visakhapatnam. In pursuance of the directions of the Hon'ble APTEL, power was purchased from the plant till 18th July 2020. That the matter regarding the procurement of power from this plant is presently subjudice before the Hon'ble Supreme Court of India and as such power procurement from this plant has not been proposed by the DISCOMs.

INDEPENDENT POWER PRODUCERS (GAS)

- 72.** That they have entered into long-term PPAs with GVK Extension (220 MW), GVPGL (GMR Vemagiri Power Generation Limited-370 MW), Gouthami CCPP (464 MW), and Konaseema Gas Power Limited (444.08 MW). These plants were commissioned during the years 2006 (GVPGL), 2009 (GVK Extension, Gouthami CCPP), and 2010 (Konaseema Gas Power Limited). After the bifurcation of AP State, the DISCOMs of the present AP State were allocated 46.11% of capacity in these plants. That the Natural gas supplies from RIL KG D-6 fields to the aforesaid plants became zero w.e.f. 01.03.2013. As a result, there is no generation from these plants as of now. Further, there is no official communication from MoP&NG on the availability of natural gas to these plants. The e-bid RLNG scheme ended by 31.03.2017 and MoP/GOI has not extended the scheme. Therefore, the DISCOMs have not proposed to procure any power from these plants. That the DISCOMs are not paying any fixed charges to these plants at present.

RENEWABLE ENERGY PLANTS

- 73.** That they are having PPAs with Non-Conventional/Renewable Energy plants for the capacities as given in the table below:

TYPE OF NCE/RE PROJECT	CAPACITY IN MW
Biomass power projects including Cogen	108.00
Bagasse Cogeneration	89.00
Mini hydel power projects	34.70
Industrial waste based power projects	21.66
Municipal waste	36.15
Solar	2466.43
Wind	3767.95
JNNSM-Ph-I -Bundled Solar	39.2
JNNSM-Ph-II -Bundled Solar	1250
Total	7813.09

New Thermal Projects:

- 74.** That they have not signed the Amended and Restated PPAs with APGENCO/ APPDCL as of date to receive power from their new plants viz., NTPPS (Stage-V)-800 MW & SDSTPS (Stage-II)-800 MW respectively. Accordingly, power procurement is not proposed from these plants for FY2022-23.
- 75.** The sources considered by the DISCOMs for computing the energy availability during the FY2022-23 are summarized in the table below.

S.No	Source	Contracted Capacity/ Capacity share in MW
1	APGENCO Thermal	3410.00
2	APGENCO Hydel	1797.60
3	Central Generating Stations (CGS)	1980.51
4	Thermal-IPPs	230.55
5	Joint Sector	1656.00
6	NCE/RE	7813.09
Total		16887.75

ENERGY AVAILABILITY

- 76.** Accordingly, energy availability estimated by each DISCOM and the three DISCOMs put together from different sources as described in the previous paragraphs for FY2022-23 is shown in Annexures-04 A to 04 D. The availability from different sources is summarized in the table below.

Table 26: Filings: Energy Availability (MU)

S. No.	Source	TOTAL CAPACITY (MW)	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	APGENCO- Thermal	3410.00	10124.05	9067.59	5843.10	25034.74
2	APGENCO- Hydel	1656.00	1093.23	979.16	630.97	2703.36
3	Interstate- Hydel	141.60	168.23	150.67	97.10	416.00
4	APGENCO-TOTAL	5207.60	11385.51	10197.42	6571.17	28154.10
5	CG Stations	1941.24	5600.00	5015.64	3232.05	13847.69
6	JNNSM Thermal (Bundled)	39.27	119.06	106.64	68.72	294.42
7	NCE/RE plants	7813.09	13991.65	179.98	192.11	14363.74
8	APPDCL Stage-I (1600 MW)	1440.00	4505.42	4035.27	2600.31	11141.00
9	Godavari Gas Power Plant	216.00	191.97	171.94	110.79	474.70
10	Thermal Powertech Corporation	230.55	690.40	618.35	398.46	1707.21
11	TOTAL	16887.75	36484.01	20325.24	13173.61	69982.86

77. After considering the above availabilities, the DISCOMs have estimated energy deficits/surplus with reference to energy requirement, month wise for FY2022-23 for three DISCOMs put together as shown in the table below:

Month	Energy Requirement (MU)	Availability from all Stations (MU)	Deficit/ Surplus for three DISCOMs
Apr, 22	6310.78	5771.34	-539.44
May, 22	6363.07	6087.70	-275.37
Jun, 22	6135.47	6205.08	69.61
Jul, 22	5976.86	6286.76	309.9
Aug, 22	6352.86	6246.20	-106.66
Sep, 22	6014.09	6066.53	52.44
Oct, 22	6098.11	5162.24	-935.87
Nov, 22	5928.70	5305.54	-623.16
Dec, 22	5931.08	5441.56	-489.52
Jan, 23	6289.96	5913.98	-375.98
Feb, 23	6264.60	5469.58	-795.02
Mar, 23	7149.67	6026.36	-1123.31
Total	74815.24	69982.87	-4832.37
Deficit (MU)		-5264.32	
Surplus (MU)		431.95	
Net deficit		-4832.37	

The DISCOMs proposed to bridge the monthly deficit as shown above through procurement from Energy exchanges (IEX & PXL) or through DEEP-E Bidding portal or any other competitive means.

ENERGY DESPATCH

- 78.** The Energy despatches proposed by each DISCOM and the three DISCOMs put together from different sources for FY2022-23 are shown in the Annexures – 06 A to 06 D. The dispatches from different sources are summarized in the table below.

Table 27: Filings: Energy Despatch (MU)

S. No.	Source	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	APGENCO-Thermal	9949.40	8911.12	5742.29	24602.81
2	APGENCO- Hydel	1093.22	979.16	630.97	2703.35
3	Interstate- Hydel	168.21	150.69	97.06	415.96
4	APGENCO-TOTAL	11210.83	10040.96	6470.32	27722.11
5	CG Stations	5599.96	5015.67	3232.04	13847.67
6	JNNSM Thermal (Bundled)	119.06	106.64	68.72	294.42
7	NCE/RE plants	13991.64	180.00	192.11	14363.75
8	APPDCL Stage-I	4505.38	4035.27	2600.32	11140.97
9	Godavari Gas Power Plant	192.00	171.92	110.78	474.70
10	Thermal Powertech Corporation	690.39	618.38	398.46	1707.23
11	Short term purchases	2128.89	1906.73	1228.67	5264.29
12	D<>D-Transactions	-8701.47	5658.21	3043.27	0.00
13	TOTAL	29736.68	27733.78	17344.69	74815.14

POWER PURCHASE COST

- 79.** Based on the above despatches, the DISCOMs have estimated power purchase cost for FY2022-23 as detailed below:

Fixed costs

- 80.** The DISCOMs have stated that the fixed costs in respect of APGENCO's stations have been taken as per the Commission's Orders. The fixed costs projected by the three DISCOMs put together in respect of APGENCO's power plants are given in the table below:

Table 28: Filings: Fixed Cost – APGENCO for FY2022-23

Sl. No.	Generating Station / Stage	Fixed Cost (Rs Cr.) for three DISCOMs
1	Dr.NTTPS	713.69
2	Dr.NTTPS-IV	286.66
3	RTPP Stage-I	269.13
4	RTPP Stage-II	263.90
5	RTPP Stage-III	170.54
6	RTPP Stage-IV	752.53
7	Sub-Toal APGENCO -Thermal	2456.45
8	Srisaillam -RCPH	227.31
9	NSRCPH	26.09
10	NSTPDC PH	50.10
11	Upper Sileru HES	244.49
12	Lower Sileru HES	
13	Donkarayi Canal PH	
14	Penna Ahobilam (PABR)	13.52
15	Mini Hydel Station (Chettipeta)	1.82
16	Machkund(Interstate Hydel Project)	64.77
17	TC Dam (Interstate Hydel Project)	
18	Sub-Total APGENCO -Hydel	628.10
19	AP GENCO-Total	3084.55

81. The DISCOMs have stated that the fixed costs for CGS for FY2022-23 were projected as per the latest CERC, Department of Atomic Energy (DAE), Govt. of India orders. The fixed costs claimed by the three DISCOMs put together in respect of Central Generating Stations are given in the table below.

Table 29: Filings: Fixed Cost - CGS for FY2022-23

Sl.No	Central Generating Station / Stage	Fixed Cost (Rs Cr.) For there DISCOMs
1	NTPC (SR) Ramagundam I & II	138.93
2	NTPC (SR) Simhadri Stage 1	304.78
3	NTPC (SR) Simhadri Stage 2	217.61
4	NTPC (SR) Talcher St- II	87.75
5	NTPC (SR) Ramagundam Stage-III	37.02
6	NTPC Kudgi Stage 1	268.06
7	NTECL Valluru	106.77
8	NLC Stage-I	22.23
9	NLC Stage-II	42.22
10	NPC (MAPS)	0.00

Sl.No	Central Generating Station / Stage	Fixed Cost (Rs Cr.) For three DISCOMs
11	NPC (Kaiga Unit-I,II,III & IV)	0.00
12	NTPL (NLC Tamilnadu Power Ltd Stage-1) (TUTICORIN)	132.27
13	NLC NNTPS	66.38
14	JNNSM PH-1 THERMAL	51.23
15	JNNSM PH-2 THERMAL	
16	CGS TOTAL	1475.25

Fixed costs of other stations

- 82.** Sri Damodaram Sanjeevaiah Thermal Power Project (SDSTPS-1)-Krishnapatnam: The DISCOMs have stated that the fixed charges are considered as claimed by APPDCL for FY2022-23 as per the order in O.P. No.53 of 2019 (for determination of tariffs for FY2019-20 to FY2023-24) by limiting the DISCOMs' contracted share to 90% of the plant capacity. The fixed cost claimed by the three DISCOMs put together in respect of SDSTPS Stage I is shown below:

Station	Fixed Costs (Rs Cr.) for three DISCOMs
SDSTPS-Stage-I	1781.19

- 83.** That in respect of GGPP, the fixed costs for FY2022-23 have been claimed considering the actual fixed cost incurred up to September, 2021 and projections for the balance part of FY 2021-22 are as shown below.

Station	Fixed Costs (Rs Cr.) for three DISCOMs
Godavari Gas Power Plant	25.00

- 84.** That Sembcorp Power Plant (Thermal Powertech) was selected based on a competitive bid and the fixed costs are claimed as per the rates in the bid as shown below:

Station	Fixed Costs (Rs Cr.) for three DISCOMs
Sembcorp Energy India Limited	270.36

Variable Costs

- 85.** The DISCOMs have stated that variable costs for APGENCO's thermal stations have been projected based on the rates furnished by APGENCO for FY2022-23. The variable costs per unit projected by the DISCOMs for APGENCO's stations are given in the table below:

Sl. No	Generating Station / Stage	Variable Cost (Rs/Unit)	Variable Costs (Rs Cr.) for three DISCOMs FY 2022-23
1	Dr.NTTPS	3.62	3269.47
2	Dr.NTTPS-IV	3.31	1251.18
3	RTPP Stage-I	4.04	1211.52
4	RTPP Stage-II	4.04	1182.73
5	RTPP Stage-III	4.04	502.80
6	RTPP Stage-IV	3.93	1815.75
7	Sub-Total APGENCO - Thermal	3.75	9233.45

- 86.** That the variable cost rates for FY2022-23 for Central Generating thermal stations were calculated based on the actual weighted average variable cost for the first half-year of FY2021-22 with 5% escalation to account for the increase in Fuel Costs. The variable costs per unit projected by the DISCOMs for the Central Generating thermal stations are given in the table below:

Sl. No.	Generating Station / Stage	Variable Cost (Rs/Unit)	Variable Cost (Rs Cr.) for three DISCOMs FY 2022-23
1	NTPC (SR) Ramagundam I & II	2.75	565.57
2	NTPC (SR) Simhadri Stage 1	3.15	1130.56
3	NTPC (SR) Simhadri Stage 2	3.16	490.89
4	NTPC (SR) Talcher St. II	1.82	239.53
5	NTPC (SR) Ramagundam Stage-III	2.70	150.25
6	NTPC Kudgi Stage 1	3.64	617.74
7	NTECL Valluru	3.24	213.11
8	NLC Stage-I	2.75	51.23
9	NLC Stage-II	2.77	72.83
10	NPC (MAPS)	2.72	12.88
11	NPC (Kaiga Unit-I,II,III & IV)	3.67	256.58
12	NTPL (NLC Tamilnadu Power Ltd Stage-1)(TUTICORIN)	3.14	275.02
13	NLC NNTPS	2.29	78.43
14	JNNSM PH-1 THERMAL	3.11	91.56
15	CGS TOTAL	3.00	4246.18

Other thermal and gas power plants

87. The DISCOMs have projected variable costs rates per unit for other thermal and gas power stations as shown below stated to be as per the generator information/rates as per bid:

Station	Variable Cost (Rs/Unit)
SDSTPS-Stage-I	3.30
Godavari Gas Power Plant	2.71
Sembcorp Energy India Limited	2.31

NCE/RE Plants

88. Energy from NCE/RE sources has been considered by the DISCOMs at an average price of Rs.3.07 per unit for the three DISCOMs put together for FY2022-23.

Short Term Power Procurement

89. The DISCOMs have considered Rs. 4 per unit for short-term power procurement to meet the energy shortages estimated for FY2022-23. That they are resorting to exchange purchases during distress conditions after exhausting all the available committed sources. That in order to ensure reliable & uninterrupted power supply by the DISCOMs, the shortfall has to be met through time block wise purchases from the exchanges. That they are making best endeavours to contain the weighted average price of the procurement within the ceiling price approved by the Commission. That if the Commission considers ceiling price as the approved price for market purchases and limits the expenditure incurred towards the cost of market purchases while truing up it will deny the DISCOMs of their legitimate claim on expenditure incurred in the interest of maintaining the uninterrupted power supply to the consumers. Therefore, the DISCOMs have requested the Commission to consider and approve the ceiling price for market purchases as the weighted average price of market procurement on a daily basis.
90. The DISCOMs have also stated that they will seek the ratification of the Commission through email by furnishing the day ahead bidding results and Real Time Market (RTM) details of the previous day when the weighted average price of purchases for a day exceeds the ceiling price approved by the Commission. That taking prior approval for the rates in market transactions is not possible due to practical difficulties. Therefore, the DISCOMs have requested the Commission to accord permission for their proposal as stated above.
91. Accordingly, based on the fixed costs, variable costs, and other costs as described above, the power purchase costs that were arrived at by the DISCOMs for the three DISCOMs and DISCOM wise corresponding to the energy despatches estimated by them station/stage wise for FY2022-23 are shown in the Annexures 8A to 8D and the summary of the same, source wise, for the year FY2022-23 is given in the tables below:

Table 30: Filings: Three DISCOMs- Power Purchase Cost for FY2022-23

S. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	24602.81	2456.45	9233.45	11689.90	1.00	3.75	4.75
2	APGenco- Hydel	2703.35	563.33	0.00	563.33	2.08	0.00	2.08
3	Interstate- Hydel	415.96	64.77	0.00	64.77	1.56	0.00	1.56
4	APGENCO-TOTAL	27722.12	3084.55	9233.45	12318.00	1.11	3.33	4.44
5	CG Stations	13847.66	1424.02	4154.62	5578.64	1.03	3.00	4.03
6	JNNSM Thermal (Bundled)	294.42	51.23	91.56	142.79	1.74	3.11	4.85
7	NCE	14363.75	0.00	4408.45	4408.45	0.00	3.07	3.07
8	APPDCL Stage-I	11140.97	1781.19	3673.19	5454.38	1.60	3.30	4.90
9	Godavari Gas Power Plant	474.70	25.00	128.64	153.64	0.53	2.71	3.24
10	Thermal Powertech Corporation **	1707.23	323.16	393.93	717.09	1.89	2.31	4.20
11	Hinduja National Power Limited (HNPL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Short term purchases	5264.29	0.00	2105.72	2105.72	0.00	4.00	4.00
13	Sale to EPDCL	-5658.20	0.00	-1697.46	-1697.46	0.00	3.00	3.00
14	Sale to CPDCL	-3043.27	0.00	-912.98	-912.98	0.00	3.00	3.00
15	Purchase from SPDCL	8701.48	0.00	2610.44	2610.44	0.00	3.00	3.00
16	TOTAL	74815.15	6689.15	24189.56	30878.71	0.89	3.23	4.13
** Other costs of Rs. 52.8 Cr. claimed in respect of Thermal power tech have been included in the fixed costs								

Table 31: Filings: APSPDCL - Power Purchase Cost for FY2022-23

S. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	9949.40	993.39	3734.00	4727.39	1.00	3.75	4.75
2	APGenco- Hydel	1093.22	227.81	0.00	227.81	2.08	0.00	2.08
3	Interstate- Hydel	168.21	26.19	0.00	26.19	1.56	0.00	1.56
4	APGENCO-TOTAL	11210.83	1247.39	3734.00	4981.39	1.11	3.33	4.44
5	CG Stations	5599.96	575.87	1680.13	2256.00	1.03	3.00	4.03
6	JNNSM Thermal (Bundled)	119.06	20.72	37.03	57.75	1.74	3.11	4.85
7	NCE	13991.64	0.00	4199.91	4199.91	0.00	3.00	3.00
8	APPDCL Stage-I	4505.38	720.31	1485.44	2205.75	1.60	3.30	4.90
9	Godavari Gas Power Plant	192.00	10.11	52.02	62.13	0.53	2.71	3.24
10	Thermal Powertech Corporation **	690.39	130.68	159.31	289.99	1.89	2.31	4.20
11	Hinduja National Power Corporation Limited (HNPL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Short term purchases	2128.89	0.00	851.55	851.55	0.00	4.00	4.00
13	D<>D-Transaction	-8701.47	0.00	-2610.44	-2610.44	0.00	3.00	3.00
14	TOTAL	29736.68	2705.08	9588.95	12294.03	0.91	3.22	4.13
** Other costs of Rs. 21.35 Cr. claimed in respect of Thermal power tech have been included in the fixed costs								

Table 32: Filings: APEPDCL - Power Purchase Cost for FY2022-23

S. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	8911.12	889.73	3344.35	4234.08	1.00	3.75	4.75
2	APGenco- Hydel	979.16	204.04	0.00	204.04	2.08	0.00	2.08
3	Interstate- Hydel	150.69	23.46	0.00	23.46	1.56	0.00	1.56
4	APGENCO-TOTAL	10040.96	1117.23	3344.35	4461.58	1.11	3.33	4.44
5	CG Stations	5015.67	515.78	1504.81	2020.59	1.03	3.00	4.03
6	JNNSM Thermal (Bundled)	106.64	18.55	33.16	51.71	1.74	3.11	4.85
7	NCE	180.00	0.00	102.34	102.34	0.00	5.69	5.69
8	APPDCL Stage-I	4035.27	645.15	1330.43	1975.58	1.60	3.30	4.90
9	Godavari Gas Power Plant	171.92	9.06	46.59	55.65	0.53	2.71	3.24
10	Thermal Powertech Corporation **	618.38	117.04	142.68	259.72	1.89	2.31	4.20
11	Hinduja National Power Corporation Limited (HNPL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Short term purchases	1906.73	0.00	762.69	762.69	0.00	4.00	4.00
13	D<>D-Transaction	5658.21	0.00	1697.46	1697.46	0.00	3.00	3.00
14	TOTAL	27733.78	2422.81	8964.51	11387.32	0.87	3.23	4.11

** Other costs of Rs.19.12 Cr. claimed in respect of Thermal power tech have been included in the fixed costs

Table 33: Filings: APCPDCL - Power Purchase Cost for FY2022-23

S. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	5742.29	573.34	2155.09	2728.43	1.00	3.75	4.75
2	APGenco- Hydel	630.97	131.48	0.00	131.48	2.08	0.00	2.08
3	Interstate- Hydel	97.06	15.12	0.00	15.12	1.56	0.00	1.56
4	APGENCO-TOTAL	6470.32	719.94	2155.09	2875.03	1.11	3.33	4.44
5	CG Stations	3232.04	332.36	969.69	1302.05	1.03	3.00	4.03
6	JNNSM Thermal (Bundled)	68.72	11.96	21.37	33.33	1.74	3.11	4.85
7	NCE	192.11	0.00	106.20	106.20	0.00	5.53	5.53
8	APPDCL Stage-I	2600.32	415.73	857.32	1273.05	1.60	3.30	4.90
9	Godavari Gas Power Plant	110.78	5.84	30.03	35.87	0.53	2.71	3.24
10	Thermal Powertech Corporation **	398.46	75.42	91.94	167.36	1.89	2.31	4.20
11	Hinduja National Power Corporation Limited (HNPL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Short term purchases	1228.67	0.00	491.48	491.48	0.00	4.00	4.00
13	D<>D-Transaction	3043.27	0.00	912.98	912.98	0.00	3.00	3.00
14	TOTAL	17344.69	1561.25	5636.10	7197.35	0.90	3.25	4.15

** Other costs Rs.12.32 Cr. claimed in respect of Thermal power tech have been included in fixed cost

Objections, Views, and Suggestions

92. Pari Materia objections/views/suggestions have been received by the Commission from Sri M.Venugopal Rao and 13 others (mentioned in Annexure-2). Inter alia, the main objections/views/suggestions submitted by them are

- i. That the DISCOMs have not projected energy availability from NTPS-V (800 MW) and SDSTPS stage II (800 MW) for FY2022-23. The PPAs for these stations are yet to be entered into. The more the delay in the commissioning of these stations, the higher will be their capital cost and Interest During Construction. If both these stations run at the normative PLFs, about 12,000 MU of energy per year would be available to the DISCOMs, and there would be no need for the 7000 MW of solar power from SECI.
- ii. That there are wide disparities among the DISCOMs in the energy availabilities and requirements projected by them. These disparities are a result of the disproportionate allocation of capacities among the DISCOMs in different generating stations, especially in RE generating stations.
- iii. That for the FY2020-21, against the income of Rs.718.05 crore approved by the Commission against the sale of RECs, SPDCL has shown nil income. For FY2022-23, SPDCL has not estimated any income from the sale of RECs. Based on market trends, it has to show estimated income from the sale of RECs for FY2022-23 realistically.
- iv. That the estimates by the DISCOMs from APGENCO thermal stations for FY2022-23 show an additional availability. If availability from APGENCO thermal stations for FY2021- 22 was estimated as per the normative availability specified by the applicable regulations of APERC/CERC, there would be no scope for additional availability from the same stations for FY2022-23.
- v. That for FY2021-22, the DISCOMs have shown a lesser availability from APPDCL and GGPP than approved by the Commission at the same fixed costs. That if APPDCL fails to generate and supply power as approved by the Commission, fixed costs should be reduced correspondingly. The reasons for paying the same fixed charges for the supply of nearly half of the availability approved by the Commission were not explained by the DISCOMs. For FY2022-23, the DISCOMs have shown the power availability from GGPP to the tune of 474.70 MU only at a fixed cost of Rs.20 crore. The DISCOMs have to pay the fixed charges approved by the Commission for such a lesser supply of power.
- vi. That the DISCOMs proposed to purchase 5264.31 MU from the market/short-term sources for FY2022-23 even though the net deficit after taking into account surplus energy from APSPDCL is low.

- vii. That the DISCOMs have not explained why they are purchasing nearly eight times more the quantum of power than that approved by the Commission from the market during FY2021-22 and its implications.
- viii. That in the annual retail supply tariff orders, the Commission estimates the cost of power purchases based on the quantum of power required to meet the demand. As such, costs of backing down of surplus power and costs towards additional purchases are not being considered in the ARR determined by the Commission. As a result, claims under true-up are being made by DISCOMs for huge amounts. With the kind of deficiencies in the system of true-up, consumers are being burdened additionally, and DISCOMs are suffering financial losses to the extent of true-up claims that are not allowed.
- ix. That there is a need to fix a reasonable upper limit on the price for purchase of power in the market and through exchanges in accordance with the principle of merit order dispatch and terms and conditions for backing down incorporated in the PPAs of the power units concerned. That the Commission should not allow true-up claims pertaining to market-based power if the price for such power exceeds the upper limit specified by the Commission.
- x. That with the order of the Hon'ble Supreme Court dated 02.02.2022 in favor of HNPCL, the power deficit for FY 2022-23 projected by the DISCOMs would turn out to be a substantial surplus.

DISCOMs' Response:

That they have not considered procurement of power from VTPS-V and SDSTPS-Stage-II for FY2021-22 and FY2022-23 as the amended & restated PPAs have not been signed as of the date.

That the power purchase commitments from different PPAs have been shared among the DISCOMs based on percentage allocations notified by the GoAP. That they projected generation as per the availability statements furnished by different units of APGENCO for H2 of FY2021-22 and full FY2022-23.

That the fixed charges to the conventional generators are payable based on their availability as per the terms of the PPAs. Wherever there is a reduction in the plant availability, the fixed charges will be reduced proportionately. If a plant is backed down due to reasons of Grid Security and Grid Balancing to accommodate Renewable generation such as Wind & Solar, the fixed cost shall be payable for the backed down energy.

That the DISCOMs own GGPP and they are incurring the O&M cost of the plant. The availability of APM gas is reducing year by year. GoAP /APDISCOMs requested GOI, Ministry of Petroleum & Natural Gas to ramp up the APM gas supply to the plant by

duly diverting the same from other private plants in order to optimize the Power Purchase costs at the State level.

That the procurement activity is being carried out centrally considering the State Grid Demand as a whole. The market purchases are done and allocated to different DISCOMs based on the allocation ratios of PP capacities. Accordingly, APSPDCL was also allocated the market purchases to the extent of 2,128.19 MU for FY2022-23. The power purchase deviations among DISCOMs are settled based on the monthly energy consumptions & entitlements to the procured energy of the DISCOMs. The surplus energy available with APSPDCL is shared with the APEPDCL & APCPDCL to fill their deficit.

That out of 9,230.18 MU of short-term power required for FY 2021-22, 522 MU is the expected procurement from Lanco & Spectrum. The remaining quantum of 8,709 MU is proposed to be procured from short-term sources such as Exchanges/Bilateral. The approved quantum of short-term purchases for FY2021-22 is 1316.30 MU. The additional purchase requirement is due to the lesser availability declared by the committed sources.

That for accommodating RE which has Must Run status as per the Grid Code, conventional/dispatchable generation sources, mostly thermal power plants are backed down duly paying the fixed costs for the backed down energy and Reserve Shut Down (RSD) period. During the high RE season, certain thermal plants are kept under RSD. Thermal plants require a minimum of 18-24 hours, to heat up, start and reach the rated capacity. After reaching the rated capacity, RSD is again imposed due to intermittency in RE generation. This results in incurring huge costs due to deration of the operational parameters and loss of heat energy in the turbines. Therefore, to bring the thermal units into operation from RSD, the condition of whether there is a demand on the grid/requirement of generation for a longer period of at least a week is checked. If the prevailing grid demand doesn't warrant the unit to be brought into service, market purchases are resorted to meet the intermittent shortages during certain time blocks/slots or for the entire day. As stated by the objector, 3758 MU of energy was purchased from the market and exchanges during FY2019-20 for grid balancing, flexible operation of the grid so as not to endanger the Grid safety as per IEGC provisions. The DISCOMs are constrained to purchase additional power through markets on a Day-Ahead basis or in Real-time to meet Grid demand during Peak periods/RSD of conventional plants/uncertainties in RE forecast. As contended by the objector, DISCOMs are incurring financial losses to the extent of their claims for true-up that are not allowed by the Commission. Variations in the quantum of power and prices are the causes of True-Ups.

- 93.** Sri M. Thimma Reddy has stated the need to explore avenues to bring down power purchase costs to lower the tariff burden on the consumers as well as budgetary support from the state government. That the fixed costs of APGENCO thermal units, particularly of RTPP Stage III and IV and SDSTPS are very high due to inordinate delays as well as inefficiencies in their execution. That by following the practices of Sembcorp in procurement as well as utilization of coal, APGENCO thermal plants, as well as SDSTPS, can bring down variable costs. He also stated that the DISCOMs' estimations on power availability show that most of the thermal power plants supplying power to them operate below threshold PLFs. By operating these power plants over and above threshold levels, there is a scope to bring down the deficit in availability and reduce market dependency. He further stated that the DISCOMs are procuring power from market sources over and above the ceiling rate fixed by the Commission. He suggested load shedding linked to AT&C losses rather than buying the power at higher prices.

DISCOMs' Response: That they have been taking several technical measures for reducing costs in coordination with APGENCO. That the operation of thermal plants below their threshold PLFs is not intentional. The energy dispatches depend on the availability from various generating sources including Renewable sources which are conferred "Must Run Status" and the Grid Demand. Monthly Grid demand and available generation vary across the months due to seasonal variations. 80% of the wind generation is realized during the three months period. Entire solar is available during the sunny time only. Thermal plants cannot be operated intermittently or discretely. They require a cool-off period between shutdowns and startups. That the proposed market purchases are not unexpected emergencies. They are estimated prudently.

- 94.** The FAPCCI and SICMA have stated that in compliance with APERC directives, the DISCOMs have informed that they have established a dedicated cell for real-time monitoring of market prices round the clock. There is a significant difference between the Declared Capacity and Schedule Generation implying that there is a surplus power that was not dispatched. In order to optimize its power portfolio, the DISCOMs ought to have taken proactive steps to sell the surplus power using options available in the power market (DAM/RTM/DEEP). That the prices of power on the spot market were higher in many cases than the variable costs of surplus power. That the DISCOMs could have easily sold the surplus on the spot market and earned profits.

That the DISCOMs considered arbitrary escalation while projecting the variable charges of the generating stations for FY2021-22 (H2) and FY2022-23. DISCOMs have estimated significant escalation in variable charges particularly in the case of APGENCO stations without providing any rationale. That escalation of 5% in variable

charges to factor the increase in fuel cost is not tenable, as the last coal price hike by Coal India Ltd. was in 2018.

That the DISCOMs considered market purchases at a price in the range of Rs. 4.00-4.14/kWh which is higher than the ceiling price of Rs. 3.86/kWh set by the Commission in the previous year's tariff order. That based on data available in the public domain from the IEX website, the monthly average of the market-clearing prices (MCP) is in the range of Rs. 2.42/kWh to Rs. 4.07/kWh in Day-Ahead Market (DAM) with the yearly average being Rs. 2.89/kWh. Similarly, the monthly average of the market-clearing prices (MCP) is in the range of Rs. 2.22/kWh to Rs. 3.73/kWh in Real-Time Market (RTM) with the yearly average being Rs. 2.86/kWh. Hence, the Commission may approve the last year's ceiling price of Rs. 3.86/kWh for market purchases.

That the DISCOMs have not provided any cogent reason for considering such a drop in availability factor of CG Stations even though the unit costs of these Stations are cheaper when compared to that of many other sources of power. The Commission may look into this aspect and approve the power purchase cost considering the availability from CGS stations at levels actually achieved in FY 2020-21.

DISCOMs' Response: That they are making the best possible efforts to sell surplus power on a Day-Ahead basis or in Real-Time Market as per the forecast furnished by APSLDC. Surplus power projected in the ARR is the potential to generate surplus power but not surplus that needs to be disposed of compulsorily. The DISCOMs have an option whether to sell it or not depending on the prevailing market prices at that point in time.

That fuel cost includes Basic Fuel Price and Transportation. Coal India which is a monopoly, supplies coal to the thermal power plants as per the coal linkages at the notified prices. Some portion of the plants' requirement needs to be procured through Auctioned Coal/Premium Coal supplies, etc. In view of the above, the DISCOMs have considered an escalation of 5% for variable costs. Since fuel cost is a pass-through as per the PPA conditions, any differences between the estimates and actuals can be trued-up or trued-down later. Therefore, they are requesting the Commission to consider the 5% escalation for variable costs.

That the hourly market prices in the IEX on a representative day in each month in the calendar year 2021 and the weighted average price are higher than what is proposed by the DISCOMs for short term purchases for FY2022-23. The DISCOMs requested the Commission to approve the proposed price of Rs 4.0/Unit for market purchases.

That availability from CG stations is considered as per the data furnished by the respective Generators.

95. Sri S. Pratap, APSEBAEEA stated that the DISCOMs have not considered the upcoming new thermal projects NTPS (Stage-V)-800 MW and SDSTPS (Stage-II)-800 MW by simply stating that the Amended and Restated PPAs have not been signed as of date with APGENCO/APPDCL for these projects. When these two projects come into service in FY2021-22, the energy availability will approximately increase to 85,000MUs. Then, the DISCOMs will have sufficient reserves of installed capacities to meet variations in the variable renewable energy or any increase in the grid demand. He also stated that the DISCOMs utilized 16,431.20 MU from the APGENCO/APPDCL against the approved availability of 29,923.56 MU from the said plants. The DISCOMs have not utilized this low-cost power at a weighted average variable cost of Rs.3.22/kWh, and purchased huge quantities of energy from the Market at higher costs. Contrary to the above, the DISCOMs repeatedly canvassed through media that they made huge financial savings due to the market procurements in FY 2020-21. He further stated that the state-owned thermal power plants are not in a position to maintain sufficient coal stocks due to cash flow problems. Hence, he requested the Commission to direct the DISCOMs to implement the LC mechanism in respect of the state-owned thermal generators.

DISCOMs' Response: That they have noted the comments/suggestions.

96. The Mytrah Energy (India) Pvt. Ltd. stated that the DISCOMs should not curtail power from RE generators because of the MUST RUN status accorded to these generators as per IEGC. They requested the Commission to issue necessary directions to APDISCOMs (i) to recognize Must run status accorded to Wind Power projects (ii) to consider tariff of wind power projects as per the PPA instead of Rs.2.43/unit. If the tariff in the PPA is not considered, the differences have to be claimed in the true-up filings and the resulting delay could render NCE projects unsustainable. They also stated that as per the terms of PPA, if the payments are delayed beyond the due date, generators are entitled to interest on delayed payments at the rates specified in the PPAs. The average period for realization of payments as per the records ranges from 6 to 12 months. The DISCOMs are unilaterally waiving off the late payment surcharge which shall be payable to wind projects as per PPAs. Non-inclusion of amounts towards late payment surcharges in the ARR would affect the generators financially. Hence, they requested the Commission to factor the 'Late Payment Surcharge' for a period of 06 months in the ARR instead of allowing the same in True-Up costs.

DISCOMs' Response: That some of the PPAs of the wind power projects have expired leading to a corresponding reduction in wind power generation. The Must Run status accorded to RE generators will be complied with. As the matter of fixation of tariff rates for the NCE power projects is subjudice, the interim rates as per the orders of the Hon'ble High Court of A.P have been considered for the Wind & Solar projects in the ARR filings for estimating the power purchase cost. That the late Payment Surcharges

on account of delayed payments would be as per the terms & conditions of PPA but do not depend on true-up petitions. Other issues raised by the objector are under the purview of the Hon'ble APERC. Regulations do not provide for the inclusion of costs towards 'Late Payment Surcharge (LPS)' in the ARR.

- 97.** Sri Jogendra Behara, IEX has stated that Green Term Ahead and Green Day Ahead markets were introduced on the IEX platform. In view of the possible availability of surplus RE during FY2022-23, DISCOMs can make use of the above platform to dispose of their surplus RE or to fulfill their RPPO targets at competitive prices with the flexibility to enter and exit the market. He also stated that if DISCOMs are mandated to take prior approval/ratification of the Commission while procuring power from the market, their ability to participate in the market may get constrained. Therefore, he requested the Commission to continue with its approach of monitoring the specified ceiling rate against the weighted average power purchase cost from the market which will help the DISCOMs in managing their procurement costs with adequate planning and freedom. He further stated that the Commission may consider and approve all the available options in the short-term market for optimizing power purchase costs as well as to meet the deficit requirements of the DISCOMs keeping in view the introduction of longer duration contracts in the future in IEX for delivery of power beyond 11 days.

DISCOMs' Response: That they have welcomed and noted the suggestions.

Commission's analysis and decision

- 98.** The Commission would express its opinion at appropriate places on the objections and DISCOMs' responses in the paragraphs infra. The Commission has examined the proposed power sources, energy availability, despatches, and accordingly approves the power purchase costs for FY2022-23 as detailed below:
- 99.** The DISCOMs have proposed to continue to procure power from NTPC Ramagundam I & II and NLC TPS-II Stage-I & II for FY2022-23 though the PPAs of the said plants have expired on 31.10.2017 & 31.03.2021 respectively by citing their low per unit prices at the Andhra Pradesh state periphery after accounting for the inter-state transmission charges applicable to them. The Commission after careful examination of the unit prices paid to these plants in the past few years and also the prices proposed by the DISCOMs for FY2022-23 for these plants, has decided to accept the request of the DISCOMs and accordingly considered the proposed procurements as an interim measure in the ARR computations for FY2022-23.
- 100.** Further, APSPDCL on behalf of the three DISCOMs by its Lr. No. CGM (Projects & IPC) APSPDCL/GM/IPC/F.CGS/D.No.1164/21, Dt.24/12/2021 placed all the PPAs with the CGSs quoting the following direction issued by the Commission in the RST order

for FY2021-22.

“However, DISCOMs are directed to place all the power purchase agreements of CGS before the Commission irrespective of when they were entered into, justifying the necessity of continuing the power purchases from them and their impact on the overall power procurement plan and cost implications for the balance control period”

The Commission issued the above direction while dealing with the objection relating to the inclusion of NTPC Ramagundam I & II and NLC TPS-II Stage-I & II in the power procurement plan for FY2021-22. As there was no approval by the Commission for any of the PPAs with the Central Generating Stations, the DISCOMs have sought the approval of the Commission for the same now. In support of their request, they submitted that power procured from all the CGSs is treated as 'Base load requirement' to cater to the daily demand because of cost viability, reliability, and 24/7 availability when compared with other power purchases on a long-term basis. Moreover, AP state is entitled to the capacity allocations from these CGS as per the notification issued by the MoP from time to time.

As there is no consent of the Commission for these PPA with the CGS, there is no obligation on the DISCOMs to take power from them unless the Commission approves the same on a case by case basis. The Ministry of Power (MoP), GoI vide its letter dated 28.08.2016 had clarified that the PPAs the DISCOMs enter into with interstate projects shall have the approval of the State Electricity Regulatory Commission (SERC) concerned as they only have the powers to regulate electricity purchases and procurement process of distribution licensees under section 86(1)(b) of the Electricity Act, 2003 except the tariff and tariff related matters of the PPAs. In the above backdrop, the Commission has examined the unit costs paid to the CG stations in the past few years and prices proposed by the DISCOMs for them for FY2022-23. Among the CGSs proposed by the DISCOMs for inclusion in the ARRs for FY2022-23, the following stations have higher unit costs.

S. No.	1	2	3	4
Name of the Station	NTPC Kudgi Stage-I	NTECL Valluru	NTPL (NLC TamilNadu)	NLC NNTPS
Rupees per unit during FY2015-16 (Actual)	–	3.67	4.06	–
Rupees per unit during FY2016-17 (Actual)	–	4.47	4.34	–
Rupees per unit during FY2017-18 (Actual)	5.42	5.24	5.99	–
Rupees per unit during FY2018-19 (Actual)	7.72	6.83	5.66	–

Rupees per unit during FY2019-20 (Actual)	8.17	8.36	5.05	4.10
Rupees per unit during FY2020-21 (Actual)	9.01	6.77	5.66	4.45
Rupees per unit during FY2021-22 (Estimated)	6.09	4.83	4.60	4.23
Rupees per unit during FY2022-23 (Projections)	5.21	4.87	4.65	4.24

As could be seen from the above table, the per unit costs from the above stations work out to more than Rs.5 per unit after factoring in the interstate transmission charges. The Commission, therefore, examined the capacities contracted by the DISCOMs, energy proposed to be procured from these stations, and dates of signing and dates of expiry of PPAs. Though the residuary term of PPAs ranges between 18 and 24 years, in the absence of their approval by this Commission they are not per se, enforceable. Unless the tariff is at reasonable levels, it would be against the consumers' interest to allow the licensees to purchase power.

The Commission has also examined the weighted average per unit price of the energy procured by the DISCOMs from the exchanges during the current financial year (Up to Sep' 21) and found it to be around Rs.4.80 per unit.

Therefore, after examining the above factual information, and also keeping in view the adverse financial impact of these PPAs on the DISCOMs particularly on long term basis in the form of increased overall power purchase costs, the Commission has decided not to include the above stations in the list of approved sources for FY2022-23. However, other CGSs, in view of their lesser per unit costs, have been included in the list of approved sources for FY2022-23 only and the above inclusion, however, does not confer any right on the DISCOMs to continue procurement from these stations beyond FY2022-23. As regards the request of the DISCOMs for approval of the PPAs with CGS, the same will be dealt with by the Commission in separate proceedings in accordance with law.

- 101.** Further, the Hinduja National Power Corporation (HNPCL) made a representation to the Commission at the public hearing on 25-01-2022 to consider HNPCL in the ARR for FY2022-23 on the basis of the interim order dated 21-08-2020 passed by the Hon'ble Supreme Court. The Commission had asked the HNPCL to submit a copy of the final judgment of the Hon'ble Supreme Court soon after it is passed, to proceed further in accordance with the final judgment. Accordingly, the HNPCL vide its letter dated 09.02.2022 submitted a copy of the judgment dated 02-02-2022 passed by the Hon'ble Supreme Court. The operative part of the Judgement, inter-alia, reads as under:

“112. In the result, the present appeal is dismissed with costs, quantified at Rs.5,00,000/(Rupees Five lakh only). Pending I.As., if any, shall stand disposed of.

113. Taking into consideration that the issue before the State Commission is pending since long, we direct the State Commission to decide O.P. No.21 of 2015 and O.P. No.19 of 2016, as expeditiously as possible, and in any case, within a period of six months from the date of this judgment.

114. Needless to say that till O.P. No.21 of 2015 and O.P.No.19 of 2016 are decided by the State Commission, the appellants - DISCO.MS shall forthwith start purchasing the power from HNPCL at the rate of Rs.3.82 per unit as per the orders passed by the APTEL dated 16th March, 2018 and by this Court dated 21st August, 2020.”

HNPCL also stated that in pursuance to the above order and as per the instructions received from the DISCOMs vide email dated 03-02-2022, they are supplying power to the DISCOMs as per the declared availability. That the generation and supply of power from HNPCL commenced on 03.02.2022 and the Plant (2x520 MW) is running at its peak capacity and has exported 103.1 MUs of energy till 08.02.2022. Therefore, HNPCL requested the Commission to advise the DISCOMs to the effect that the procurement of power in terms of the order of the Hon'ble Supreme Court, shall form part of the approved power procurement for the Financial Years 2021-22 and 2022-23.

In this regard, APSPDCL vide its letter Lr. No. CGM (Projects & IPC) APSPDCL/GM/IPC/F.HNPCL/D.No.97/ Dt.02.2022 and on behalf of three DISCOMs has informed the Commission that the DISCOMs have started purchasing power from HNPCL w.e.f. 03.02.2022 to comply with the said orders of Hon'ble Supreme Court and sought for further instructions in this regard in view of the said order.

In light of the unequivocal judgement of the Hon'ble Supreme Court, the Commission includes HNPCL in the power procurement plan for FY2022-23 and the data submitted by HNPCL vide its letter dated 04.10.2021 has been considered while approving the power procurement plan. The Commission will issue appropriate orders in O.P. No.21 of 2015 and O.P.No.19 of 2016 in due course based on merits and public interest in compliance with the order of the Hon'ble Supreme Court.

- 102.** As the fixed costs payments to all the conventional generators are linked to the normative availability specified by the applicable regulations of APERC/CERC, the energy availabilities from these generators have to be estimated at normative availability only but not on the past trends unless either the generators or the DISCOMs bring to the notice of the Commission in the filings valid specific reasons for projecting lesser availabilities from these generators. However, neither the DISCOMs nor the Generators have brought any such reasons to the notice of the Commission

for the FY2022-23. Therefore, the Commission has estimated the energy availability from all the thermal plants at normative availability. As pointed out by one of the objectors, the energy availability from APGENCO stations has been projected at more than the normative availability, and the Commission, based on the energy despatches from the thermal stations of APGENCO up to December '21, has limited the availabilities to normative values as the DISCOMs have not provided any justification in the filings for projections beyond the normative availabilities. As the DISCOMs have not projected energy availability from NTPS-V (800 MW) and SDSTPS stage II (800 MW) for FY2022-23, due to absence of PPAs for these stations, the Commission has not included them in the approved sources. However, as and when the units synchronized, the DISCOMs shall approach this Commission for permission to procure power.

103. In accordance with the above discussions, the Commission has estimated the energy availability from different sources by it as stated below:

- a. The energy availability from APGENCO's thermal stations has been estimated at normative availability as specified in Regulation 1 of 2008. However, the energy availability from RTPP IV is considered as specified in the Commission's order dated 31.12.2020 in OP No. 33 of 2019 and OP No 35 of 2018 (part).
- b. The energy availability from SDSTPS (2x800MW) has been estimated at 85 percent availability on 100% installed capacity as per the orders dated 13.08.2020 of this Commission in OP No 52 of 2019.
- c. The energy availability from CGSs have been estimated based on the contracted capacities mentioned in the filings excluding the contracted capacities from the four stations viz., NTPC Kudgi Stage-I, NTECL Valluru, NTPL (NLC TamilNadu) and NLC NTPS.
- d. The Energy availability from APGenco hydel stations and interstate hydel stations, based on the actual generation upto Feb 2022, the filings are suitably modified and adopted.
- e. The energy availability from Sembcorp (Thermal Powertech) (Thermal IPP) has been limited to the normative availability at 85 percent.
- f. The energy availability from HNPCL has been considered at 85% as per the company's letter dated 04.10.2021.
- g. The energy availability from GGPP has been considered as projected by the DISCOMs
- h. The energy availability from NCE/RE and other sources including wind and solar power plants at estimated CUFs based on the actual energy generated in the past has been considered.
- i. Conventional capacities as per the allocation percentages specified for each DISCOM and NCE/RE capacities as per the geographical location have been considered.

104. Accordingly, the station/unit wise energy availability estimated by the Commission for each DISCOM and also for three DISCOMs put together is shown in the Annexures 05A to 05D. The summary of the same for the FY2022-23, source wise is given in the table below:

Table 34: Approved: Energy Availability (MU)-FY2022-23

S. No.	Source	DISCOMs' TOTAL CAPACITY (MW)	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	APGENCO-Thermal	3410.00	8955.73	8021.18	5168.81	22145.72
2	APGENCO- Hydel	1656.00	1150.14	1030.12	663.81	2844.07
3	Interstate- Hydel	141.60	197.31	176.72	113.88	487.91
4	APGENCO-TOTAL	5207.60	10303.18	9228.02	5946.49	25477.70
5	CG Stations	1490.17	3845.14	3443.89	2219.23	9508.26
6	JNNSM Thermal (Bundled)	39.27	128.60	115.18	74.22	318.00
7	NCE	7813.09	14689.33	197.52	203.39	15090.24
8	APPDCL Stage-I	1440.00	4504.70	4034.62	2599.89	11139.22
9	Godavari Gas Power Plant	216.00	192.37	172.30	111.03	475.70
10	Thermal Powertech Corporation	230.55	649.07	581.33	374.61	1605.01
11	Hinduja National Power Corporation Limited (HNPL)	1040.00	2928.26	2622.69	1690.05	7241.00
12	TOTAL	17476.68	37240.65	20395.56	13218.91	70855.12

105. The energy availability estimated by the Commission and by the three DISCOMs from different sources for FY2022-23 is given in the table below:

Table 35: Approved Vs Filing: Energy Availability (MU)

S. No.	Generating Station	Total for three DISCOMs		
		Filing	Approved	Difference
(1)	(2)	(3)	(4)	(5)=(4)-(3)
1	APGENCO-Thermal	25034.74	22145.72	-2889.02
2	APGENCO- Hydel	2703.36	2844.07	140.71
3	Interstate- Hydel	416.00	487.91	71.91
4	APGENCO-TOTAL	28154.10	25477.70	-2676.40
5	CG Stations	13847.69	9508.26	-4339.44
6	JNNSM Thermal (Bundled)	294.42	318.00	23.58
7	NCE/RE plants	14363.74	15090.24	726.50
8	APPDCL Stage-I	11141.00	11139.22	-1.79
9	Godavari Gas Power Plant	474.70	475.70	1.00
10	Thermal Powertech Corporation	1707.21	1605.01	-102.20
11	Hinduja National Power Corporation Limited (HNPL)	0.00	7241.00	7241.00
12	Total	69982.86	70855.12	872.26

106. However, the inclusion of any project/plant under the above sources is only for the purpose of estimating the availability of capacity during the FY2022-23 and the same does not in any way confer automatic regulatory approval which has to be obtained

separately based on merits in accordance with the law. Further, in respect of the Generating stations included in the sources of supply shown above which either have no Power Purchase Agreements or which have no approval from the Commission for their Power Purchase Agreements and/or whose tariffs are yet to be determined by the Commission, except in the cases where there is an ad-hoc tariff already being paid as per the Orders of the Commission, the licensees shall not receive any supply of power without prior intimation to and prior approval of the Commission.

- 107.** After taking into consideration the availabilities and energy requirement on monthly basis, the Commission has estimated energy deficits/surplus, month wise for the FY2022-23 as shown in the table below:

Monthly Mapping of Power Purchase Requirement and Availability

Table 36: APPROVED-ALL DISCOMs - Month wise deficit (-) / surplus (MU)

S. No.	Month	Power Purchase Requirement (MU)	Energy Availability (MU)	Deficit (-) / Surplus (MU)
(a)	(b)	(c)	(d)	(e)=(d)-(c)
1	Apr '22	6128.25	5957.67	-170.58
2	May '22	6169.49	6144.38	-25.11
3	Jun '22	5952.61	6406.35	453.74
4	Jul '22	5815.97	6327.24	511.27
5	Aug '22	6194.84	6432.65	237.81
6	Sep '22	5869.29	6258.1	388.81
7	Oct '22	5964.67	5270.67	-694.00
8	Nov '22	5804.96	5329.38	-475.58
9	Dec '22	5814.41	5423.21	-391.20
10	Jan '23	6145.73	5751.18	-394.55
11	Feb '23	6112.64	5478.13	-634.51
12	Mar '23	6956.02	6076.15	-879.87
Total		72928.92	70855.12	-2073.8

- 108.** As could be seen from the above table, against the total power purchase requirement of 72928.92 MU for FY2022-23 as determined by the Commission in Chapter-III, the energy availability from different sources is 70855.12 MU and there will be a shortage of energy to the extent of 3675 MU during the 8 months of FY2022-23 which has to be met from other sources by the DISCOMs. As regards the contention of one of the objectors that the power deficit for the FY2022-23 projected by the DISCOMs would turn out to be a substantial surplus with the inclusion of HNPCL in the power procurement plan for FY2022-23 as per the Hon'ble Supreme Court's order, due to the exclusion of four central thermal stations from approved sources on cost considerations, there would be no surplus power availability.

- 109.** After the determination of energy availability and power purchase requirement for the FY2022-23, the Commission has first mapped the month wise power purchase requirement to the month wise energy available for each DISCOM in the merit order based on the variable cost. Then, if any DISCOM has been found to have an energy deficit in any month, the same has been met from the surplus energy of the other DISCOMs in the form of DISCOM-to-DISCOM purchases in order to optimise the power purchase cost of three DISCOMs put together. Though these disparities in energy deficits are the result of the disproportionate allocation of capacities among the DISCOMs in different generating stations as pointed out by one of the objectors, however, in view of DISCOM-to DISCOM adjustment of energy on a real time basis by the SLDC, the net impact on the individual DISCOM due to such disproportionate allocations would be minimal.

Energy Dispatch for FY2022-23

- 110.** While preparing the month wise energy despatches, the available energies from all Stations as shown in Annexure – 07 A to 07D have been considered for dispatch. The stations having the must run status such as Renewable Energy Projects, Nuclear Power Projects and Hydel Stations have been dispatched first. The SLDC shall strictly comply with applicable CERC/SERC regulations while dispatching energy from these projects on a real time basis. As regards one of the objector's request to direct the DISCOM to treat wind power projects as must run, it may be noted that the Commission treats wind energy projects as must run since they come under the Renewable Energy category and accordingly the Commission has prepared the despatch schedule which despatches such energy first irrespective of the merit order. Next in the despatch schedule fall the thermal and gas stations arranged in ascending order based on per unit variable costs.
- 111.** By following the above procedure, the Commission has strived to reduce the power procurement cost of the DISCOMs to the extent possible while at the same time ensuring that the consumers in the State are provided with uninterrupted supply at reasonable prices.
- 112.** The station/stage wise dispatches of energy filed by the DISCOMs and approved by the Commission are shown in Annexures 07 A to 07 D. The summary of energy despatches from different sources as filed and approved is as under

Table 37: Approved Energy Despatch (MU)

S. No.	Source	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	APGENCO-Thermal	7354.40	8021.18	5168.81	20544.39
2	APGENCO- Hydel	1150.14	1030.12	663.81	2844.07
3	Interstate- Hydel	197.31	176.72	113.88	487.91
4	APGENCO-TOTAL	8701.85	9228.02	5946.50	23876.37
5	CG Stations	3845.14	3443.89	2219.23	9508.26
6	JNNSM Thermal (Bundled)	128.60	115.18	74.22	318.00
7	NCE	14689.33	197.52	203.39	15090.24
8	APPDCL Stage-I	4504.70	4034.62	2599.89	11139.21
9	Godavari Gas Power Plant	192.37	172.30	111.03	475.70
10	Thermal Powertech Corporation	649.07	581.33	374.61	1605.01
11	Hinduja National Power Corporation Limited (HNPL)	2928.26	2622.69	1690.05	7241.00
12	Total Despatch	35639.32	20395.56	13218.92	69253.79
13	Short term purchases	0.00	2306.81	1368.27	3675.09
14	D<>D-Transaction	-6770.86	4268.46	2502.39	0.00
15	TOTAL	28868.47	26970.83	17089.58	72928.88

113. The comparison between filings and approvals of combined energy despatch of three DISCOMs is given in the table below:

Table 38: Filings and Approved - Energy Despatch (MU)

S.No.	Generating Station	Total for three DISCOMs		
		Filing	Approved	Difference
(1)	(2)	(3)	(4)	(5)=(4)-(3)
1	APGENCO-Thermal	24602.81	20544.39	-4058.42
2	APGENCO- Hydel	2703.35	2844.07	140.73
3	Interstate- Hydel	415.96	487.91	71.96
4	APGENCO-TOTAL	27722.11	23876.37	-3845.74
5	CG Stations	13847.67	9508.26	-4339.41
6	JNNSM Thermal (Bundled)	294.42	318.00	23.58
7	NCE	14363.75	15090.24	726.49
8	APPDCL Stage-I	11140.97	11139.22	-1.76
9	Godavari Gas Power Plant	474.70	475.70	1.00
10	Thermal Powertech Corporation	1707.23	1605.01	-102.22
11	Hinduja National Power Limited (HNPL)	0.00	7241.00	7241.00
12	Short term purchases	5264.29	3675.08	-1589.20
13	EPDCL purchases from SPDCL	5658.20	4268.46	-1389.74
14	CPDCL purchases from SPDCL	3043.27	2502.39	-540.88
15	Sale to other DISCOMs from SPDCL	-8701.48	-6770.86	1930.63
16	Total Despatch	74815.13	72928.88	-1886.25

Unexpected Slippages in Generation

- 114.** During some months, 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 licensees shall approach the Commission for remedial measures to meet the shortfall in energy from alternative sources.
- 115.** Further, the licensees shall not procure energy from Stations/Sources other than those approved in this order without the prior approval of the Commission. The Licensees are also directed not to procure energy over and above the quantum indicated against each Station/Source unless and otherwise approved by the Commission or ratified by it in case of unavoidable emergencies (The licensees should be able to satisfy the Commission about the nature of the emergency). However, the licensees are at liberty to purchase energy from the thermal stations listed in the merit order dispatch which have the least variable costs and are placed at the top in the merit order, over and above the approved quantities, which helps in the further reduction of the power purchase cost approved in this order. While operating intraday merit order despatch, the least cost source shall be despatched to the full extent in order to achieve lower power purchase cost at the end of the day. While backing down approved thermal stations intraday to accommodate short term purchases from the market, the technical limits for backing down of the units as specified in the IEGC shall be followed.
- 116.** Violation of the above directions of the Commission will be viewed very seriously and appropriate action will be initiated against the officers/persons responsible for the violation under the provisions of the Electricity Act, 2003, AP Electricity Reform Act, 1998, and Rules and Regulations made thereunder in accordance with the prescribed procedure.

Power Purchase Costs:

- 117.** The Commission has approved the costs as stated below:

Fixed Costs:

- a. For APGENCO's thermal stations, fixed costs are adopted in accordance with its tariff order dated 29.04.2019 in OP No.35 of 2018 for the 4th control period. For RTPP-IV, the fixed costs are adopted as per the Commission's order dated 31.12.2020.
- b. The CERC has approved tariffs for all the stations except Ramagundam Stage-III only for the control period for FY2014-19. Only for Ramagundam Stage – III, CERC has approved tariffs for the control period for FY2019-24. Therefore, in the absence of latest tariff orders for stations other than Ramagundam Stage-III, the

Commission finds it appropriate to adopt the tariffs as proposed by the DISCOMs subject however to true-up/true-down based on the fixation of tariff by the CERC for the control period for FY2019-24. In respect of Ramagundam Stage-III, the CERC order for FY2019-24 is taken as the basis for applying the tariff.

- c. For SDSTPS-I, APPDCL, vide O.P.No.53 of 2019 has filed an application for determination of tariff for the period from FY2019-20 to FY2023-24 before this Commission. Based on the said petition, APDISCOMs in their filings proposed a fixed cost of Rs.1781.19 Cr. Pending determination of the said claim, the Commission finds it appropriate to allow the said cost which shall be subject to the final determination of the fixed cost by the Commission.
- d. In respect of GGPP & Sembcorp (Thermal power tech), the fixed costs as proposed by the DISCOMs are considered, Since the Commission has limited the energy availability from this station up to the normative value only, the incentive proposed by the DISCOMs for availability/despatch from the station beyond the norm in the form of other costs is not permitted. However, the DISCOMs are permitted to pay the incentive amounts to the generator based on its performance as per the terms & conditions of PPA and claim the same in the True-up/down filings for the relevant quarters of FY2022-23.
- e. For, HNPCL an adhoc fixed cost at Rs.1.06 per unit as per the Commission's Order dated 14.06.2018 in E.P.No. 3 of 2018 in I.A.No. 211 of 2018 in Appeal No. 41 of 2018 is approved, being part of total adhoc rate of Rs.3.82 per unit

The fixed charges approved in this order are payable to the power plants provided, they achieve the normative availability/capacity index at the end of the year as specified in the relevant Regulations/orders. If any power plant fails to achieve the specified normative availability/capacity index, there shall be a pro-rata reduction of fixed charges. The DISCOMs shall place on their websites the details of cumulative availability/capacity index achieved by each generator up to the end of each month after the end of that month.

Variable costs:

- a. The variable costs per unit for all the thermal stations of APGenco and SDSTPS is adopted as approved in the Retail Supply tariff Order for FY2021-22.
- b. In respect of central thermal stations, Sembcorp and GGPP, the unit rates estimated for 2021-22 are adopted.
- c. In respect of the nuclear stations, the unit rates are adopted as per the notification of the department of atomic energy.

- d. The request of one of the objectors to direct the DISCOMs to adopt the tariffs in the PPAs for wind power projects deserves acceptance in view of the Hon'ble High Court Common Order dated 15.03.22 in W.A.Nos.383, 384, 388, 392, 393, 394, 396, 401, 423, 424, 433, 435, 436,440, 441, 443, 444, 445, 446, 447, 452, 463, 470 and 477 of 2019; 6, 70,75, 105, 110, 114, 138, 143, 156, 168, 172, 174, 175, 176, 190 and 191 of 2020; W.P.No.11461 of 2021 and W.A.Nos.880, 909, 910, 935 and 936 of 2021

The proposed escalation of 5 percent over and above the estimated per unit rates of variable costs for FY2021-22 by the DISCOMs is not being accepted by the Commission, which is consistent with the decision taken by the Commission in the earlier tariff orders, for the escalation proposals are not supported by justifiable reasons like notifications by the coal companies for the increase of coal prices, etc. However, at the same time, the DISCOMs are entitled to claim variations in fuel and power purchase costs in accordance with Regulation 4 of 2021 (second amendment to Regulation 4 of 2005) quarterly.

- 118.** As per the estimates of the Commission, the DISCOMs have to necessarily purchase energy from the exchanges/market during 8 months of the FY2022-23 and for such purchases, the Commission approves the ceiling rate at Rs.4.31 per unit which is the per unit weighted average power purchase price for FY2022-23 determined by the Commission in this order for three DISCOMs put together in accordance with Regulation 1 of 2022 on short term power procurement/sale regulation. **The DISCOMs are directed to meet the short-term requirements as per the provisions of Regulation 1 of 2022 (Regulation 1 of 2022).**

In this regard, it is relevant to mention here that certain difficulties in the implementation of Regulation 1 of 2022 were expressed by the DISCOMs through APSPDCL vide its Lr. No. CGM/Projects & IPC/GM/IPC/F.APERC/D.No.152/22, Dt.23/02/2022. The DISCOMs contention is that clause no. 9 of the Regulation 1 of 2022 imposes restrictions on them to procure power at over and above the benchmark/ceiling price which they are forced to do in Real Time or day ahead markets during certain time blocks to maintain uninterrupted supply in view of the commitment of GoAP to provide 24X7 power supply and also to address the energy forecasting errors in respect of the Renewable Energy generators. That clause 9 also mandates that backing down of the approved Thermal Plants is permitted only when the per unit landed price of the short-term power at AP State periphery is less than the marginal costs of the approved thermal stations in the merit order or there is a threat to Grid Security. That in practice, it is very difficult to comply with the above directions keeping in view several technical problems encountered in the real time operation of the grid.

In light of the above, the Commission addresses the issues raised by the DISCOMs hereunder.

Clause 9 of regulation 1 of 2022 is reproduced below:

“9. Criteria for ratification of short-term procurement/sales by the Commission

The short-term power procurement shall not result in backing down of cheaper power from thermal power plants approved in the Retail Supply Tariff Order in that year. However, backing down of the approved thermal power plants is permitted when the per unit landed price of short-term power at AP state periphery is less than the marginal cost of the approved thermal station(s) in the merit order or there is a threat to grid security. The purchase of short-term power in case its unit price exceeds ‘the benchmark price’ shall be justified by the licensees. Further, the sale of power shall not result in the imposition of load reliefs and additional financial burden on the DISCOMs. In addition to the above, the licensee shall strictly comply with the guidelines of MoP and regulations/directions of the Commission for short-term procurement/sales in all applicable cases.”

The Commission’s decision in the statement of reasons at page no 18, on “Benchmark Price for short-term power procurement” is reproduced below:

“Commission’s decision: *The intent of the Commission is to keep the overall power purchase cost to not exceed the power purchase cost approved in the particular year of tariff order and accordingly the definition of benchmark price is incorporated in the regulation. This benchmark price is not applicable time block-wise as apprehended by the DISCOMs but for purchases during the whole year. If the benchmark cost is fixed at less than the weighted average price of the energy determined by the Commission for that year from the approved sources in the Retail Supply Tariff Order as suggested by some stakeholders, it would put the licensees at a disadvantage and hence the Commission decided not to change the definition of benchmark price. However, it is included under the definitions in the final regulation instead of as a separate clause in the draft regulation.”*

The Commission’s decision on reserve shutdown in the statement of reasons is reproduced below

Commission’s decision: *The intent of the Commission is that the approved sources in the RST order of that year shall not be kept under reserve shutdown unless the licensees can conclusively demonstrate the savings due to such reserve shutdowns. In fact, the Commission directed the licensees to avail the opportunities in the real time market by purchasing energy from it when energy prices in the market are cheaper compared to that from the approved sources of RST order without violating merit order through a round the clock dedicated cell to save overall power purchase*

cost. Therefore, the intention of the clause is not to prevent the DISCOMs from exercising the commercial freedom to save power purchase costs when there is an opportunity. However, keeping the suggestions in view, Commission decided to modify the clause on reserve shutdown as stated below:”

From a plain reading of clause 9 of the regulation and the decisions on benchmark price & reserve shut down in the statement of reasons, it is amply clear that it is never the intention of the Commission to apply benchmark price for each time block. As regards the backing down/RSD of the approved sources, the true purport of the Regulation is that the approved thermal sources should not be backed down/kept in RSD merely under the pretext of savings unless the DISCOMs could demonstrate to the Commission that such backdowns/RSDs resulted in the savings of power purchase costs or there is a threat to the grid security. There is no basis to construe the Regulation implying that the Commission will apply benchmark price for each time block while ratifying the market purchases. Similarly, the Regulation has not curtailed the DISCOMs’ liberty to back down/RSD of the approved thermal sources so long as they could satisfy the Commission that such backdowns/RSDs are not intended to go for market purchases.

119. As regards the request of one of the objectors to direct the DISCOMs to implement the Letter of Credit (LC) mechanism in respect of the state-owned thermal generators to maintain sufficient coal stocks, the attention of the DISCOMs is invited to the revised coal stocking norms for coal based thermal power plants communicated by the Central Electricity Authority on 06.12.2021. The revised norms inter-alia include the following stipulations:

- Daily coal requirement for both Pithead and Non-Pithead plants would be estimated @85% PLF and number of days for which stock needs to be maintained would vary from 12 to 17 days for Pithead plants and 20 to 26 days for Non-Pithead plants, with month-wise variation based on coal despatch/coal consumption pattern during the year.
- Grading of a Generating Company will be done on monthly basis based on the performance of the Generating Company in maintaining Coal stock during the previous month as well as status of payment to coal companies. The recommendation by CEA/MoP for enhancing coal supply will be made according to grading of the Generating Company with defaulting Generating Company to be given least priority and Generating Company maintaining stocks and paying dues to be given highest priority in terms of rakes allotment and supply of coal.
- In the event that availability by any power plant is less than the Normative availability due to less coal stock maintained by the power plant, the power plant has to face disincentive in terms of reduction in fixed charges to the extent of shortfall in

Normative Availability and levy of additional factor due to reduced availability as penalty.

The non-maintenance of adequate coal stock by the State owned thermal power plants affects the generation and ultimately leads to shortages in supply. There were instances when the power had been purchased from the market at very high price because of inadequate coal stocks in the State owned thermal power plants. Thus, in the interest of DISCOMs & public at large, the norms issued by CEA on maintenance of coal stocks shall be followed by the thermal power plants, which require availability of adequate funds with the State owned power companies. **Therefore, keeping in view the fact that energy shortages are likely to be significant during FY2022-23 also, DISCOMs are directed to maintain LC mechanism for the power procured from the State-owned thermal power plants in accordance with the terms and conditions of the PPAs to enable the plants to maintain adequate coal stocks as per norms.**

- 120.** 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 are shown in the Annexures 09 A to 09 D and the summary of the same sources wise for FY2022-23 for three DISCOMs put together and for each DISCOM is given in the tables below:

Table 39: Approved: All DISCOMs- Power Purchase Cost

S. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	20544.39	2456.45	7220.37	9676.82	1.20	3.51	4.71
2	APGenco- Hydel	2844.07	563.33	0.00	563.33	1.98	0.00	1.98
3	Interstate- Hydel	487.91	64.77	0.00	64.77	1.33	0.00	1.33
4	APGENCO-TOTAL	23876.37	3084.55	7220.37	10304.92	1.29	3.02	4.32
5	CG Stations	9508.26	859.96	2643.66	3503.62	0.90	2.78	3.68
6	JNNSM Thermal (Bundled)	318.00	51.23	91.58	142.81	1.61	2.88	4.49
7	NCE	15090.24	0.00	7037.20	7037.20	0.00	4.66	4.66
8	APPDCL Stage-I	11139.22	1781.19	3497.71	5278.90	1.60	3.14	4.74
9	Godavari Gas Power Plant	475.70	25.00	118.12	143.12	0.53	2.48	3.01
10	Thermal Powertech Corporation	1605.01	270.36	360.65	631.01	1.68	2.25	3.93
11	Hinduja National Power Limited (HNPL)	7241.00	767.55	1998.52	2766.07	1.06	2.76	3.82
12	Short term purchases	3675.08	0.00	1580.28	1580.28	0.00	4.30	4.30
13	Sale to EPDCL	-4268.46	0.00	-1878.12	-1878.12	0.00	4.40	4.40
14	Sale to CPDCL	-2502.39	0.00	-1101.05	-1101.05	0.00	4.40	4.40
15	Purchase from SPDCL	6770.86	0.00	2979.18	2979.18	0.00	4.40	4.40
16	TOTAL	72928.88	6839.84	24548.09	31387.93	0.94	3.37	4.31

Table 40 : Approved: APSPDCL - Power Purchase Cost

S. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	7354.40	993.39	2564.88	3558.27	1.35	3.49	4.84
2	APGenco- Hydel	1150.14	227.81	0.00	227.81	1.98	0.00	1.98
3	Interstate- Hydel	197.31	26.19	0.00	26.19	1.33	0.00	1.33
4	APGENCO-TOTAL	8701.85	1247.39	2564.88	3812.27	1.43	2.95	4.38
5	CG Stations	3845.14	347.77	1069.10	1416.87	0.90	2.78	3.68
6	JNNSM Thermal (Bundled)	128.60	20.72	37.04	57.76	1.61	2.88	4.49
7	NCE	14689.33	0.00	6816.85	6816.85	0.00	4.64	4.64
8	APPDCL Stage-I	4504.70	720.31	1414.48	2134.79	1.60	3.14	4.74
9	Godavari Gas Power Plant	192.37	10.11	47.77	57.88	0.53	2.48	3.01
10	Thermal Powertech Corporation	649.07	109.33	145.85	255.18	1.68	2.25	3.93
11	Hinduja National Power Limited (HNPL)	2928.26	310.40	808.20	1118.60	1.06	2.76	3.82
12	Sale to EPDCL	-4268.46	0.00	-1878.12	-1878.12	0.00	4.40	4.40
13	Sale to CPDCL	-2502.39	0.00	-1101.05	-1101.05	0.00	4.40	4.40
14	TOTAL	28868.47	2766.03	9924.98	12691.01	0.96	3.44	4.40

Table 41: Approved: APEPDCL - Power Purchase Cost

S. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	8021.18	889.73	2831.13	3720.86	1.11	3.53	4.64
2	APGenco- Hydel	1030.12	204.04	0.00	204.04	1.98	0.00	1.98
3	Interstate- Hydel	176.72	23.46	0.00	23.46	1.33	0.00	1.33
4	APGENCO-TOTAL	9228.02	1117.23	2831.13	3948.36	1.21	3.07	4.28
5	CG Stations	3443.89	311.48	957.53	1269.01	0.90	2.78	3.68
6	JNNSM Thermal (Bundled)	115.18	18.56	33.17	51.73	1.61	2.88	4.49
7	NCE	197.52	0.00	109.97	109.97	0.00	5.57	5.57
8	APPDCL Stage-I	4034.62	645.15	1266.87	1912.02	1.60	3.14	4.74
9	Godavari Gas Power Plant	172.30	9.06	42.78	51.84	0.53	2.48	3.01
10	Thermal Powertech Corporation	581.33	97.92	130.63	228.55	1.68	2.25	3.93
11	Hinduja National Power Limited (HNPL)	2622.69	278.01	723.86	1001.87	1.06	2.76	3.82
12	Short term purchases	2306.81	0.00	991.93	991.93	0.00	4.30	4.30
13	Purchase from SPDCL	4268.46	0.00	1878.12	1878.12	0.00	4.40	4.40
14	TOTAL	26970.82	2477.41	8965.99	11443.40	0.92	3.32	4.24

Table 42: Approved: APCPDCL - Power Purchase Cost

S. No.	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)			Unit Cost (Rs. / kWh)		
			Fixed	Variable	Total	Fixed	Variable	Total
1	AP Genco-Thermal	5168.81	573.34	1824.37	2397.71	1.11	3.53	4.64
2	APGenco- Hydel	663.81	131.48	0.00	131.48	1.98	0.00	1.98
3	Interstate- Hydel	113.88	15.12	0.00	15.12	1.33	0.00	1.33
4	APGENCO-TOTAL	5946.50	719.94	1824.37	2544.31	1.21	3.07	4.28
5	CG Stations	2219.23	200.71	617.03	817.74	0.90	2.78	3.68
6	JNN SM Thermal (Bundled)	74.22	11.96	21.38	33.34	1.61	2.88	4.49
7	NCE	203.39	0.00	110.37	110.37	0.00	5.43	5.43
8	APPDCL Stage-I	2599.89	415.73	816.37	1232.10	1.60	3.14	4.74
9	Godavari Gas Power Plant	111.03	5.84	27.57	33.41	0.53	2.48	3.01
10	Thermal Powertech Corporation	374.61	63.10	84.17	147.27	1.68	2.25	3.93
11	Hinduja National Power Limited (HNPL)	1690.05	179.15	466.45	645.60	1.06	2.76	3.82
12	Short term purchases	1368.27	0.00	588.36	588.36	0.00	4.30	4.30
13	Purchase from SPDCL	2502.39	0.00	1101.05	1101.05	0.00	4.40	4.40
14	TOTAL	17089.58	1596.43	5657.12	7253.55	0.93	3.31	4.24

- 121.** The comparison of power purchase costs as filed and as approved by the Commission for the three DISCOMs is given in the table below:

Table 43: Filings Vs Approved - Power Purchase Cost for all DISCOMs

S. No.	Generating Station	Energy Despatch			Power Purchase Cost (Rs. Cr.)			Power Purchase Cost per unit (Rs./kWh)	
		Filing (3)	Appr (4)	Diff (5)=(4)-(3)	Filing (6)	Appr (7)	Diff (8)=(7)-(6)	Filing (9)	Appr (10)
1	APGENCO-Thermal	24602.81	20544.39	-4058.42	11689.90	9676.82	-2013.08	4.75	4.71
2	APGENCO-Hydel	2703.35	2844.07	140.73	563.33	563.33	0.00	2.08	1.98
3	Interstate-Hydel	415.96	487.91	71.96	64.77	64.77	0.00	1.56	1.33
4	APGENCO - TOTAL	27722.11	23876.37	-3845.74	12318.00	10304.92	-2013.08	4.44	4.32

S. No.	Generating Station	Energy Despatch			Power Purchase Cost (Rs. Cr.)			Power Purchase Cost per unit (Rs./kWh)	
5	CG Stations	13847.67	9508.26	-4339.41	5578.64	3503.62	-2075.02	4.03	3.68
6	JNNSM Thermal (Bundled)	294.42	318.00	23.58	142.79	142.81	0.02	4.85	4.49
7	NCE	14363.75	15090.24	726.49	4408.45	7037.20	2628.75	3.07	4.66
8	APPDCL Stage-I	11140.97	11139.21	-1.76	5454.38	5278.90	-175.48	4.90	4.74
9	Godavari Gas Power Plant	474.70	475.70	1130.31	153.64	143.12	-10.52	3.24	3.01
10	Thermal Powertech Corporation	1707.23	1605.01	-1231.53	717.09	631.01	-86.08	4.20	3.93
11	Hinduja National Power Limited (HNPL)	0.00	7241.00	7241.00	0.00	2766.07	2766.07	0.00	3.82
12	Short term purchases	5264.29	3675.09	-1589.20	2105.72	1580.28	-525.45	4.00	4.30
13	EPDCL purchases from SPDCL	5658.20	4268.46	-1389.74	1697.46	-1878.12	-3575.58	3.00	4.40
14	CPDCL purchases from SPDCL	3043.27	2502.39	-540.88	912.98	-1101.05	-2014.03	3.00	4.40
15	Sale to other DISCOMs from SPDCL	-8701.48	-6770.86	1930.63	-2610.44	2979.18	5589.62	3.00	4.40
16	Total Despatch	74815.13	72928.88	-1886.25	30878.71	31387.93	509.22	4.13	4.31

DISCOM to DISCOM Sales/Purchases

122. While mapping the respective energy requirements of the licensees to the share of energy available to them from all the stations merit order wise, it was observed that there will be a total shortfall of energy for EPDCL & CPDCL. This shortfall of energy is to be met from the surplus energy of SPDCL at power purchase prices as indicated in the tables above.

RPPO of the DISCOMs:

123. The Commission is yet to specify the RPPO targets for FY2022-23. Therefore, the Commission has examined the RPPO status of the DISCOMs for FY2022-23 as shown in the table below vis-a-vis the RPPO targets specified by the Commission for FY2021-22.

Table 44: RPPO compliance of the DISCOMs vis-à-vis the targets set for FY2021-22

S.No.	DISCOM	APSPDCL	APEPDCL	APCPDCL	Total for three DISCOMs
1	Sales (MU)	25937.53	24665.48	15226.55	65829.56
2	Hydel Energy (MU)	1347.45	1206.84	777.68	3331.97
3	Net sales for RPPO (MU)	24590.08	23458.64	14448.87	62497.59
4	RPPO @ 7% for solar (MU)	1721.31	1642.10	1011.42	4374.83
5	RPPO @ 10% for Non solar (MU)	2459.01	2345.86	1444.89	6249.76
6	Total RPPO (MU)	4180.31	3987.97	2456.31	10624.59
7	Solar energy procured (MU)	7125.61	14.14	39.49	7179.24
8	Non solar energy procured (MU)	7563.72	183.38	163.90	7911.00
9	Total RE procurement (MU)	14689.33	197.52	203.39	15090.24
10	Solar Surplus/deficit (MU)	5404.30	-1627.96	-971.93	2804.41
11	Non solar Surplus/deficit (MU)	5104.71	-2162.48	-1280.99	1661.24
12	Total surplus/Deficit (MU)	10509.02	-3790.45	-2252.92	4465.65
13	SPDCL power sale to other two DISCOMs (MU)		4268.46	2502.39	6770.86
14	RE sale by SPDCL to other two DISCOMs (MU) out of the total sales		3790.45	2252.92	6043.37

- 124.** As could be seen from the above table, the DISCOMs as a whole have surplus RPPO of 4,465 MU. The whole surplus pertains to APSPDCL as most of the RE plants have fallen in its area as a result of the allocations made by the GoAP on a geographical basis. As pointed out by one of the objectors, such disproportionate allocation is causing disparities between energy requirement and energy availability among the DISCOMs, particularly from Renewable Source power plants. In this regard, the Commission has been taking all possible measures not to cause any burden on the end consumers due to such disproportionate allocations by adjusting the conventional and renewable energy among the DISCOMs as shown in the table above. APSPDCL has not shown any income towards the sale of RECs during FY2021-22 and for FY2022-23 as the matter is subjudice. However, as suggested by one of the objectors, a number of avenues such as GTAM/GDAM and green real time markets are available to dispose of surplus renewable energy as shown above. **Therefore, the DISCOMs shall make the best possible efforts to sell the surplus renewable energy.**
- 125.** Lastly, the power purchase costs and energy availability/despatches projected by the Commission in this chapter are estimates only. The Commission is aware of the fact that actual values may differ from these projections. For some of the stations, the variations may be positive, and for others, they may be negative. The Commission has endeavored to minimize the effect of these variations on the projected purchase

costs/energy availability/despatches to the extent possible. The Commission will subsequently carry out the True-Ups/downs of these power purchase Costs as per the relevant Regulations.

- 126. To keep the Commission abreast on power purchase costs for FY2022-23, the DISCOMs are directed to furnish monthly energy and power purchase cost deviations station wise with reference to the approved energy dispatches and PP costs station wise in this order, after provisional finalization of the Power Purchase bills by the DISCOMs by the end of the succeeding month.**

CHAPTER - V

AGGREGATE REVENUE REQUIREMENT

Introduction

127. In this Chapter, the Commission determines the Aggregate Revenue Requirement (ARR) for FY2022-23 relating to retail supply business of APSPDCL, APEPDCL and APCPDCL based on their respective filings, as briefly stated in Chapter-I, approved sales volume and power purchase requirement as determined in Chapter-III and power purchase cost as determined in Chapter-IV and 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 of the State Advisory Committee.

Filings

128. The ARR projections of the DISCOMs, item wise, as per the filings are indicated below:

Transmission Cost

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

Table 45: Filing: Transmission Cost for FY2022-23

S. No.	Description	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	Demand, MW	5784.26	4755.00	3338.00	13877.28
2	Transmission Charge (Rs./kW/Month)	173.79	173.79	173.79	521.37
3	Transmission Cost (Cr) (1x2)	1206.30	991.65	696.13	2894.07

SLDC Cost

130. The DISCOMs utilize the services of the State Load Despatch Centre (SLDC) for scheduling power from various generating sources to their consumers for which they have to pay a) Annual operating charges and b) Annual fee. The SLDC Cost projected by the DISCOMs in the filings was stated to be as per the order of the Commission on

SLDC Annual Fees and Operating Charges for the 4th Control Period. These details are summarized in the table below.

Table 46: Filing: SLDC Cost for FY2022-23

S. No.	Description	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	Capacity, MW	15154	4562	2953	22669
2	SLDC Annual Fee (Rs./MW/Year)	4997.87	4997.87	4997.87	4997.87
3	SLDC Annual Fee (in Rs. Cr.)	7.58	2.28	1.47	11.33
4	SLDC Charges, (Rs./MW/month)	2150.21	2150.21	2150.21	2150.21
5	SLDC Charges (in Rs. Cr.)	39.11	11.77	7.62	58.5
6	Total SLDC Cost (in Rs. Cr.) (3+5)	46.67	14.05	9.09	69.83

Distribution Cost

- 131.** DISCOMs incur the distribution cost for the transfer of energy to the consumers through its network and also the Transco' network. The Distribution Cost projected by the DISCOMs in the filings was stated to be as per the order of the Commission on Wheeling Tariffs for Distribution business for the 4th Control Period. These details are summarized in the table below:

Table 47: Filing: Distribution Cost for FY2022-23

S. No.	Item	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	Capacity, MW				
(i)	33kV	654.09	924.00	378.39	1956.48
(ii)	11 kV	948.87	1204.00	548.91	2701.78
(iii)	LT	3417.21	2348.00	1976.82	7742.03
2	Distribution charges (Rs./MW/month)				
(i)	33kV	75.44	59.51	75.44	-
(ii)	11kV	514.76	467.43	514.76	-
(iii)	LT	766.95	797.29	766.95	-
3	Distribution Cost per annum in Rs. Cr.				
(i)	33kV	59.21	65.98	34.25	159.44
(ii)	11kV	586.13	675.34	339.07	1600.54
(iii)	LT	3144.98	2246.44	1819.35	7210.77
4	Total Distribution Cost (Rs. Cr.)	3790.31	2987.77	2192.67	8970.76

PGCIL and ULDC Cost

- 132.** The DISCOMs utilize the network of Power Grid Corporation of India (PGCIL) and services of Unified Load Despatch Centre (ULDC) for evacuating power from the Central Generating Stations (CGS) and one IPP to its consumers. The DISCOMs have stated that they estimated the costs for the same based on the latest rates approved by the CERC. The costs projected DISCOM wise and for all the three DISCOMs put together, are given in the table below:

Table 48: Filings: PGCIL and ULDC Charges

S. No.	Item	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	PGCIL Expenses (Cr.)	467.07	418.33	269.57	1154.97
2	ULDC Charges (Cr.)	2.49	2.23	1.44	6.16

Power Purchase Cost

- 133.** The power purchase costs arrived at by the DISCOMs based on the sales estimates for FY 2022-23 are summarized in the table below for each DISCOM and for all the three DISCOMs put together.:

Table 49: Filings: Power Purchase Cost for FY2022-23

S. No.	Item	SPDCL	EPDCL	CPDCL	TOTAL
1	Power Purchase Cost (Rs.Cr.)	12294.04	11387.34	7197.34	30878.72

Additional interest on pension bonds

- 134.** The DISCOMs have claimed additional interest on pension bonds as a separate item instead of as a part of the power purchase cost. SPDCL has shown it under the network costs, whereas EPDCL and CPDCL have shown it under supply costs while computing the ARR for FY2022-23. That the intention of the DISCOMs not to show it under the power purchase cost is to avoid skewing the actual power purchase costs. The additional interests on pension bonds claimed by each DISCOM and three DISCOMs together, are given in the table below:

Table 50 : Filing: Additional interest on pension bonds (Rs. Cr.)

S. No.	Item	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	Additional interest on pension bonds	399.43	357.74	230.53	987.70

Interest on Consumer Security Deposits (ICSD)

- 135.** As per the existing regulatory framework, DISCOMs need to pay the interest on security deposits held by them and such interest amount is a qualified expense item that can be included in the yearly ARR. The particulars of computation of Interests on Consumer Security Deposits as filed by each DISCOM and for the three DISCOMs put together, are given below:

Table 51: Filings: Interest Cost on Consumer Security Deposits for FY2022-23**(Rs. Cr.)**

S. No.	Particulars	SPDCL	EPDCL	CPDCL	TOTAL for three DISCOMs
1	Opening Balance	1768.18	2205.99	1218.29	5192.46
2	Additions during the Year	280.64	223.61	63.49	567.74
3	Deductions during the Year	210.68	56.72	37.45	304.85
4	Closing Balance (1+2-3)	1838.14	2372.88	1244.33	5455.35
5	Average Balance ((1+4)/2)	1803.16	2289.44	1231.31	5323.91
6	Interest @ % p.a.	5.25	5.25	4.25	4.92
7	Interest Cost (5x6)	94.67	120.20	52.33	267.20

Supply Margin on Retail Supply Business

- 136.** The DISCOMs have computed the supply margin at 2 percent on the equity earmarked for the Retail Supply Business which was stated to be as per the methodology in vogue. A summary of the supply margins claimed by the DISCOMs is shown below.

Table 52: Filing: Retail Supply margin for FY2022-23 (Rs. Cr.)

Particulars	SPDCL	EPDCL	CPDCL	TOTAL for three DISCOMs
Supply Margin Amount	39.37	24.42	22.72	86.51

Other Costs

- 137.** The DISCOMs have claimed other costs incurred for installation of solar pumpsets, Energy Efficient Pumpsets, grants to APSEEDCO, and costs towards maintaining a Reserve fund for paying compensation to the victims of electrical accidents as per Regulation 2 of 2017 etc. A summary of the other costs claimed by the three DISCOMs is given in the table below:

Table 53: Filings: Other Costs for FY2022-23 (Rs. Cr.)

S. No	Particulars	SPDCL	EPDCL	CPDCL	TOTAL for three DISCOMs
1	Agricultural Solar Pumpsets	19.35	37.84	0.00	57.19
2	Energy Efficient Pumpsets	31.26	18.51	0.00	49.77
3	Energy Efficient Grants	1.27	0.00	0.00	1.27
4	Compensation to the victims of electrical accidents	10.00	10.00	4.50	24.50
5	Grants to APSEEDCO	1.00	1.00	1.00	3.00
6	Financial impact on account of extension of timeline for payment of C.C.Bills due to Covid19 in FY2020-21	2.72	0.31	0.79	3.82
7	Interest subsidy under NEP for FY2016-17 & FY2017-18 (Received from REC, dt.11-06-21)	-57.26	0.00	0.00	-57.26
8	Safety expenses	0.00	0.00	0.46	0.46
9	Total	8.34	67.66	6.75	82.76

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

Table 54: Filings: ARR for FY2022-23 (Rs. Cr.)

S. No.	Item	SPDCL	EPDCL	CPDCL	TOTAL for three DISCOMs
1	Transmission Cost	1206.30	991.65	696.13	2894.07
2	SLDC Cost	46.67	14.05	9.10	69.82
3	Distribution Cost	3790.31	2987.77	2192.68	8970.76
4	PGCIL Expenses	467.07	418.33	269.57	1154.97
5	ULDC Charges	2.49	2.23	1.44	6.16
6	Network and SLDC Cost (1+2+3+4+5)	5512.84	4414.03	3168.91	13095.79
7	Power Purchase Cost	12294.04	11387.34	7197.34	30878.72
8	Interest on consumer security deposits	94.67	120.20	52.33	267.19
9	Supply Margin in Retail Supply Business	39.37	24.42	22.72	86.51
10	Other Costs	8.34	67.66	6.75	82.76
11	Additional Interest on Pension bonds as per APGENCO Order*	399.43	357.74	230.53	987.70
12	Supply Cost (7+8+9+10+11)	12835.85	11957.36	7509.67	32302.88
13	Aggregate Revenue Requirement (6+12)	18348.69	16371.39	10678.59	45398.67
* Additional Interest on Pension bonds shown under network cost by APSPDCL has been shown under supply cost					

139. VIEWS/OBJECTIONS/SUGGESTIONS

- A.** Sri M.Thimma Reddy has stated that network costs account for 26% of the ARR. That out of Rs. 6.97 per unit cost of service, Rs. 2.09 per unit will be spent on transmission and distribution works. That despite spending Rs. 11,000 crores every year on network strengthening, there is not much improvement in terms of quality of power received by the consumers of the State. Hence, the objector requested the Commission to review the expenditure pertaining to network strengthening. He also stated that the DISCOMs have become insensitive to the tragedy of deaths due to electrocution. The objector referred to the number of electrical accidents in the DISCOMs' purview and pointed out that despite DISCOMs' claim to comply with the Commission's directives, the ground realities are different. That the DISCOMs have not been providing timely compensation to the victims' families and not even one-fourth of the victims' families are receiving the compensation.

DISCOMs' Responses: That the transmission and distribution losses have decreased from approximately 30% during FY2000-01 to 11% during FY 2020-21. The losses have been coming down every year due to system expansion. That APDISCOMs are among the best companies in the country in the matter of reducing line losses and that they have taken several measures for reducing/preventing electrical accidents due to departmental lapses. The compensation amounts due towards electrical accidents are being paid regularly after verifying the required documents. That the directives of APERC are being complied with and necessary instructions in this regard were issued to the field. All the Regulations laid down by the CEA are being complied with at the field level.

- B.** Sri M. Venugopal Rao & 13 Others have requested the Commission to examine the irrational approach of imposing a part of energy efficiency costs on non-beneficiary consumers and stated that the Government, who initiated such measures, have to bear the costs as they are being implemented without the concurrence and willingness of the beneficiary consumers. They have also stated that there exists a substantial gap between the number of electrical accidents, both human and animal, fatal and non-fatal, and the number of cases for which DISCOMs have sanctioned compensation to the victims or their families. That DISCOMs have not clarified whether they have paid the sanctioned compensation or not and have not provided justification, if any, for such a large gap. They have also not explained whether the rate of electrical accidents is coming down or not and the measures being taken by them to prevent such accidents.

DISCOMs' Responses: That the energy conservation measures result in saving energy consumption which is ultimately reflected in sales. The savings due to energy conservation measures have been factored in the forecasts. That the compensation amounts are being paid to the victims of electrical accidents after verifying the required documents.

C. The FAPCCI and SICMA have suggested that compensation for electrical accidents should not be allowed as part of ARR, as such an approach promotes inefficiency. They have also stated that the DISCOMs have not mobilized grants to APSEEDCO as directed by the Commission. Hence, the objector requested the Commission to allow the DISCOMs, the expense for a grant only if they comply with the directions of the Commission in this regard. They also requested the Commission:

- i. to withhold any amount granted towards the installation of solar pumpsets and other energy efficiency measures in ARR until the DISCOMs submit a report demonstrating the actual benefits achieved through utilization of the fund.
- ii. to seek the details and rationale from the DISCOMs regarding the projections and allow the same after due prudence checks as the DISCOMs have not submitted any justification for the projected PGCIL charges.
- iii. to consider the interest of 4.25% as published in the RBI Bulletin December 2021, as the reference to arrive at the Interest on Security Deposit as APSPDCL and APEPDCL have computed their Interest on Security Deposit at the Interest rate of 5.25%.

DISCOMs' Response: That the reserve fund towards compensation for the victims of electrical accidents has been included in the ARR as per Regulation 2 of 2017. That the grants provided to APSEEDCO are the expenditure incurred by the DISCOMs and hence have been included in the ARR. That they have submitted regular periodical reports on the implementation of energy-efficient pump sets to the Commission. As regards the PGCIL and ULDC charges, they have stated that the details have been furnished in the ARR filings. Further, as regards the interest on consumer security deposits, they have stated that it was considered based on past trends.

D. Sri S. Pratap, APSEBAEEA has submitted that the meager cash reserves of DISCOMs are not being utilized effectively. Major equipment like transformers are being procured without any planning and are being kept idle for long periods due to the non-availability of matching materials to complete the works. That vendors are being paid after the supply of the material without the utilization of the same for long periods. Therefore, he requested the

Commission to look into the aforementioned issue as the depreciation of the asset is a hidden cost of ARR.

Commission's view, Analysis and Decision

140. Keeping in view the above objections and responses of the DISCOMs, the Commission has examined each item of ARR as explained below:

141. Transmission costs and SLDC costs: The DISCOMs' claim has been verified with the costs approved by the Commission in its MYT Order and found that the claims are in accordance with the Order and therefore, the same are approved in toto, as shown below:

Table 55: Approved: Transmission Cost and SLDC Cost for FY2022-23

S. No.	Item	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	Transmission Cost (Cr)	1206.30	991.65	696.13	2894.08
2	SLDC Cost (Rs. Cr.)	46.67	14.05	9.10	69.82

142. Distribution Costs: The DISCOMs' claim has been verified with the costs approved by the Commission in its MYT Order and found that the claims of APSPDCL and APEPDCL are in accordance with the said MYT Order and therefore, the same are approved in toto. However, APCPDCL has underclaimed Rs.8.65 as compared to its share in the approved amount for APSPDCL in the MYT Order. In order to protect the interest of APCPDCL, the error has been rectified as it may be due to an inadvertent mistake on the part of APCPDCL. Accordingly, the Distribution costs approved by the Commission are shown in the table below:

Table 56: Approved: Distribution Cost for FY2022-23

S. No.	Item	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	Capacity, MW				
(i)	33kV	654.09	924.00	379.91	1958.00
(ii)	11kV	948.87	1204.00	551.13	2704.00
(iii)	LT	3417.21	2348.00	1984.79	7750.00
2	Distribution charges (Rs./MW/month)				
(i)	33kV	75.44	59.51	75.44	-
(ii)	11kV	514.76	467.43	514.76	-
(iii)	LT	766.95	797.29	766.95	-
3	Distribution Cost per annum in Rs. Cr.				
(i)	33kV	59.21	65.98	34.39	159.59
(ii)	11kV	586.13	675.34	340.44	1601.91
(iii)	LT	3145.00	2246.44	1826.68	7218.12
4	Total Distribution Cost (Rs. Cr.)	3790.34	2987.77	2201.51	8979.62

- 143. PGCIL and ULDC Charge:** The DISCOMs have provided the computations of PGCIL charges in their filings and hence the contention of one the objectors that the details of PGCIL charges have not been provided by the DISCOMs, is not correct. The Commission has verified the actual PGCIL and ULDC charges paid by the DISCOMs during FY2020-21 and up to November 2021 during FY2021-22 which were obtained subsequently from the DISCOMs. Based on the actual amounts paid up to November 2021 during FY 2021-22, the Commission approves the PGCIL and ULDC charges as given below:

Table 57: Approved: PGCIL and ULDC Charges

S. No.	Item	SPDCL	EPDCL	CPDCL	Total for three DISCOMs
1	PGCIL Expenses (Cr.)	328.17	293.93	189.40	811.50
2	ULDC Charges (Cr.)	2.02	1.81	1.17	5.00

- 144. Power purchase Costs:** The Commission has approved the power purchase costs in Chapter IV of this order which are shown in the table below

Table 58: Power Purchase Cost for FY2022-23

Item	Power Purchase Cost (Rs. Cr)			
	SPDCL	EPDCL	CPDCL	TOTAL
Power purchase costs	12691.00	11443.39	7253.54	31387.93

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

Table 59: Approved: Retail Supply margin for FY2022-23 (Rs. Cr.)

	Particulars	SPDCL	EPDCL	CPDCL	TOTAL
1	RRB Approved for FY2022-23	7874.13	4883.94	4544.57	17302.64
2	Equity portion of RRB (%)	25%	25%	25%	25%
3	Underlying Equity (1x2)	1968.53	1220.99	1136.14	4325.66
4	Retail Supply Margin (%)	2%	2%	2%	2%
5	Retail Supply Margin (3X4)	39.37	24.42	22.72	86.51

- 146. Interest Cost on Consumer Security Deposits:** As per Clause 7.1 of APERC (Security Deposit Code) Regulation, 2004 (Regulation No. 6 of 2004), the licensees shall pay interest on the security deposit of a consumer at the bank rate notified by the Reserve Bank of India, provided that the Commission may specify a higher rate of interest from time to time by notification in the official gazette. Accordingly, the Commission has recomputed the ICSD amounts for three licensees for the FY2021-22 at the interest rate of 4.25% as published in the RBI Bulletin, January, 2022. By allowing 4.25% interest only, the Commission has addressed the issue raised by one of the objectors that APSPDCL and APEPDCL have claimed an interest rate of 5.25 percent. The approved interests on consumer security deposits along with computations are shown in the table below:

Table 60: Approved: Interest Cost on Consumer Security Deposits for FY2022-23
(Rs. Cr)

S. No.	Approved by APERC	SPDCL	EPDCL	CPDCL	TOTAL for three DISCOMs
1	Opening Balance	1981.76	2372.25	1250.71	5604.72
2	Additions during the Year	280.64	223.61	63.49	567.74
3	Deductions during the Year	210.68	56.72	37.45	304.85
4	Closing Balance (1+2-3)	2051.72	2539.14	1276.75	5867.61
5	Average Balance ((1+4)/2)	2016.74	2455.70	1263.73	5736.17
6	Interest @ % p.a.	4.25	4.25	4.25	4.25
7	Interest Cost (5x6)	85.71	104.37	53.71	243.79

- 147.** The Commission has finalised other costs as detailed below:

- Provision towards Installation of solar and energy efficient agricultural pump sets:** As per section 61 of the Electricity Act, 2003, the Commission shall be guided by the factors which would encourage competition, efficiency, economical use of the resources, good performance and optimum investments. Accordingly, the Commission had approved several energy conservation (EC) and energy efficiency (EE) projects targeting different categories of consumers, particularly the Domestic and Agricultural consumers after due public consultation. The DISCOMs have placed the material on the implementation of EC & ES programs on their websites and also furnished this information to the Commission regularly. On verification of the material, the Commission is satisfied that the DISCOMs have spent the sanctioned amounts on EC & ES measures as approved by the Commission. The approach on the part of the DISCOMs cannot be termed irrational as pointed out by some of the objectors, as savings on account of energy saving and energy efficiency measures would be passed on to all consumers which would reduce the ARR of the DISCOMs and that the

expenditure has been spent by the DISCOMs after due approval from the Commission. Further, as regards the request of one of the objectors on withholding the amounts granted towards the installation of solar pumpsets and other energy efficiency measures in the ARR, the Commission is of the view that as the DISCOMs have been regularly submitting the reports on EC & EE measures to the Commission, the objector's request cannot be accepted. It needs to be noted that APSPDCL is passing on Rs.58.53 Cr. to the consumers which it has received from REC as an interest subsidy and grant towards energy efficiency measures.

ii. **Grants to APSEEDCO:**

The provision of Rs.3 Cr grant to APSEEDCO in the ARR of the DISCOMs was made by this Commission pursuant to the request of the GoAP and acceptance of the DISCOMs for the same as explained at Paras 339 to 341 of Retail Supply Tariff Order for FY2019-20. Accordingly, the Commission has been allowing grants to APSEEDCO every financial year. One of the objectors pointed out that the DISCOMs are not releasing the grants to APSEEDCO and requested the Commission to allow that amount in the ARR only if the DISCOMs have complied with the directions of the Commission. In this regard, the CEO & MD of APSEEDCO vide letter vide Lr.No.CEO/SECM/F Name:Esst/D.No. 224 /2022, Dt: 31.01.2022, has informed the Commission that out of Rs.9 Cr. sanctioned by the Commission since FY2019-20, only Rs.3.25 Cr were released so far. He also requested the Commission to issue instructions to the DISCOMs to disburse the balance Rs.5.75 Cr to APSEEDCO, the lead Project Management Consultancy (PMC), to scale up the energy conservation and energy efficiency activities.

As the DISCOMs have not released Rs.5.75 Cr. already approved in the previous tariff orders, the Commission does not find any justification to allow fresh grant to the APSEEDCO. Instead, the Commission directs the DISCOMs to release Rs.1Cr. each from their respective arrears, within one month. The APSEEDCO shall not however spend this amount till the Commission gives appropriate directions regarding the manner in which the fund shall be spent. As soon as the funds are received, the CEO of APSEEDCO shall approach the Commission with suitable proposals for proper utilization of the funds.

- iii. **Provision towards Reserve fund:** After examining the actual amounts that are available (as per the details furnished by the DISCOMs) in the Reserve Funds of the licensees which are meant for payment of compensation to the victims of electrical accidents, the Commission approves amounts of Rs.11 Cr, Rs.4.5 Cr. and Rs.4 Cr. for APSPDCL, APEPDCL and APCPDCL respectively for maintaining the reserve fund at desired levels specified by the Commission. The Commission,

being considerate of the grievances of the victims/their families it receives, has been issuing directions to the licensees from time to time for payment of compensation as expeditiously as possible but not later than the period specified in the Regulation on compensation to the victims of electrical accidents. The Commission has been giving priority to the matter of the payment of compensation and will continue the practice of issuing directions to the DISCOMs to pay the compensation to the eligible persons expeditiously. One of the objector's allegation that the DISCOMs have not been providing timely compensation to the victims' families and not even one-fourth of the victims' families are receiving the compensation is not supported by any documentary evidence. On the points raised by some of the objectors that the DISCOMs have not explained whether the rate of electrical accidents is coming down or not and the measures being taken by them to prevent such accidents are not forthcoming, it may be noted that the Commission issued comprehensive directions to the DISCOMs in the RST order for FY2021-22 on prevention of electrical accidents and in compliance with the above directions, the DISCOMs have been furnishing periodical reports to the Commission in this regard. In this context, the DISCOMs are directed to place on their website the details of all the measures that are being taken by them to prevent electrical accidents, compensation paid and accident data in addition to submission of the above information to the Commission periodically, i.e., in quarterly intervals.

Accordingly, the Commission approves other costs as shown below:

Table 61: Approved: Other Costs for FY 2022-23 (Rs. Cr.)

S. No	Particulars	SPDCL	EPDCL	CPDCL	TOTAL
1	Agricultural Solar Pumpsets	19.35	37.84	0.00	57.19
2	Energy Efficient Pumpsets	31.26	18.51	0.00	49.77
3	Energy Efficient Grants	-1.27	0.00	0.00	-1.27
4	Compensation to the victims of electrical accidents	11.00	4.50	4.00	19.50
5	Financial impact on account of extension of timeline for payment of C.C.Bills due to Covid19 in FY2020-21	2.72	0.31	0.79	3.82
6	Interest subsidy under NEP for FY2016-17 & FY2017-18 (Received from REC, dt.11-06-21)	-57.26	0.00	0.00	-57.26
7	Safety expenses	0.00	0.00	0.46	0.46
8	Total	5.80	61.16	5.25	72.22

Power Purchase Cost Variations for FY2019-20 and FY2020-21

148. The APEPDCL and APSPDCL have filed True-up of their Retail Supply Business for FY2019-20 on 04.01.22 and 07.01.22 respectively. The Commission as discussed in the Chapter XIII (Volume-II) of this order, finalised the power purchase cost variations allowable for FY2019-20. Similarly, the True-up for Retail Supply Business for

FY2020-21 has been filed by all the three DISCOMs along with the ARR & FPT proposals but not shown in the ARR for FY2020-21. The Commission has also finalized the power purchase cost variation allowable for FY2020-21 as discussed in Chapter XIV (Volume II) of this order. The summary of the same is shown below to be factored in the ARR for FY2022-23.

Table 62 : Power Purchase Cost Variations for FY2019-20 and FY2020-21

Sl. No.	Item	APSPDCL	APEPDCL	APCPDCL	Total for three DISCOMs
1	True-up FY2019-20	887.19	451.92	512.04	1851.15
2	True down FY2020-21	-2239.45	-1685.25	-864.33	-4789.03
3	Provisional True down made in FY2021-22 RST Order	1370.00	1515.99	486.43	3372.42
4=(1)+(2)+(3)	Net Power Purchase Cost variations for two years	17.74	282.66	134.14	434.54

- 149.** Based on the above discussion, the Commission approves the ARR for FY2022-23 as shown in the table below:

Table 63: Approved: ARR for FY2022-23 (Rs. Cr.)

S. No.	Item	SPDCL	EPDCL	CPDCL	TOTAL
1	Transmission Cost	1206.30	991.65	696.13	2894.08
2	SLDC Cost	46.67	14.05	9.10	69.82
3	Distribution Cost	3790.34	2987.77	2201.51	8979.62
4	PGCIL Expenses	328.17	293.93	189.40	811.50
5	ULDC Charges	2.02	1.81	1.17	5.00
6	Network and SLDC Cost (1+2+3+4+5)	5373.50	4289.21	3097.31	12760.02
7	Power Purchase Cost	12691.00	11443.39	7253.54	31387.93
8	Interest on consumer security deposits	85.71	104.37	53.71	243.79
9	Supply Margin in Retail Supply Business	39.37	24.42	22.72	86.51
10	Other Costs	5.80	61.16	5.25	72.21
11	Additional Interest on Pension bonds of APGenco Order	399.43	357.74	230.53	987.70
12	Supply Cost (7+8+9+10+11)	13221.31	11991.08	7565.75	32778.14
13	Aggregate Revenue Requirement (6+12)	18594.81	16280.29	10663.06	45538.16
14	True-up FY2019-20	887.19	451.92	512.04	1851.15
15	True down FY2020-21	-2239.45	-1685.25	-864.33	-4789.03
16	Provisional True down made in FY2021-22 RST Order	1370	1515.99	486.43	3372.42
17	Net Power Purchase Cost variations for two years (14+15+16)	17.74	282.66	134.14	434.54
18	Gross ARR (13+17)	18612.55	16562.95	10797.20	45972.70

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

Table 64: Filing & Approved: ARR for FY2022-23 (Rs. Cr.)

S. No.	Item	Filing	Approved	Difference
1	Transmission Cost	2894.07	2894.07	0.00
2	SLDC Cost	69.82	69.82	0.00
3	Distribution Cost	8970.76	8979.62	8.86
4	PGCIL Expenses	1154.97	811.50	-343.47
5	ULDC Charges	6.16	5.00	-1.16
6	Network and SLDC Cost (1+2+3+4+5)	13095.78	12760.01	-335.77
7	Power Purchase Cost	30878.72	31387.93	509.21
8	Interest on consumer security deposits	267.19	243.79	-23.40
9	Supply Margin in Retail Supply Business	86.51	86.51	0.00
10	Other Costs	82.76	72.21	-10.55
11	Additional Interest on Pension bonds of APGenco Order	987.70	987.70	0.00
12	Supply Cost (7+8+9+10+11)	32302.88	32778.14	475.26
13	Aggregate Revenue Requirement (6+12)	45398.66	45538.15	139.49
14	FY2019-20	0.00	1851.15	1851.15
15	FY2020-21	0.00	-4789.03	-4789.03
16	Provisional True down made in FY2021-22 RST Order	0.00	3372.42	3372.42
17	Net Power Purchase Cost variations for two years (14+15+16)	0.00	434.54	434.54
18	Net ARR (13+17)	45398.66	45972.70	574.04

151. On one of the objector's suggestions that the Commission should look into the deficiencies in the planning of the DISCOMs in the matter of procurement of the transformers in advance and non-availability of the matching material to complete the works forcing the major equipment being kept idle for long periods, **the Commission directs the DISCOMs to take all possible steps to address such deficiencies in the planning and submit a comprehensive report to the Commission within three months.**

CHAPTER - VI

COST OF SERVICE

Introduction

- 152.** The Commission, in this chapter, has computed the indicative Cost of Service (CoS) for different- voltage levels for each licensee based on the ARR determined for FY2022-23 after considering the views/objections/suggestions of the stakeholders in this regard.

DISCOMs' Filings

- 153.** In accordance with the Commission's methodology for estimating the Cost of Service for the last three years, the DISCOMs have estimated the Cost of Service at different voltages as given below:

Table 65: Filings – Cost of Service for FY2022-23 (Rs. / Unit)

Sl. No	Particulars	SPDCL	EPDCL	CPDCL	STATE
1	For LT Level	7.19	6.79	7.09	7.03
2	For 11kV Level	6.87	6.52	6.84	6.71
3	For 33 kV Level	6.64	6.32	6.62	6.52
4	For 132 kV Level and above	6.43	6.15	6.41	6.30
5	Average cost of service (ACoS) of the Company	6.97	6.58	6.98	6.82

Objections/suggestions/views

- 154.** The FAPCCI and SICMA stated that Section 61(g) of the Electricity Act, 2003 requires tariff to ultimately reflect the cost of supply of electricity and National Tariff Policy requires tariff to be within plus or minus 20% of the average cost of supply. The objectors suggested to the Commission that the average cost of supply figures be juxtaposed, with the actual tariff fixed by the Commission in order to transparently show the extent of cross subsidy added to the tariff.

Commission's view, analysis, and Decision

- 155.** As regards the objection of FAPCCI and SICMA, it may be noted that the cost of service determined in this chapter is only indicative. The tariffs are to be within plus/minus 20% of the average cost of supply of the utility as per the National Tariff Policy. In this regard, the tariff shall be construed as the average billing rate per unit which is the ratio of total revenue to total sales estimated to the category concerned. This average billing rate per unit will vary year on year primarily due to changes in load factor which

depends on the consumption during the year. The consumption during the year again depends on a number of economic factors such as the Covid-19 pandemic in the last two years. Hence, it will not serve any purpose to juxtapose the average cost of supply category wise to the actual tariff. However, the Commission is making available category wise sales and revenue with full details in a separate annexure of the tariff order since FY2021 as a transparency measure.

156. As no specific formula is specified in any statutory provision or executive instructions of any regulator in the country, the Commission has been computing a common average cost of service for all the categories of consumers at each voltage level and for the licensee as a whole for FY2022-23 as was done in the earlier years which are indicative and which broadly reflect the tariffs over the average cost of service of the total company.

157. The computation of cost of service is done as detailed below:

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

Table 66: Approved Energy Sales for FY2022-23 (MU)

Particulars	APSPDCL	APEPDCL	APCPDCL	STATE
Sales at LT Level	16,645.00	14,426.78	11,095.00	42,166.78
Sales at 11kV Level	1,408.32	2,312.45	1,518.07	5,238.83
Sales at 33 kV Level	2,448.16	2,376.39	1,804.64	6,629.18
Sales at 132 kV	5,436.06	5,549.87	808.84	11,794.76
Total Sales	25,937.54	24,665.48	15,226.54	65,829.55

Table 67 : Approved T&D Losses for FY2022-23

Particulars	APSPDCL	APEPDCL	APCPDCL	STATE
AT & C Loss for LT Sales	12.84%	10.92%	12.38%	12.07%
AT & C Loss for 11 kV Sales	9.05%	8.22%	9.05%	8.69%
AT & C Loss for 33 kV Sales	6.12%	5.84%	6.12%	6.02%
AT & C Loss for 132 kV Sales and above	3.17%	3.17%	3.17%	3.17%

Table 68: Power Purchase Requirement (PPR) at different Voltage levels for FY2022-23 (MU)

Particulars	APSPDCL	APEPDCL	APCPDCL	STATE
PPR for LT Level	19,098.13	16,195.74	12,662.77	47,956.64
PPR for 11kV Level	1,548.49	2,519.68	1,669.16	5,737.34
PPR for 33 kV Level	2,607.85	2,523.84	1,922.35	7,054.04
PPR 132 kV Level and above	5,614.02	5,731.56	835.32	12,180.90
Total PPR	28,868.49	26,970.82	17,089.60	72,928.91

- B. The ARR determined vide Chapter-V for the year FY2022-23 is apportioned in proportion to the power purchase requirement at each voltage level to the total power purchase requirement at all voltage levels to arrive at the ARR at that voltage level. The ARR costs allocated at different voltage levels in the above manner are as shown in the table below:

Table 69: ARR allocations at different voltage levels for FY2022-23 (Rs. Cr.)

Particulars	APSPDCL	APEPDCL	APCPDCL	STATE
ARR for LT consumers	12313.25	9945.91	8000.33	30259.49
ARR for 11 kV Consumers	998.37	1547.35	1054.58	3600.30
ARR 33 kV consumers	1681.37	1549.91	1214.54	4445.82
ARR for 132 kV Level and above	3619.56	3519.78	527.75	7667.10
Total ARR	18612.55	16562.95	10797.20	45972.70

- 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 FY2022-23, is shown in the Table below:

Table 70: Approved: Cost of Service for FY2022-23 (Rs. Unit)

Particulars	APSPDCL	APEPDCL	APCPDCL	For the three DISCOMs
CoS for LT consumers	7.40	6.89	7.21	7.18
CoS for 11 kV consumers	7.09	6.69	6.95	6.87
CoS for 33kV consumers	6.87	6.52	6.73	6.71
CoS for 132kV & above consumers	6.66	6.34	6.52	6.50
Average cost of service (ACoS)	7.18	6.72	7.09	6.98

- 158.** A comparison of the Cost of Services (CoS) filed by the DISCOMs and that determined by the Commission is given in the Table below:

Table 71: Cost of Service: Filing and Approved for FY2022-23 (Rs. Unit)

Particulars	APSPDCL		APEPDCL		APCPDCL		STATE	
	Filings	Apprd	Filings	Apprd	Filings	Apprd	Filings	Apprd
CoS for LT consumers	7.19	7.40	6.79	6.89	7.09	7.21	7.03	7.18
CoS for 11 kV consumers	6.87	7.09	6.52	6.69	6.84	6.95	6.71	6.87
CoS for 33kV consumers	6.64	6.87	6.32	6.52	6.62	6.73	6.52	6.71
CoS for 132kV & above consumers	6.43	6.66	6.15	6.34	6.41	6.52	6.30	6.50
Average cost of service (ACoS)	6.97	7.18	6.58	6.72	6.98	7.09	6.82	6.98

Average Billing Rate/Average Cost of service

- 159.** The ratio of Average Billing Rate (ABR) at each voltage level and Average Cost of Supply (ACoS) of the licensee as computed by this Commission for the FY2022-23 are shown in the Table below:

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

Particulars	ABR Approved for FY2022-23			ACOS			ABR/ACOS (%)		
	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL
For LT Level	3.42	4.60	4.66	7.18	6.72	7.09	47.67%	68.49%	65.77%
For 11kV Level	9.90	9.37	9.43	7.18	6.72	7.09	137.89%	139.52%	132.94%
For 33 kV Level	8.07	7.72	7.67	7.18	6.72	7.09	112.49%	114.90%	108.09%
For 132 kV Level and above	7.53	6.22	7.18	7.18	6.72	7.09	104.97%	92.60%	101.28%
Average for the licensee	5.07	5.71	5.63	7.18	6.72	7.09	70.69%	85.05%	79.37%

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

- 160.** Further as can be seen from the above table, the tariffs for the 33 kV and 132 kV voltage and above level consumers are within 120 percent of ACOS of the Licensee. The ABRs for 11 kV Consumers is beyond 120 percent of COS of the licensees primarily due to low load factors and the higher revenue contribution from commercial consumers whose number and revenue at 33 kV and 132 kV and above voltage levels are negligible compared to the total consumers and revenue at those voltage levels.
- 161.** In view of the Hon’ble APTEL’s direction in judgment dated 18.02.22 in Appeal No.248 of 2018 to determine separate tariffs for 132 kV and 220 kV category consumers, the Commission has obtained from APTranco the breakup of total loss percentage of APTranco network for FY 2020-21 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 voltages levels as described below:
- Allocated the total transmission system losses to LT, 11kV, 33kV and (132 kV and above as a whole) based on their sales at each voltage level.
 - By deducting the losses contributed by LT, 11kV, 33kV from total transmission losses, the (The 132 kV and above) losses have been arrived at.
 - (The 132 kV and above) losses are apportioned among 132 kV, 220kV, and 400 kV levels as per the loss percentages communicated by the APTransco for FY2020-21.

- iv. The power purchase requirements (PPR) at 132 kV and 220kV levels have been arrived at by adding applicable losses.
- v. The total ARR of (132 kV and above) system has been apportioned between 132 kV and 220 kV proportionately based on their PPR.
- vi. Based on the energy sales and the apportioned ARR at the respective voltage levels, the Cost of Service (CoS) per unit has been arrived at for 132 kV and 220 kV.

The COS and details of the Computations are shown below:

Table No.73: COS computations of 132 kV and 220 kV voltage level consumers

S. No.	Particulars		132 kV Level	220 kV Level
1	Sales approved (MU)	APSPDCL	3283.93	2152.14
		APEPDCL	3752.48	1797.39
		APCPDCL	808.84	0.00
2	PPR Estimated based on losses furnished by the APTransco for FY2020-21 (MU)	APSPDCL	3475.73	2261.10
		APEPDCL	3944.86	1906.68
		APCPDCL	835.32	0.00
3	ARR allocation based on estimated PPR (Cr.)	APSPDCL	2192.96	1426.61
		APEPDCL	2372.89	1146.90
		APCPDCL	527.75	0.00
4	Indicative COS (per unit)	APSPDCL	6.68	6.63
		APEPDCL	6.32	6.38
		APCPDCL	6.52	6.52

As can be seen from the above, there is an insignificant difference in COS between 132 kV and 220 kV voltage levels.

CHAPTER – VII

REVENUE AND REVENUE GAP

Introduction

162. The Commission in this chapter has computed the revenue gap for FY2022-23 based on the revised sales, ARR, and total revenue from all the sources and also the subsidy adjustments resulting from the true-ups of distribution business for the 3rd Control Period and retail supply businesses for FY2019-20 and FY2020-21. The revenue primarily comes to DISCOMs through a) tariff income (energy, fixed/demand, minimum, and customer charges); b) non-tariff income (delayed payment surcharge, recoveries from theft of power or other malpractices, interest on income, and other miscellaneous receipts), c) levy of Cross Subsidy and Additional Surcharges on Open Access consumers.

Revenue from Tariffs and Other Sources

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

164. The DISCOMs have computed/estimated the revenue (consumption charges and non-tariff income), by revising the tariffs to certain categories of consumers and on sale of 66529.89 MU of energy estimated/forecasted by them. The details of revenue including non-tariff income filed by them category wise are shown at Annexure-10 A to 10 C and summary of the same is given in the table below:

Table 74: Filings: Summary of Sales and Revenue estimated by the DISCOMs for FY2022-23

Consumer Category		Sales in MU				Revenue in Rs. Cr.			
LT-Supply		SPDCL	EPDCL	CPDCL	STATE	SPDCL	EPDCL	CPDCL	STATE
I	Domestic – LT	5748.45	7536.31	5997.81	19282.56	2522.74	3046.49	2521.33	8090.56
II	Commercial & Other -LT	964.27	1266.59	989.46	3220.32	1045.99	1313.71	1022.78	3382.48
III	Industry – LT	599.34	512.60	551.84	1663.78	559.63	402.26	457.31	1419.21
IV	Institutional -LT	782.93	424.31	321.04	1528.28	644.74	443.30	251.49	1339.53
V	Agricultural & Related – LT	8947.89	4909.22	3315.04	17172.15	409.85	872.59	574.10	1856.53
	(i) Non-Corporate Farmers	8153.19	2781.60	2159.02	13093.80	41.14	9.74	69.85	120.72
	(ii) Others	794.70	2127.62	1156.02	4078.34	368.71	862.85	504.25	1735.81
LT-Total		17042.88	14649.03	11175.19	42867.10	5182.95	6078.34	4827.02	16088.31

Consumer Category		Sales in MU				Revenue in Rs. Cr.			
HT-Supply									
I	Domestic -HT	19.23	39.98	13.00	72.21	15.47	29.47	10.35	55.28
II	Commercial & Other -HT	370.73	853.55	377.53	1601.81	434.61	941.21	433.58	1809.40
III	Industry – HT	5827.65	8136.95	3215.68	17180.27	4493.76	5496.02	2524.87	12514.65
IV	Institutional – HT	759.25	976.04	426.23	2161.62	651.14	724.41	333.35	1708.89
V	Agricultural & Related-HT	2315.69	232.18	99.10	2646.96	1789.09	223.52	67.60	2080.22
HT-Total		9292.54	10238.70	4131.54	23662.79	7384.07	7414.62	3369.74	18168.44
Total		26335.41	24887.73	15306.73	66529.89	12567.02	13492.97	8196.76	34256.75

- 165.** The summary of revenue requirement and revenue gap estimated by the DISCOMs for FY2022-23 as per the filings is given in the table below:

Table 75: Filings: Summary of Revenue Requirement and Revenue Gap estimated by DISCOMs for FY2022-23 (Rs. Cr.)

S.No.	Item	SPDCL	CPDCL	EPDCL	For three DISCOMs
1	ARR	18348.69	10678.59	16371.39	45398.67
2	Revenue from Current Tariffs	11473.52	7805.69	13100.55	32379.76
3	Non-Tariff Income	1093.50	391.07	392.42	1876.99
4	Revenue from CSS	118.08	29.95	60.90	208.93
5	Revenue from RECs	0.00	0.00	0.0	0.00
6=(2)+(3)+(4)+(5)	Total Revenue	12685.10	8226.71	13553.87	34465.68
7= (1)-(6)	Revenue Gap at present Tariffs	5663.59	2451.88	2817.53	10932.99
8	Addl. Revenue from Proposed category/Tariff modifications	318.78	239.20	329.40	887.38
9	Addl. Revenue as per Go.Rt.No.161, dt.15-11-2021	5344.81	2212.68	2488.13	10045.61
9=(7)-(8+9)	Net Revenue Gap at proposed Tariffs	0.00	0.00	0.00	0.00

Views/Objections/Suggestions

- 166.** Sri M. Thimma Reddy has stated that the DISCOMs in compliance with G. O. Rt. No. 161 dated 15-11-2021 proposed the energy charges without taking the government subsidy into account and showed a revenue gap of Rs.11,081.02.

DISCOMs' Response: That for FY 2022-23, they have submitted tariff proposals at full cost recovery tariff rates as per G.O.Rt. No.161, dated 15-11-2021. The revenue gap is Zero.

- 167.** Sri M.Venugopal Rao and 13 others have stated that for FY2022-23, SPDCL has not estimated any income from the sale of RECs. Based on market trends, it has to show

the estimated income from the sale of RECs. He also stated that the DISCOMs cannot presume and take into account in advance what the Commission is going to determine for the FY 2022-23 and project revenue gap as “nil,” without considering the subsidy the Government wants to provide to consumers of its choice

- 168.** The FAPCCI and SICMA have stated that the non-tariff income to the tune of Rs.1,876.99 crores estimated by the DISCOMs for FY2022-23 has not been reduced from the ARR which seems to be an inadvertent error. That despite Andhra Pradesh being an RE-rich State, the DISCOMs have neither registered any income from the sale of RECs in FY 2020-21 nor projected any income for FY 2022-23. That the ARR estimates by the DISCOMs do not provide any subsidy receivable from the State Government towards subsidised power supply. Therefore, they requested the Commission to examine the same and re-adjust subsidy based on actual consumption levels, as done by KERC, UPERC in this regard.

DISCOMs’ Response: That they have taken non-tariff income into account while projecting the revenue gap as shown in Form 9 of Formats. The APSPDCL has stated that due to Court cases, the sale of RE Certificates pertaining to FY2018-19 is held up and the matter is subjudice. Further, for FY2019-20 and FY2020-21, necessary information towards getting RE Certificates was not furnished to the Commission. The same is now being processed. As regards the subsidy, the DISCOMs have stated that they have filed the tariff proposals based on full cost tariff recovery as per G.O.Rt.No.116, dated 15-11-2021, and providing subsidies to various categories of consumers is under the purview of the GoAP.

- 169.** Sri S. Pratap, APSEBAEEA has stated that the lion’s share of receivables of the DISCOMs is from the Government and non-receipt of these amounts in time is increasing the working capital loans of the DISCOMs and thus their costs and hence requested the Commission to exclude all categories of consumers other than agriculture from the list of consumers who will receive tariff subsidy from the government as was done prior to FY21-22 or allow financing costs of such working capital loans.

DISCOMs’ Response: That the matter is under the purview of the Commission.

Commission’s View, Analysis and Decision:

- 170.** 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. The Commission accordingly determines tariffs in this order. As suggested by one of the objectors, the Commission is adjusting the government subsidies determined in

the true-ups for retail supply businesses for FY2019-20, FY2020-21 and Distribution business for 3rd Control Period in Chapter XIII, Chapter XIV and chapter XV of this order (Volume-II) from the revenue gap. The revenue from the RECs is uncertain in view of the court case and hence the Commission is not inclined to consider any income from the sale of RECs. However, if any income is earned by the DISCOM from the sale of RECs after resolution of the dispute by court, the Commission shall adjust the same at the time of true-up.

- 171.** Accordingly, after considering all the objections, the DISCOMs' replies, and based on the approved sales volume for the three DISCOMs, the Commission has computed the revenue at the tariffs approved by it in this order. The non-tariff income and the income from cross-subsidy surcharge as filed by the DISCOMs are accepted. The revenue estimated by the Commission including non-tariff income at the tariffs approved in this order for FY2022-23 is shown in Annexure -11 and the summary of the same is given below:

Table 76: Sales and Revenue computed by the Commission for FY2022-23

Consumer Category		Sales (in MU)				Revenue (in Rs. Cr.)			
LT-Supply		SPDCL	EPDCL	CPDCL	STATE	SPDCL	EPDCL	CPDCL	STATE
I	Domestic – LT	5748.45	7536.31	5997.81	19282.57	3044.07	3649.30	2880.46	9573.83
II	Commercial & Other -LT	964.28	1266.59	989.46	3220.33	1039.32	1300.88	1008.87	3349.07
III	Industry – LT	599.34	512.60	551.83	1663.77	559.59	431.79	461.10	1452.48
IV	Institutional - LT	782.93	424.30	321.04	1528.27	644.83	443.52	251.63	1339.98
V	Agricultural & Related – LT	8550.01	4686.97	3234.89	16471.86	405.51	809.78	572.17	1787.46
	(i) Non-Corporate Farmers	7755.31	2715.35	2078.85	12549.51	41.13	9.74	69.85	120.72
	(ii) Others	794.70	1971.62	1156.04	3922.36	364.37	800.04	502.32	1666.73
LT-Total		16645.01	14426.78	11095.03	42166.81	5693.31	6635.27	5174.23	17502.81
I	Domestic -HT	19.23	39.98	12.99	72.20	15.47	29.47	10.34	55.28
II	Commercial & Other -HT	370.73	853.55	377.53	1601.81	434.62	940.78	433.58	1808.98
III	Industry – HT	5827.63	8136.94	3215.67	17180.23	4574.10	5532.81	2550.28	12657.19
IV	Institutional – HT	759.25	976.05	426.23	2161.53	651.17	724.39	333.35	1708.91
V	Agricultural & Related -HT	2315.69	232.19	99.10	2646.98	1789.11	223.50	67.61	2080.23
HT-Total		9292.53	10238.70	4131.52	23662.75	7464.46	7450.96	3395.18	18310.59
Total		25937.54	24665.48	15226.54	65829.55	13157.77	14086.23	8569.41	35813.41

- 172.** 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 obtained the data relating to them up to DEC 21 which is shown below:

Table 77 : Statement of Government Schemes

Sl. No.	GO No/ Date	Name of the Scheme	Demand in Cr upto Dec 21			
			SPDCL	EPDCL	CPDCL	STATE
1	136/10-10-18 & 70/ 03-07-19	Aquaculture Farmers Subsidy	130.72	361.71	221.53	713.96
2	39/ 14-03-18	Free Power to Rural Horticulture	0.02	0.11	0.02	0.15
3	15/ 06-02-19	Free Power to Saloon shops	0.35	0.08	0.00	0.43
4	291/ 25-09-18	Free Power Weeker Communities upto 100 units (Handloom Weavers)	0.00	0.51	0.00	0.51
5	24/ 15-02-19	Free Power Weeker Communities upto 150 units (Laundries run by BPL Rajaka community)	0.02	0.03	0.00	0.05
6	24/ 15-02-19	Free Power Weeker Communities upto 100 units (Professional Gold smith belongs to BPL category)	0.01	0.02	0.00	0.03
7	24/ 15-02-19	Free Power Weeker Communities upto 100 units to households of BPL - MBC communities	0.01	0.02	0.00	0.03
8	128/29-11-19	Role Gold Covering industry, Machilipatnam (reducing the unit rate to Rs.3.75)	-	-	0.59	0.59
9	91/24.07.2019	Others if any (Scheduled cast 0-200 units)	130.49	116.05	141.10	387.63
10	94/25.07.2019	Others if any (Scheduled Tribe 0-200 units)	24.66	37.72	20.68	83.06
11	Power looms Subsidy (50% concession on energy Charges)		4.78	0.02	0.00	4.80
12	Total		291.06	516.27	383.92	1191.25

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

Particulars	APSPDCL	APEPDCL	APCPDCL	STATE
Concessions extended to various categories of consumers, Estimated subsidy amounts for FY2022-23 (Cr.)	388.08	688.36	511.89	1588.33

- 173.** The Commission has determined the true-up of retail supply business for FY2019-20 and FY2020-21 in Chapter XIII and Chapter XIV respectively and the true-up of Distribution business for 3rd CP in Chapter XV of this order (Volume-II). The subsidy amounts computed in the said chapters are adjusted as follows since the GoAP is expected to meet the total revenue gap as the same primarily relates to all the subsidised sections.

S.No.	Item	CPDCL	EPDCL	SPDCL	Total for all DISCOMs
1	Agl subsidy to be returned to GoAP by the DISCOMs as per True-up of PP cost for FY20 & FY21	263.43	80.75	933.00	1277.18
2	Agl subsidy to be received from the GoAP by the DISCOMs as per Distribution True-up for 3rd CP (Cr.)	217.74	80.57	768.22	1066.53
3= (1)-(2)	Net subsidy to be returned to the GoAP by the DISCOMs (Cr.)	45.69	0.18	164.78	210.65

- 174.** Further, an amount of Rs.204.82 Cr. which was determined by the Commission in its Order dated 27.01.2022 in OP No. 32 of 2020 is to be adjusted from the true-up amount of APEPDCL's retail supply business for FY2019-20 as explained in chapter XIII of this order.
- 175.** Based on the above discussion, the ARR, revenue, and revenue gap computed by the Commission for each licensee for FY2022-23 are shown in the table below:

Table 78: Approved: Summary of ARR, Revenue Requirement and Revenue**Gap determined for FY2022-23 (Rs. Cr.)**

S. No.	ARR Item	SPDCL	EPDCL	CPDCL	For three DISCOMs
1	Aggregate Revenue Requirement	18612.55	16562.95	10797.20	45972.70
2	Income from Tariffs	12060.98	13693.81	8178.34	33933.12
3	Non-tariff Income (NTI)	1096.80	392.42	391.07	1880.29
4	Income from Cross Subsidy Surcharge (CSS)	118.08	60.90	29.95	208.93
5	Total Revenue (2+3+4)	13275.86	14147.13	8599.36	36022.35
6	Revenue Gap (1-5)	5336.69	2415.82	2197.84	9950.36
7	Concessions extended to various categories of consumers	388.08	688.36	511.89	1588.33
8	Agl subsidy to be adjusted for FY2019-20 in respect of APEPDCL	0.00	-204.82	0.00	-204.82
9	Net subsidy from Distribution business and Retail Supply Business forego FY2019-20 & FY2020-21 to be adjusted	-164.78	-0.18	-45.69	-210.65
10	Total Revenue Gap for FY2022-23 =(6)+(7)+(8)+(9)	5559.99	2899.18	2664.04	11123.21

- 176.** To sum up, the revenue gap as filed by the DISCOMs and as determined by the Commission are shown in the table below.

Table 79: Filings Vs Approved: Revenue gap for FY2022-23 (Rs. Cr)

S. No.	Items	SPDCL	EPDCL	CPDCL	STATE
1	Revenue gap as filed by the DISCOMs at proposed tariffs	5344.81	2488.13	2212.68	10045.62
2	Revenue gap as determined by the Commission	5559.99	2899.18	2664.04	11123.21
3	Difference (1-2)	-215.18	-411.05	-451.36	-1077.59

- 177.** The revenue gap arrived at by the Commission has been exceeded over the filings due to consideration of NCE tariffs as per PPAs in view of Hon'ble High Court Judgement dated 15-03-2022 and also taking into consideration of concessions extended to various classes of consumers by the GoAP u/s 65 which have not been considered by the DISCOMs in their filings while arriving at Revenue Gap.

CHAPTER- VIII

REFERENCE TARIFF SCHEDULE

Introduction

- 178.** The Commission in this Chapter, after examination of the tariff proposals submitted by the licensees for FY2022-23, 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, has prepared 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 FY2022-23.
- 179.** The licensees proposed to continue with the same 5 main categories as approved by the Commission for FY2021-22.
- 180.** However, the licensees have proposed change in tariff for certain categories of consumers. The tariff changes proposed by the licensees, the views/objections/suggestions on the proposals, and the Commission's decisions thereon are detailed hereunder.

Tariff proposals

Category-I Domestic LT

- 181.** The DISCOMs have proposed the groups and slabs for domestic consumers as given below:

Fixed charges of Rs.10 per kW as was approved for FY 2021-22.

Energy charges from 01.04.2022 to 31.07.2022 as approved in the RST order for FY2021-22 are as shown in the table below:

Low Tension	Energy Charges (Rs./Unit)
I(A): Domestic -LT	
Group A: Consumption ≤ 75 Units during the billing month	
0-50	1.45
51-75	2.60
Group B: Consumption > 75 and ≤ 225 units during the billing month	
0-50	2.60
51-100	2.60
101-200	3.60

Low Tension	Energy Charges (Rs./Unit)
I(A): Domestic -LT	
201-225	6.90
Group C: Consumption > 225 units during the billing month	
0-50	2.65
51-100	3.35
101-200	5.40
201-300	7.10
301-400	7.95
401-500	8.50
Above 500 units	9.95

Energy charges from 01.08.2022 to 31.03.2023 as shown in the table below:

Low Tension	Energy Charges (Rs./Unit)
I(A): Domestic -LT	
Group A: Consumption \leq 75 Units during the billing month	
0-30	1.45
31-75	2.80
Group B: Consumption > 75 units during the billing month	
0-100	4.00
101-200	5.00
201-300	7.00
above 300	7.50

Category-II Commercial and others

- 182.** The DISCOMs proposed to merge minor and major sub-groups under LT supply. The existing and proposed tariffs for FY2022-23 are given in the table below:

LT	Existing tariff (Rs per kW or Rs per unit)			Proposed Tariff (Rs per kW or Rs per unit)		
II	COMMERCIAL & OTHERS			COMMERCIAL & OTHERS		
	(A): Commercial	Fixed charges	Energy charges	(A): Commercial	Fixed charges	Energy charges
	(i) Minor 0-50 Units	55/kW	5.40	0-50 Units	75/kW	5.40
	(ii) Major 0-50	75/kW	6.90			

Category IV-Institutional

183. The DISCOMs proposed to merge minor and major sub-groups under LT supply. The existing and proposed tariffs for FY 2022-23 are given in the table below

LT	Existing tariff (Rs per kW or Rs per unit)			Proposed Tariff (Rs per kW or Rs per unit)		
IV	INSTITUTIONAL			INSTITUTIONAL		
	(C): Religious Places	Fixed charges	Energy charges	(C): Religious Places	Fixed charges	Energy charges
	(i) ≤ 2 kW	30/kW	4.80	(C): Religious Places	30/kW	5.00
	(ii) > 2 kW	30/kW	5.00			

ToD slot changes for HT-Industrial Consumers:

184. The DISCOMs have proposed modifications to the Time of Day (ToD) slots and incentives/penalties over normal base tariffs during the proposed ToD slots stated to be based on the existing Industrial load patterns across different voltages, the trend of exchange Prices during high demand season & low demand season. They further stated that these proposals have been made for encouraging industrial consumption (HT Industry General) during day time to match surplus solar power/power available at lower market prices during the daytime, and for slightly discouraging consumption during peak time slots. The existing and proposed modifications to ToD slots and tariffs are given below:

Existing:

ToD-Slot	Nature	April'21 to March '22 (incentive/penalty over the base tariff, Rs. per unit)
06-10	Peak	1.00
10-18	Normal	-
18-22	Peak	1.00
22-06	Off-Peak	-1.00

Proposed:

ToD-Slot	Nature	February-May (High Grid Demand)	June-August (Low Grid Demand)	Sept-Oct (High Grid Demand)	Nov-Jan (Low Grid Demand)
		(incentive/penalty over base tariff, Rs. per unit)			
06-10	Peak	2.00	1.00	2.00	1.00
10-15	Off-peak	-0.50	-0.50	-0.50	-0.50
15-18	Normal	0.00	0.00	0.00	0.00
18-22	Peak	2.00	1.00	2.00	1.00
22-24	Normal	0.00	0.00	0.00	0.00
24-06	Off-Peak	-0.50	-0.50	-0.50	-0.50

Other Proposals:**185.** Restricting bulk consumers from accessing RTM:

The DISCOMs have submitted proposals to restrict the bulk consumers to purchase power in the real time market. In support of their proposal, they stated that bulk consumers can purchase power at a very short advance period /lead time of just 6 time blocks (before 1 hour 30 Minutes) in the real time market. That the Distribution Companies are furnishing the drawal schedules on a day ahead basis and the State Load Dispatch Centre (SLDC) is confirming the drawal schedules based on the Load Generation Balance Report (LGBR) for the next day by the evening of the current day. That the Distribution Companies are purchasing/selling the necessary shortfall/surplus quantum of power through power exchanges, time block wise for the next day as communicated by APSLDC. That the RTM is being utilized by the DISCOMs for meeting any intraday shortfall of power that may arise on account of deviations in scheduled energy, Renewable Energy intermittencies, weather changes affecting wind generation, real time Load Variations, etc. RTM is being used as a balancing resource since there are a lot of restrictions on incidental over drawal from ISTS. That the proposed CERC DSM regulation discourages under-drawal by the DISCOMs providing zero compensation for such under-drawals forcing the DISCOMs to stick to their drawl schedules without any deviations. That if bulk consumers

access RTM, it interferes with the drawl schedules of the DISCOMs. By the time market obligation sheets on RTM are notified, the DISCOMs lose the opportunity to change their drawl schedules and they could be forced to underdraw from ISTS during the periods of procurement of power by Bulk Consumers in RTM thereby causing financial loss to the DISCOMs.

Grid Support Charges:

186. The DISCOMs have proposed to collect grid support charges as described below:

“Persons operating Captive Power Plants (CPPs)/**Co-Generation Plants** in parallel with A.P. Grid have to pay ‘Grid Support Charges’ on the difference between the capacity of CPP/**Co-Generation Plant** in kVA and the contracted Maximum Demand in kVA with Licensee and all other sources of supply, at a rate equal to 50% of the prevailing demand charge for HT Consumers. In case of CPPs/**Co-Generation Plants** exporting firm power to APTransco, the capacity, which is dedicated to such export, will also be additionally subtracted from the CPP/**Co-Generation Plant** capacity.”

They submitted that though the Commission had incorporated applicability of grid support charges in the RST orders from FY2002-03 to FY2008-09, no income had been estimated from FY2003-04 onwards in view of stay on the issue granted by Hon’ble High Court and final order of Hon’ble High court was against the collection of grid support charges by the DISCOMs. That on DISCOMs’ appeal, the Hon’ble Supreme Court vide judgment dated 29.11.2019 set aside the Hon’ble High court’s order and that therefore, they now proposed to collect grid support charges from the applicable consumers as described above. They have also stated that cogeneration plants are specifically included in the applicability as there is pending litigation from cogeneration plants on the definition of CPP.

The DISCOMs further proposed that the levy of Grid support charges needs to be reckoned from FY2009-10 onwards on similar lines reckoned by Hon’ble Commission while re-determining Cross Subsidy Surcharge for the period from FY2005-06 to FY2012-13 and FY2015-16 vide order dated 16-11-2016 in O.P.Nos. 16 of 2005, 13 of 2006, 5 of 2007, 73 of 2012, 74 of 2012, 75 of 2012, 76 of 2012, 77 of 2012, and 8 of 2015 pursuant to the Hon’ble APTEL and the Hon’ble Supreme Court’s judgments.

Modification in Voltage Surcharge Conditions

187. APCPDCL has requested the Commission to specify the voltage surcharge to be levied on the consumers having Contracted Maximum Demand (CMD) from 1500 kVA to 2500 kVA at 11 kV level and CMD from 5001 kVA to 10000 kVA at 33 kV level by modifying the existing applicability as shown in the table below (**proposals are indicated in bold italic letters**).

Sl. No.	Contracted Demand with Licensee	Voltage at which supply should be availed	Voltage at which consumer is availing supply	Extra Rates in % over the normal rates	
		(in kV)	(in kV)	Demand Charges	Energy Charges
(A) HT consumers availing supply through common feeders:					
1	Up to 1500 kVA	11	-	-	-
2	1501 kVA to 2500 kVA	(i) 11 kV subject to technical feasibility	-	-	-
		(ii) 33 kV (if there is no feasibility)	11	Request to include rates in the tariff Order	
3	2501 K VA to 5000 KVA	33	11	12%	10%
4	5001 KVA to 10000 KVA	(i) 33 kV subject to technical feasibility	11	12%	10%
		(ii) 132 kV (if there is no feasibility)	33	Request to include rates in the tariff Order	
5	Above 10000 kVA	132	33 or below	12%	10%
(B) HT consumers availing supply through independent feeders:					
1	Up to 3000 kVA	11 or 33	-	-	-
2	3001 kVA to 5000 kVA	33	11	12%	10%
3	5001 kVA to 20000 kVA	33 or above			
4	Above 20000 kVA	132 or 220	33	12%	10%

They suggested two times the normal voltage surcharge after three months, three times after six months and ten times after one year on both Demand and Energy charges when the contracted load exceeds the load specified by the Commission at the applicable voltage level.

Objections/Suggestions/Views on the DISCOMs tariff proposals

188. The main submissions of A.P. Ferro Alloys Producers' Association, inter alia, are:

- i. That for instance, the CoS at 132 KV level is Rs 6.43 and the same at 33 KV level is Rs.6.64 in respect of APSPDCL, the difference is only 21 paise. Whereas the tariff for 33 kV consumers is 43 paise higher than the tariff at 132 kV voltage implying a higher cross subsidy imposed on 33 KV consumers which is against natural justice and an anomaly. Therefore, the tariff for 33 kV consumers needs to be reduced to commensurate with the difference in CoS between 33 kV and 132 kV consumers to make the 33 kV consumers competitive.

DISCOMs' Response: That they have not proposed any tariff hike to the energy intensive industries and the tariff for ferroalloys is less than the cost of service and also no fixed/demand charges are applicable to them. Hence, the request of the ferroalloy Industry for further reduction in tariff is not justified.

- ii. That the penal interest needs to be reduced from the existing 18% per annum for the delayed payments in view of financial difficulties of certain consumers. This would provide some relief to the already burdened entities in the present pandemic situation.

DISCOMs' Response: That the intention of DISCOMs is not to earn revenue through Interest on delayed payments but to inculcate discipline in the consumers for timely payment which would, in turn, help the DISCOMs in making prompt payments to the generators. The DISCOMs are actually at a loss, as the payments are being made to the generators through loans before the realization of the revenue from the delayed payments with surcharges. That in fact, due to the delays in the receipt of payments from certain consumers, the DISCOMs, in turn, are not able to pay the Generators in time and are ending up paying to the Generators a surcharge varying from @ 15% to 18% for the delayed payments. The Delayed Payment Surcharge (DPS) is being collected as specified by the Commission in the relevant Regulations. That in view of the above, the request of the objector is not justified.

- iii. That to allow Bank Guarantee (BG) towards Consumption Deposit instead of the Cash Deposit, as it would help the industry in managing the working capital better.
- iv. **DISCOMs' Response:** As per clause 4.5 of Regulation 06 of 2004, the amount payable towards consumption deposit shall be in the form of cash/demand draft (DD).

189. Dr. K. Somi Reddy & Sri K.G.Anand have stated that poultry hatchery falls under agriculture, as there is no new process or manufacturing activity in the hatchery except converting eggs into chicks. The present tariff for poultry hatcheries is too high and unviable to sustain. The higher power tariff along with Time of Day (TOD) charges

during certain time slots as proposed by the DISCOMs will have a cascading effect on the final price of the end product. Hence, they requested the Commission to reduce the tariff on par with the tariff applicable to poultry farms (Rs.3.85 per unit for both LT and HT connections), and also exempt poultry hatcheries from the levy of TOD charges.

DISCOMs' Response: Hatcheries are engaged in the activity of hatching eggs to produce baby chicks which comes under industrial activity. The hatcheries are being billed in the industrial category as per the RST order FY2021-22. Further, they have not proposed any tariff hike for Industries. That the reasons for proposing ToD charges are clearly explained in the filings. Modification of the tariff is under the purview of the Commission.

- 190.** Mytrah Energy (India) Pvt. Ltd. has stated that the tariff for start-up power was changed from Rs.5.68/unit to Rs.11.77/unit for FY2018-19 and further to an inequitable tariff of Rs.12.25/unit from FY2019-20. Start-up power tariff @Rs.12.25 is creating an additional burden on the generators. That the import charges (start-up operations, maintenance, and lighting) are to be paid at HT Industry tariffs, as per the terms and conditions of PPA. Therefore, they requested the Commission to consider the start-up power on par with HT Industry General category instead of charging Rs.12.25 per unit or allow the net energy export billing or allow them to claim the difference between Rs.12.25 per unit and the charges per unit towards import of energy as per the terms of the PPAs from DISCOMs under the change in the law clause.

DISCOMs' Response: The tariff for export of power by the generators is as per the tariff agreed to in the power purchase agreements whereas the tariff for drawal of power from APTransco/ APDISCOMs' grid by the generators is as per the Tariff Orders of the APERC irrespective of the conditions in the PPAs in this regard. Other aspects are under the purview of the APERC.

- 191.** Sri B.N.PRABHAKAR has requested the Commission to consider the demand recorded in the meters as the contracted load for billing of LT consumers similar to the HT category. The Commission may also consider imposing penal rates for exceeding the contracted load, automatic increase of contracted load, and levy of differential development charges by the DISCOM based on the demand recorded in the meters of LT consumers.

DISCOMs' Response: The DISCOMs while welcoming the suggestion, have stated that as per clause 12.3.3.1 of GTCS, one month's notice shall be given to regularize the additional connected load or part of additional load as per the requirement of the consumer or to remove the additional connected load. That if the consumer desires to continue with the additional connected load, he shall pay the required service line charges, development charges, and consumption deposit. That if the consumer opts

to remove the additional connected load and if the additional load is found connected during the subsequent inspection, penal provisions shall be invoked. That intensive raids are being conducted by DPE and Operation wings for identifying the additional connected loads.

- 192.** Nava Bharat Ventures Limited & KCP sugars have stated that co-gen plants run in parallel with the grid. As soon as the power plant trips, the plants have an interlocking facility to immediately trip the sugar plant process equipment. Hence, there will not be any process load on the grid. The process operations will be restarted once the cogen starts power generation. That during the cogen power plant outage, they draw power from the grid to run auxiliaries only, which constitute 10% of installed cogen capacity, for which they are already paying consumption charges, i.e., Demand, Energy & TOD Charges to the DISCOMs as per Commission's tariff orders issued from time to time. They also stated that states such as Karnataka, Maharashtra, etc. are not imposing this type of charge. That cogeneration sugar plants are seasonal in nature and only run for around 120 days in a year and will be kept under shutdown during the balance period. That only 5 out of 32 sugar plants are in operation in the State and the remaining were permanently closed due to severe financial crisis. The imposition of the grid support charges will worsen the situation further and the sugar industry will not be able to survive. Further, they stated that the DISCOMs' proposal for collecting the grid support charges from co-generating plants from Mar'02 to Mar'09 and also from Apr '09 onwards is unfair, unjust, and contrary to the provisions of the law. Therefore, they requested the Commission to reject the illogical proposal of DISCOMs to impose Grid support Charges on cogeneration sugar plants to save the agro-based industry.

DISCOMs' Response: The co-generation plants are captive in nature and excess power, if any, is pumped into the grid for sale to DISCOMs or Market. They run in parallel with the grid. That their proposal to restore grid support charges on CPPs/co-generation running in parallel with the grid is pursuant to the Hon'ble Supreme Court's Order dated 29-11-2019. That their proposal for levy of grid support charges retrospectively from FY2002 to FY2009 and onwards is fair, just, and legitimate.

- 193.** Hindustan National Glass & Inds. Ltd have stated that glass manufacturing units need to maintain constant load throughout the day and shifting of the energy consumption from one time slab to another is not possible due to the criticality of its operations. The proposed differential ToD tariff for HT III (A) Industry General will be an additional cost to such industries. The objective of the DISCOMs to incentivize industrial consumption during the daytime by implementing differential ToD tariffs will not benefit the industries that have a constant load. They also stated that glass manufacturing units' load factor is more than 70 percent thus contributing to a stable grid. Hence, they may be categorized as energy intensive industries.

DISCOMs' Response: The ToD tariff is proposed keeping in view the exchange prices during high and low demand seasons and the need to incentivize consumption during daytime. The reduction of incentives during the off-peak period is compensated by the incentives provided during the daytime. The increase in ToD tariff during the peak period in the high demand season is essential to recover increased cost incidence. Hence, their proposal for ToD tariff modification is justified. As regards the request of the objector to categorise the glass manufacturing industry as energy intensive, they stated that as per the recommendations of the experts' committee which was constituted as per the directions of the APERC, the following conditions shall be met by the industries to be categorised as energy intensive industries.

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

Hence, the consumer was informed by the DISCOMs to represent them separately in this regard with the relevant details for consideration.

- 194.** Sri M.Thimma Reddy stated that the DISCOMs' proposal to affect a new tariff for domestic consumers from 01-08-2022 lacks rationale.

DISCOMs' Response: The new tariff which will be effective from 01-08-2022 is intended to reduce the burden on the consumers due to their higher consumption from April to July.

- 195.** Sri Surya Prakash Rao's main submissions are:

- i. That** Tariff for the lowest slab should be fixed at 50% of the Average Cost of Supply (COS) and the rates in other slabs should be within 80% to 120% of the CoS, in order to reduce the cross-subsidization burden on other categories of consumers. He also suggested that sub-categorization of domestic consumers should be done on a socio-economic basis, i.e., poor (0-30 units), lower middle class (31 to 100 units), upper middle class (101-200 units), Upper class (> 200 units). Further, he suggested that the lower middle class may be charged 80% of COS, upper middle class at COS, and Upper class at 120% of COS. Accordingly, assuming CoS of Rs 7.0 per unit, he suggested the tariffs for different slabs of domestic consumption under the telescopic method as shown below:

0- 30 units	Rs.3.50 (3.50)/unit
31- 100 units.....	Rs.5.60 (5.00)/unit
101-200 units.....	Rs.7.00 (6.00)/unit
201- 300 units	Rs.8.40 (6.80)/unit
301- 500 units.....	Rs.8.40 (7.45)/unit

DISCOMs' Response: The suggestion of the objector on tariffs for Domestic category that were proposed in accordance with National Tariff Policy 2016 will be examined.

- ii. **That** the proposal of 6 time slots in a day, 4 seasonal periods in a year, and a 100% increase in tariff during peak slots during 'high demand' seasons, is unwarranted for industry in general, especially when sufficient energy is available from the existing PPAs. That a big hike in TOD tariff will be detrimental to the subsidizing consumers who are already being charged high tariffs with substantial Cross Subsidy content.
- iii. **That** Co-generation plants are essentially CPPs and hence they attract the provisions relevant to normal CPPs. However, the National Electricity Policy (NEP) provides for the promotion of Co-generation from Renewable Energy Sources in the overall interest of energy efficiency and grid stability. That SERCs are also required to promote arrangements for the purchase of surplus power from such sources, especially from sugar Co-generation plants (para 5.12.3 of NEP). Sugar Factories in composite AP have optimised their Co-generation Capacities pursuant to the promotional policies of State/Central Governments to export surplus power to meet power shortages in the Grid. Accordingly, a decision on Grid support charges may be taken by the Commission.

DISCOMs' Response: The DISCOMs have stated that cogeneration plants are essentially captive power plants and hence attract provisions relevant to normal captive power plants and accordingly the proposed Grid supporting charges are applicable to cogeneration power plants.

- iv. **That** some DISCOMs are levying Voltage Surcharge even if a consumer exceeds the CMD by 1KVA. Hence, he requested the Commission to make appropriate changes to para 6.2 of Terms and conditions of HT supply, so as to avoid possible hardship to the HT consumers availing supply at threshold CMDs.

DISCOMs' Response: The DISCOMs have stated that the voltage surcharge is being levied as per the terms of the relevant tariff orders and GTCS. There is no ambiguity between the levy of Differential Voltage Surcharge and Penal Demand Charges. These two components are separate and are levied separately as preventive and control measures to protect the equipment of DISCOM such as lines, transformers, and feeders. That in Clause Nos 12.3.1 & 12.3.2 of GTCS, there is a clear mention of the levy of Voltage Surcharges and Penalties when RMD exceeds the CMD. As such, there is no misinterpretation of paras 6.2 and 6.6 of the Tariff Order.

- v. That the Commission should reject the request of the DISCOMs to direct SLDC not to issue NOCs to Bulk Consumers to access RTM for their power requirements since one of the main objectives of the Act is to promote competition in supply, reduction of costs to consumers, and promote market development u/s 66 of the Act.

DISCOMs' Response: The rationale behind DISCOMs' proposal to restrict the bulk consumers from accessing the Real Time market has already been stated in ARR filings and for the reasons stated therein, the DISCOMs proposal deserves to be allowed.

196. Sri M.Venugopal Rao and 13 others have made the following main submissions:

- i. That the proposed hike in tariff for domestic consumers is tricky and abnormal as given below:

Group	Units consumed	Bill under		Tariff hike (%)
		Old tariff	New tariff	
A	75	137.50	169.50	23.27%
B	100	260	400	53.85%
C	200	620	900	45.16%

DISCOMs' Response: The proposed tariff rates under LT Domestic category are very low when compared with the Cost of Service of LT supply. The tariff rates for LT Group-A domestic category are very much less when compared with that of other States. That the proposed domestic tariffs are less than that of Maharashtra and Karnataka. That the charges are reasonable and justified.

- ii. **That** if tariffs have to be increased, they can be applied across all the categories of consumers proportionately. In the present situation of adverse economic conditions compounded by the Covid-19 pandemic, the tariff hike would be unbearable. Providing additional subsidies by the government to avoid the proposed tariff hikes by the DISCOMs should be considered.

DISCOMs' Response: The economy is picking up and has bounced back to normal post 2nd wave of the Covid pandemic. That the economic damage has been less than that of the first wave last year. That the GDP is also expected to increase by 8 % in the year 2022. Providing additional subsidy is under the purview of the GoAP.

- iii. That** the DISCOMs have proposed that the hike will take effect from 01-08-2022. The burden of the hike can be reduced if the same is spread proportionately on all categories of consumers and implemented from 01-04-2022 limiting the overall impact of Rs.887.38 crores in respect of all DISCOMs, in case the Govt. of A.P is not willing to provide the additional subsidy.

DISCOMs' Response: The tariff rates have been proposed with effect from 01-08-2022 in order to reduce the burden on the consumers. That no tariff hike is proposed in the slab 0-30 units in order to alleviate the burden on below the poverty line consumers.

- iv.** That the DISCOMs have shown different costs of service at different voltage levels but have shown full cost tariffs different from the cost of service. If costs of service at different levels of voltage are not 'full cost recovery energy charges' then the basis for working out full cost recovery energy charges is not shown.

DISCOMs' Response: The basis for the divergence of full Cost recovery tariffs in respect of domestic category in different DISCOMs is due to the variation in sales mix and cost structure among different DISCOMs. Full Cost recovery tariff represents the tariff for subsidized consumers required to make the entire revenue gap as "Nil".

- v.** That big hike in TOD tariff will be detrimental to the subsidizing consumers who are already charged high tariffs with substantial Cross Subsidy content.

DISCOMs' Response: The rationale for the levy of the ToD tariff is already explained in the filings.

- vi.** That the Commission may consider the request of the DISCOMs to issue directions to the SLDC not to issue NOCs to the bulk consumers to access power in the RTM. That if the Hon'ble Commission considers that it is not possible to issue such directions to the SLDC, an alternative mechanism needs to be worked out and implemented for enabling the DISCOMs to recover the avoidable additional burdens they have to bear on account of bulk consumers accessing power in the RTM.

DISCOMs' Response: They welcome the observations, remarks, and support of the Ld. Objector in this regard.

- vii.** That co-generation plants along with captive power plants should be brought within the ambit of the definition of plants operating parallel with the A.P. grid by modifying the definition accordingly to avoid misinterpretation of certain co-generation plants. That the proposal of the DISCOMs to levy grid support charges to be reckoned from the financial year 2009-10 onwards, pursuant to the

judgments of APTEL and the Supreme Court, needs to be considered by the Commission.

DISCOMs' Response: They welcome the observations, remarks, and support of the Ld. Objector in this regard.

- viii.** That under directive No.19, the Commission has made it clear that “the determined rates for “Category I (A): Domestic-LT (EPDCL) & “Category V: Agriculture & Others-LT” consumers, for all the three DISCOMs, are contingent on payment of subsidy as agreed to by the GoAP, failing which, the rates contained in the full cost recovery tariff schedule (Chapter-IX of the RST order for FY 202122) will be operative.” Hence, he sought the action of the DISCOMs on the aforementioned directive of the Commission.

DISCOMs' Response: They are receiving tariff subsidy amounts regularly from the Govt. of A.P for the current financial year 2021-22.

197. The main submission of the FAPCCI and SICMA:

- i. That state government ought to provide 100% subsidy as per the provisions of the tariff policy to be complied with by the DISCOMs and the State Government. That the DISCOMs had not provided any estimation of the subsidy receivable from the State Government.

DISCOMs' Response: They have filed the tariff proposals based on full cost tariff recovery as per G.O.Rt.No.116, dt.15-11-2020. Providing subsidies to various categories of consumers is under the purview of Govt. of A.P and APERC.

- ii. That the DISCOMs had relied on proposed CERC (Deviation Settlement Mechanism and other related matters) Regulations 2021 in their proposals regarding accessing the RTM market. That the proposal is devoid of merits as the regulations along with CERC (Ancillary Services) Regulations 2021 are under a draft stage and yet to be notified by the Hon'ble Central Commission. Therefore, such a proposal is hasty and not admissible till the notification of the final regulations. They also stated that the concept of intra-state gate closure aligned with the RTM market was introduced by the Commission, wherein the intrastate entities may be required to give the final schedule 1 to 2 time blocks prior to the opening of the RTM market.

DISCOMs' Response: The response of the DISCOMs is the same as provided to other objectors on this aspect.

- iii. That the proposed ToD Structure represents an indirect tariff hike of 4.30% for Industrial category consumers and is to be disallowed.

DISCOMs' Response: TOD charges are intended to bring in Grid Discipline in the usage of power during the peak load period and also flatten the load curve. This also avoids the purchase of power if any, at a higher rate for that shorter period to meet the demand which in turn increases power purchase cost and is a burden on the consumers. They have worked out the season (High Grid Demand/Low Grid Demand) based ToD system with a view to incentivize Industrial Consumption during Daytime which coincides with cheaper power availability from different sources and to cover General Shift industrial consumers also. That this proposal is expected to increase Industrial Consumption without burdening the sectorial Consumers. These ToD time slots and incentives /disincentives are worked out based on the existing Industrial Load pattern (excluding Energy-Intensive) across different Voltages and the trend of Exchange Prices during the high demand season & low demand season. The proposal is also to encourage industrial consumption during the daytime of surplus solar power availability/lower market prices and to slightly discourage consumption during peak time slots.

- iv. That the lack of load factor incentive would lead to the mass migration of the HT Consumers towards Open Access on account of the considerably high rate of current demand charges for HT Industrial Consumers, which are Rs.475/kVA/month of Billing Demand. That such mass migration of consumers to Open Access would in turn negatively affect the operational and financial health of the DISCOMs. That many State Electricity Regulatory Commissions in the country currently allow load factor incentive as it is a reward mechanism for promoting efficiency, lowering cost burden on the consumers, and propelling more industrial consumers to stay with the DISCOMs for meeting their power requirements and not to avail open access. Hence, they requested the Commission to approve a reasonable Load Factor Incentive for the HT Industrial Consumers.

DISCOMs' Response: They already proposed 50 paise concession during Daytime (10:00 – 15:00 Hrs) as well as Off-peak period (00:00 to 06:00 Hrs) in the present filings in order to encourage utilization of more power by the industries during the said periods. In view of the above, the request for the reintroduction of the load factor incentive scheme is not justified.

- v. That the Commission may allow security deposit to the DISCOMs from consumers in the form of Bank Guarantee instead of cash deposit since there is no such embargo in the Electricity Supply Code. Further, the objector requested the Commission to issue a directive to the DISCOMs for the installation of Prepaid Meters for HT Consumers, which would be beneficial to the DISCOMs in terms of

the working capital requirements and to the HT Consumers in the form of negating the need for a security deposit amount.

DISCOMs' Response: As per clause 4.5 of Regulation 6 of 2004, the security deposit shall be in the form of a cash/demand draft (DD). Further, the suggestion for providing pre-paid meters for HT consumers is noted.

- vi. That FAPCCI and SICMA have made a similar request like some other objectors with regard to the tariff for 33kV ferro alloy consumers and vehemently opposed the proposal for the levy grid support charges and the DISCOMs responses are similar on both these aspects.

- 198.** Sri Meesala Basavapunnaiah has stated that the collection of fixed charges from the consumer in addition to the actual consumption amount, and collection of electricity duty are against the act and law. That the DISCOMs are levying capacitor surcharge unlawfully without giving notices and fixation of tariffs sub-category and slab-wise is against natural justice.

DISCOMs' Response: The DISCOMs have stated that the fixed charges are being proposed to recover the fixed costs which the DISCOMs have to pay to the generators, Transcos, etc. and the same is proposed in accordance with Section 45 (3) of the Electricity Act, 2003. The Electricity Duty is levied at the rate of 0.06 Paise/unit as per the Electricity Duty Act 1939. That the DISCOMs are levying capacitor surcharge only after issuing notices and further they have proposed various categories, subcategories, slabs by considering various socio economic conditions prevailing in the State and as per the policies of the Govt. of A.P subject to the approval of APERC.

- 199.** AP Chamber of Commerce and Industry have stated that there is no substantiating data for the ToD proposal as the unit tariff would increase by Rs. 1.07 for HT consumers who are running their plants 24 hours/365 days. They further stated that a consumer who has CMD < 1500 KVA and was released service connection at 33 KV voltage potential as per his request is being billed at 11 KV voltage level Tariff. That the consumers who have paid developmental charges under 33 kV voltage level duly opting for advantages of tariff, pay a higher line cost compared to 11 KV consumers and energy losses are also less in 33 KV, which is an advantage to the DISCOM. That the DISCOMs proposed surcharges on the consumers above 2500 CMD under 11 KV voltage (12 % surcharge on demand and 10 % surcharge on energy charges). In view of the above, they requested the Commission not to permit the proposal for 11 KV tariff for 33 KV consumers who have less than 1500 KVA contracted load and also the TOD proposal. That they also requested for the reintroduction of load factor incentive for Industries and exemption of grid support charges for non-conventional plants. They also requested to allow bank guarantee towards the security deposit.

DISCOMs' Response: They have already extended incentives to industries in the form of off-peak ToD tariff to incentivize industries to draw more power from them. Hence, the DISCOMs do not find any merit to extend further incentive in the form of load factor incentive. As regards the tariff of 11 kV for 33 kV connected consumers with less than 1500 KVA, those consumers who have CMD < 1500 KVA and whose services were released at 33 KV voltage potential as per their request, are getting the benefit of better voltage profile and less number of interruptions than the 11 kV consumers. Hence, the consumer shall be billed at tariffs applicable for 11 KV voltage. As regards the Load Factor Incentive for the industry, it was reintroduced during the FY2019-20 keeping in view the surplus power availability in the State. As the surplus power scenario may not exist during FY 2022-23, as per the estimations of the DISCOMs, the need to push the consumers to go for higher consumption by incentivizing such consumption may not arise. As regards bank guarantees towards the security deposit, the DISCOMs have furnished a similar response as provided to other objectors supra on this aspect.

200. Sri S. Pratap has requested the Commission to restrict bulk consumers from participating in RTM, as they are creating hurdles to DISCOMs in planning, procurement of power, and rescheduling. He also requested the Commission to bring the Co-Generation Plants under the ambit of grid support charges as they are also captive plants.

201. Sri Polaki Srinivasa Rao has stated that there is a need to restrict the consumers from availing power through the RTM as DISCOMs cannot reschedule power within a short span of time. He also stated that the proposal of the DISCOMs for grid support charges is a welcome move. Further, he requested the Commission to categorise the ferro alloy industries which avail power through open access under the Industry General Category. He also requested for withdrawal of subsidies extended to the nursery, and Aqua Cultural farmers, as the activities are of Commercial nature.

202. The main submissions of AP Textile Mill Association are:

- i. That no data relating to any study has been furnished to justify the modifications to the existing TOD structure except a statement that it was worked out based on the existing Industrial Load pattern across different voltages, the trend of exchange prices during various seasons. That there is no justification for rates proposed under the modified TOD structure.

DISCOMs' Response: The DISCOMs have furnished a similar reply as furnished to other objectors supra on this aspect.

- ii. That the proposal of the DISCOMs to restrict Bulk Consumers' access to Real Time Market (RTM) by not issuing NOCs to bulk consumers is entirely

unwarranted, illegal, and contrary to the statute. That the proposal is beyond the power and jurisdiction of the APERC to issue any such directions and/or to interfere in the open market for electricity.

DISCOMs' Response: The DISCOMs have furnished a similar reply as furnished to other objectors supra on this aspect.

- iii. That the proposal of the DISCOMs to bill 33 KV HT Consumers whose CMD<1500 KVA at 11 KV Tariff is irrational, as losses are lower when the voltage of the supply is higher, and higher when the voltage of the supply is lower. Therefore, the consumer must necessarily be billed only at the tariff applicable for 33 kV.
- iv. That APDISCOM's proposal for levying Grid support charges is unreasonable both with respect to levy and quantum. Other than merely reproducing the provision in the previous APERC order for FY2002-03, there is no reasoning given in the proposal with regard to the justification for levying grid support charges and/or the quantum of such charges with due regard to the subsequent sea changes taking place with the coming into force of the Electricity Act 2003. Hence, the objector requested the Commission to consider the matter afresh, having regard to the completely changed environment and regime in consequent to the enactment of the Electricity Act, 2003. That consumers have the right to source energy from any generator located anywhere under open access of whether or not a consumer has any contracted demand with the DISCOM or not. That when no grid support charges can be levied based on the installed generating capacity of the source, whether it be an IPP or remote CPP under open access, there is no reason for levying such a charge on CPPs or co-generation plants. Furthermore, certain industries draw large currents intermittently for arc/induction furnaces or for the start-up of large motors. During such drawals, the peak demand may exceed the CMD. Hence, such industries need to be considered as a separate class while determining grid support charges. If some loads in some types of industries are considered to cause instantaneous demand on the grid, then it is only such loads that could be relevant, if at all, a grid support charge is to be levied. The installed generation capacity is irrelevant and the levy of a charge on the generation capacity is irrational. Certain CPPs have the capacity in excess of their captive requirement in order to sell

surplus power in the market. Hence, there is a need to consider such plants while determining grid support charges. That the DISCOMs can be allowed a charge only if they demonstrate actual costs related to such a charge. In view of the above reasons and for such other and further reasons and submissions advanced hereafter in the course of the proceedings and/or at the hearing, the objector requested the Commission to reject the proposal of DISCOMs.

DISCOMs' Response: The DISCOMs have furnished a similar reply as furnished to other objectors supra on this aspect.

- 203.** Sri B.Tulasidas has stated that as per the proposal of DISCOMs, there is an increase in fixed charges for LT Commercial consumers (0-50 units slab) from Rs. 50/- to Rs.75/- per month, while ToD charges were proposed to be reduced for industrial consumers. In this regard, he requested the Commission to continue the policy of cross-subsidization. He also stated that there is no rationale to effect the hike in tariff w.e.f. 01.08.22 (instead of from 01-04-22) for domestic consumers.

DISCOMs' Response: The DISCOMs have stated that though fixed charges for commercial consumers whose consumption is in the range of 0 to 50 units have been proposed to be increased, energy charges have been proposed to be reduced. Hence, there will not be any burden on consumers. As regards the tariff hike w.e.f. 01.08.22, the DISCOMs have furnished a similar reply as furnished to other objectors supra.

- 204. Amara Raja batteries Limited** have stated that in view of the prevailing challenging situation due to the outbreak of COVID-19, the proposed charges are posing challenges for sustenance. Hence, they requested the Commission not to consider the DISCOMs' proposals in the tariff order. They have also requested for load factor incentive, not to consider the other proposal of the DISCOMs to restrict the bulk consumers to access the real time market, and to direct APSPDCL to prepare an action plan to reduce energy rates for HT consumers to boost the economy.

DISCOMs' Response: The DISCOMs have furnished a similar reply as furnished to other objectors supra on the aspects of TOD, restricting bulk consumers to real time market and load factor incentive. As regards the request for the action plan to reduce energy charges for HT consumers, APSPDCL has stated that any proposal to reduce energy charges to HT consumers will increase the gap between the aggregate revenue requirement and overall revenue of the DISCOM.

- 205.** The main submissions of **TGV SRAAC Ltd**

- i. That TOD Charges have been introduced in the Tariff year 2012-13 for the units consumed during Peak Period when there were Restrictions & Controls on the usage

of electricity due to the severe power shortages prevailing at that point of time to maintain the Grid discipline. That the same is being continued. That as the power is surplus in AP, the proposed TOD charges are totally unjustified. Hence, they requested the Commission to either withdraw ToD charges or continue with the prevailing ToD charges as usual.

DISCOMs' Response: The DISCOMs have furnished a similar reply as furnished to other objectors supra on this aspect.

- ii. That, even though there is no proposal for an increase in the Demand and Energy Charges in the present filings, they are still on the higher side. The HT consumers are bearing the financial burden of the free power supply provided to certain sections of society. Therefore, they requested the Commission to reduce the Demand and Energy Charges for the survival of HT industries, particularly the Chloro-Alkali Industry, in the present global market.

DISCOMs' Response: Any reduction in charges for HT consumers will increase the gap between the aggregate revenue requirement and overall revenue of the DISCOMs.

- iii. That they requested the Commission for withdrawal of the Minimum Billing demand concept based on 80% of the Contracted Maximum Demand as the same is arbitrary and unjust. The above concept leads to double billing when power is purchased under open access since Transmission and wheeling charges are paid for the power purchased under open access in addition to the Demand charges which already include the Transmission and wheeling costs for the Contracted Maximum Demand. Therefore, when power is purchased under open access, the demand attributable to open access power shall be reduced from the billing demand (whether it is 80 % of CMD/RMD) and the Demand charges shall be applied only to the actual demand utilized from the DISCOM.

DISCOMs' Response: When a consumer consumes power from the DISCOMs' grid, the demand charge is being levied for the Maximum Demand or 80% of the contracted demand. Even if a consumer opts for Open Access, the consumer has the obligation to fulfill the requirement as per the Agreement in accordance with General Terms and Conditions of supply as the DISCOMs are obligated to maintain network and equipment to cater to loads of consumers at all times.

- iv. That they have requested the Commission to revise penal charges applicable to HT consumers who are availing the power from 3rd Party Captive Power

Sources when the RMD exceeds the CMD as they occasionally exceed the CMD because of force majeure conditions such as tripping of captive units or sudden reduction of power output, etc., as such a momentary disturbance is leading to huge penal charges,

DISCOMs' response: Up to FY2019-20 penal energy charges were calculated on full Energy if the RMD of the consumers exceeded 120 % of the CMD. But from FY2020-21 onwards, penal energy charges are levied on excess energy calculated in proportion to the excess demand if the recorded maximum demand is over and above 120% of the Contracted Maximum Demand. 20% provision has been already given in the Recorded Maximum demand to take care of any operational exigencies in the usage of power in excess intermittently. That this penal provision is meant for bringing in grid discipline. Also, usage of excess demand beyond the sanctioned contracted maximum demand causes damage to the DISCOMs' equipment and is not permitted as per General Terms and Conditions of Supply. Therefore, revision of the limits of the Percentage of Recorded Maximum Demand over Contracted Maximum Demand as requested by the objector is not to be considered.

- v. That similar to some other stakeholders, they have requested for the reintroduction of load factor incentive and not to consider the proposal to restrict the bulk consumer to access the real time market and the DISCOMs response is similar to the ones they furnished to other stakeholders supra on these aspects.

206. The main submissions of Srikalahasthi Pipes Ltd.

- i. That as per the tariff proposal, the full cost is getting recovered. However, for some sectors, the tariff is subsidized and the Govt of AP is under obligation to reimburse the gap by way of subsidy under Section 65 of Electricity Act, 2003. That the DISCOMs have not provided the amount and calculation details of the subsidy receivable from the Govt of AP under Section 65 of Electricity Act, 2003. They also stated that the DISCOMs in their proposals had not considered the subsidy from the AP govt. Hence, they stated that the cross-subsidy surcharge should be eliminated as there are no subsidized category consumers as per the proposals of the DISCOMs

DISCOMs' response: As per GO.Rt.No.161, dated 15-11-2021, they have to submit tariff proposals to APERC without taking into account any Government subsidy. The amount of subsidy is to be notified by the APERC.

- ii. That they requested the Commission to rationalize penal charges for exceeding Contracted Maximum Demand (CMD), as these charges in AP are too high in comparison to those in other states. That the proposed tariff structure for Industry has become more complicated with 24 ToD tariffs against the existing 3 TOD. That, HT industrial sector generally consumes a constant amount of power throughout the day. Hence, they suggested withdrawal of ToD modification proposals. That, if the Commission wants to approve the same, it may be limited to a maximum of 3 variations.

DISCOMs' Response: The DISCOMs have furnished a similar reply as furnished to other objectors supra on the aspects raised by the objector.

- iii. That power is the major cost component in the manufacturing cost of Ferroalloys. That viability of the Ferroalloy industry depends on power cost. Hence, power tariff should be reduced to Rs.4/unit, and permission be given to the Ferroalloys units to draw power through open access.

DISCOMs' Response: The Cost of Service at 132KV **voltage** level is Rs.6.43/Unit whereas the tariff for Energy Intensive Industries is Rs.4.95/Unit. The tariff is already lower than the Cost of Service. Hence, the request of the consumer to reduce the tariff to Rs.4.00/unit for Ferroalloy units is not justified.

- iv. That the co-generation plants are a necessity of the manufacturing operations and in a maximum number of cases, these plants are based on waste heat recovery or other green energy. That, these plants are generally environmentally friendly. There is already a provision for a steep penalty if the consumer exceeds the MD beyond CMD. Therefore, further levy of grid support charges would cause hardship to the consumers and be unjustified. Hence, they requested the Commission not to consider the grid support charges proposal of DISCOMs.

DISCOMs' Response: The DISCOMs have furnished a similar reply as furnished to other objectors supra on the aspects of grid support charges.

- 207.** The submissions of **Andhra Sugars Ltd** are similar to that of TGV SRAAC Ltd and additionally, they have requested to reduce the tariff to industrial colonies in view of the welfare of employees who are residing in Townships.

DISCOMs' Response: They have not proposed any hike in tariff to industrial colonies despite increasing costs.

- 208.** Sri Jogendra Behara, IEX, objected to the request of the DISCOMs to the Commission to direct the SLDC not to issue NOCs to the Bulk Consumers to avail open access for procuring power in the Real Time Market (RTM). That the eligibility criteria for the buyers to participate in the RTM market are specified in the IEX Business Rules approved by the Hon'ble CERC vide Order dated 29.05.2020 in Petition No. 225/RC/2020. Therefore, all the entities which are eligible to procure electricity through Open Access are eligible to participate in RTM as buyers. Hence, the objector requested the Commission to disallow the DISCOMs' proposal in this regard.

DISCOMs Response: The DISCOMs have provided a similar response to the above objection as provided to other objectors supra on this aspect.

- 209.** Sri Kandergula Venkata Ramana has stated the following.

- i. That the proposed Tariff Changes for Domestic category and True-up charges for FY2020-21 will be a burden on the middle class people,

DISCOMs' Response: As part of the tariff structure rationalization, some slabs are proposed to be merged, which may have a slight effect (+/-) on some consumer slabs. But, most importantly it will have no impact on consumers who are below the poverty line (0-30 units). As regards true-up charges, the DISCOMs have stated that True-up filings are done in accordance with the regulations of the APERC.

- ii. That he requested the Commission not to give incentives to Ferroalloys industries and to consider them as HT industry (general) consumers. That free power to nurseries and subsidies to Aquaculture should not be provided as they are taxpayers and earning profits in crores.

DISCOMs' Response: They are welcoming the suggestion on ferroalloys and as regards the other suggestions, they responded that the issue is under the purview of the Commission.

- 210.** Sri K.Trinadha Reddy has stated that Poultry feed plants were not mentioned in the paper notification. That, a tariff of Rs.5.25 per unit was proposed for the poultry feed plants that are exempted from GST. He requested for a reduction in tariff to Rs 3.85 per unit in view of the present industrial scenario.

DISCOMs' Response: They have not proposed any hike for poultry feed plants.

- 211.** Sri Ch. Gangaiah stated that the proposed tariff hike in energy charges should be withdrawn. Sri C.V.Mohan Rao has stated that the proposed changes in tariff slabs for domestic consumers will be a burden on the poor and backward electricity consumers. He also stated that levying fixed charges as per the contracted load on domestic consumers in addition to CC Charges, Customer charges is not justified. **The A.P Small Scale Granite Factories Association** requested for the enhancement of

the HP limit for the granite industries under LT from the existing limit of 100 Hp to 150 Hp in view of the crisis faced by the Small Scale Granite Factories.

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

- 212.** Sri S. Parvej and A.Dilip Kumar have requested for providing 300 units of free power by Government AP on the lines of the Delhi Government. S. Abdul Shahid has stated that 200 units of free power should be extended to all the ration card holders under the Jagjeevan scheme

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

- 213.** Sri T. Tara Singh has requested for additional slabs of 0-100, 101-200, 201-300 and 301-400 units.

DISCOMs' Response: In view of the requirement for simplification of tariff structure, the request to increase slabs is not justified.

- 214.** Sri K.Guru Swamy Naidu and K. Munaswamy Naidu have stated that the tariff hike needs to be rejected and requested for retention of slabs under the present telescopic method. They also requested a slab system under the telescopic method to Cat-IV C services on par with the domestic category.

DISCOMs' Response: The cost of supply per unit for LT consumers is Rs. 7.19. This is more than the tariff in 0-50 units and 51-100 units slabs. Hence, the request to retain present slabs is not to be considered. As regards the other request of slabs for LT Cat – IV C on par with LT Cat – I domestic, it is not to be considered in view of the need to simplify the tariff structure.

- 215.** Sri A.Punna Rao has stated that the present domestic tariff for 0-75 units slab is far less than the tariffs applicable to the same slabs in states like Bihar, Assam and Karnataka and suggested the following slabs as an alternative to the proposal of the DISCOMs for domestic consumers.

Group-A	DISCOM proposals	Suggested by the objector
03-30 Units/Month	Rs. 1.45	Rs. 2.00
31-75 Units/Month	Rs. 2.80	Rs. 3.00
<u>Group-B</u>		
0-100 Units/Month	Rs. 4.00	Rs. 3.50
101-200 Units/Month	Rs. 5.00	Rs. 4.00
201-300 Units/Month	Rs. 7.00	Rs. 5.00
300 Units & above		Rs. 7.00

DISCOMs' Response: The slabs are proposed in such a way that they will not create any burden on poor and middle income group people.

- 216.** Sri J.T Rama Rao has requested for lower tariffs for agency areas compared to that in urban areas. He also requested for free power to Anakapalli jaggery farmers.

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

- 217.** Sri Yellapu Suryanarayana has requested the Commission to consider Goshalas as a service oriented activity and include them under Category V(B). He also requested the Commission that flour mills up to 10 HP in rural areas be brought under Category IIID. He further requested the Commission for providing free DTRs to all types of services under Category-V and fix Rs 1.50 paise per unit as tariff for corporate farmers.

DISCOMs' Response: Goshalas are classified according to their activity and placed under the IV (C) category specified in the tariff order since the activity of the Goshalas is not related to agriculture. As regards the flour mills, they are classified according to their activity and are aptly placed under Category IIIA. The DISCOMs further stated that free DTR to all category V consumers will burden the DISCOMs and fixing of the tariff for corporate farmers is under the purview of the Commission.

- 218.** Sri Hume Sastry requested the Commission to accept the proposal of the DISCOMs to restrict bulk consumers accessing the real time market and withdraw the Off-Peak incentive to the consumers intending to avail Open Access.
- 219.** In the web hearings during 24.01.22, 25.01.22, and 27.01.22, Sri Ch. Babu Rao strongly opposed the proposed tariff hike to domestic consumers. Sri Narsing Rao has stated that the present subsidy framework under section 65 shall continue. Sri Nayanbabu has stated that there is inequality in tariff hike proposals for domestic consumers. Sri Y. Koteswara Rao has requested the Commission to permit the granite industries up to 150 HP under LT supply. Sri Srinivasa Chary has requested for a tariff of Rs 1 per unit for Viswakarma under category III (B). Sri Kandharapu Murali has stated that slabs for domestic consumers shall be fixed scientifically. All India hatcheries associations have requested the Commission to permit them up to 150 HP under LT supply. Sri Ramana has opposed the tariff hike proposals of the DISCOMs. Sri Venugopal Naidu has stated that the proposed slabs for the Domestic category will impose a burden on them. Sri Chandra Sekhar Naidu has stated that the tariff hike shall be effected only to the consumers whose consumption is more than 300 units. Rain Cements and Rain CII have stated that the determination of grid support charges is beyond the jurisdiction of the Commission and the same are not leviable under the scheme of the Electricity Act, 2003. Sri P V S Gopala Krishna has stated that the tariff proposal of the DISCOMs for the domestic category is unjust and subsidy to aqua

consumers shall be reduced. Sri Kondapalli Vasudeva Rao has stated that the unscientific grouping of domestic consumers has resulted in huge tariff hikes to the consumers in each group who are at the threshold of exceeding even a single unit over the ceiling fixed for each slab in the group. Lakshmi Egg Farming Private Limited has requested the Commission for separate billing for their captive feed plants and permit them up to 150 HP under LT Supply. Sri K.Trinath Reddy and Sri Srinivasa Reddy have also requested the Commission to permit the poultry units up to 150 HP under LT supply. Sri Bal Gangadhar Tilak has requested the Commission for a rebate in the tariff for the LT industry and to permit the LT industries up to 150 HP under LT supply. Smt K.Sirisha suggested that the Group-B slab limit be increased to 300 units from the existing limit of 225 units. Sri K.Gopal Chowdary and Challa Gunaranjan, Advocates have represented the views of AP textile Mills Association and Rain Cements & Rain CII respectively during the web hearings.

- 220.** Andhra Pradesh Poultry Federation has requested the Commission to consider their poultry units up to 150 HP under LT supply. They also requested the Commission to reduce the tariff of poultry captive feed units from Rs.5.25 to Rs.3.85 per unit.
- 221.** Smt Umadevi has requested the Commission to review the tariff and applicability of “corporate farmers” category.
- 222.** Sri Balineni Srinivasa Reddy, Ministry for Energy, Forests, Environment, Science & Technology, GoAP, has requested the Commission to consider the earnest request of “The Andhra Pradesh Granites Factories Association” to increase limits from 100 HP to 150 HP under LT supply.
- 223.** The Samalkot Sago Manufactures Co-operative Society Ltd has requested the Commission to consider their units up to 200 HP under LT supply and also to include them under “Category V-B -LT”.
- 224.** Sri Shaik Nabi Rasool has requested the Commission to continue the same tariff in FY2022-23 as existed in FY2021-22.
- 225.** Sri Gangaiah, EE Lift irrigation has requested the Commission to exempt the lift irrigation schemes from the penalties/DPS levied on the existing arrears in view of the comments of C&AG and, as the lift irrigations schemes are intended to meet the irrigation and drinking water needs of the farmers and public.
- 226.** Aluminium Ltd and RAIN CII Carbon (Vizag) Limited have stated that open access consumers are following rules and regulations mentioned in the Grid Code. According to the Electricity Act,2003, SLDC/RLDC is the nodal agency to maintain Grid discipline and optimum scheduling and despatch of electricity under Section 28 and 32 of the EA 2003. Licensees and Generating companies and other persons connected with the operation of the power system shall have to comply with the directions issued

by RLDC (Subsection 1 of Section 29) and SLDC (Subsection 1 of Section 33) as per Regulations prescribed by the appropriate Commission. That APTransco and DISCOMs have the responsibility in Transmission and Wheeling business only and they have nothing to do with the Levy of GSC which is under the purview of SLDC. Penal charges are being levied for deviations from schedules as per the CERC (Deviation Settlement Mechanism and related matters) Regulations, 2014. That as grid security is being maintained by SLDC/RLDC/NLDC, the DISCOMs are not entitled to levy Grid Support Charges on CPPs/Co-generation plants. That the DISCOMs are not providing Grid support. For example, if the system demand increases/decreases due to consumer requirement, the nearby generators will respond as per the system requirement. All generators are paying demand charges (Capacity charges), reactive power charges as prescribed by the Commission or single part energy tariff which is around Rs. 12.25/unit for start-up and other purposes. Hence, they stated that the levy of GSC on CPPs and Co-generation power plants is redundant as Generators are already paying Capacity charges, Deviation Charges, and reactive power charges (or kVAh tariff).

- 227.** Sri B.Srinivasa Rao has requested that the DISCOMs have issued notices to change the category of his poultry unit from Cat-VB to Cat-IIIA by showing the poultry feed mix motor as the reason. Hence, he requested the Commission to categorise small and medium poultries under LT Cat-VB and issue directions for withdrawal of notices.
- 228.** Sri M.Appa Rao has suggested that the lower tariff for domestic and MSMEs may be implemented in the North Andhra Districts in view of their backwardness.
- 229.** Sri M.Babji has suggested that the Tariff may be increased without interference from the government. Instructions may be given to the government for the payment of subsidies and dues for the welfare of the sector.
- 230.** SISMA have requested the Commission to reject the proposal of DISCOMs on Grid Supporting Charges in view of lack of rationale in the proposed charges@ 50% of Demand Charges and lack of reasons in the filings of DISCOMs for such levy. That cogeneration plants are also proposed to be brought under the ambit of these charges which is not justified as there is an interlocking facility to trip the unit in case of outage of CPP. That crushing season runs for 4 months only. Hence, levying grid support charges for the entire year is not justified. Further, he objected to the retrospective levy of Grid support charges as the DISCOMs had already recovered the ARR.
- 231.** PV.L.N.Murthy has requested the Commission not to allow the proposal of DISCOMs for changing the slabs of domestic consumers, as such changes will be a burden on poor and middle class people. That Fixed charges should not be levied on LT consumers. That the charges for additional load should be levied on the basis of recorded demand and not on the basis of load existing in the house.

- 232.** Sri K.Shaik Nabi Rasool has suggested that incentives given to private educational institutes should be withdrawn in view of high fees being collected by them from students. That the consumer security deposits should be revised based on actual consumption.
- 233.** APSEB Engineers Association-EPDCL unit has requested the Commission to approve the DISCOMs' Full Cost Recovery Tariff proposal in order to avoid the accumulation of government dues to DISCOMs.
- 234.** All India Shrimp Hatcheries Association has stated that the licensee is levying the penal charges on the loads which have been kept as standby for the smooth operation of the system. Further, it requested the Commission to enhance the LT load limit of aqua/hatchery consumers up to 150 HP on par with Rice Mills.
- 235.** Sri Yathi Raju, APIIC stated that APEPDCL is billing their services pertaining to the street lights under category-II. He requested the APEPDCL authorities to bill the services under category-IV(A) or Cat-IIIa instead of under Category-II but the DISCOM refused to do so. Hence, he requested the Commission to notify the category for the street lights present in the industrial estates on par with public street lights.
- 236.** Sri Y.Sambasiva Rao has requested the Commission to review the proposals of DISCOMs, as they filed the proposals without including cross subsidy proposals. Due to this, there will be a burden on the domestic consumers whose consumption is in the range of 0-100 units.
- 237.** Sri M. Trimurtulu has suggested that domestic consumers should be exempted from tariff hikes and that the existing slab of 0-50 units should be continued instead of the 0-30 units slab in view of the Covid-19 pandemic.
- 238.** Sri Y. Kondaiah, Sri Majji Appa Rao, and Sri Siva Ramakrishna have suggested that the existing slab of 0-50 units be continued instead of 0-30 units slab as proposed.
- 239.** Sri Gopala Krishna, Yendagandi has suggested that tariff for the slab of 201 to 225 units be replaced with a slab of 201-300 units duly reducing the tariff from Rs.6.90 to Rs.6.00 per unit. He also suggested that free electricity be extended to Christian converts of SCs/STs by treating them as BCs.

Commission's Views, Analysis, and Decision:

- 240.** In the context of the DISCOMs' responses to the various stakeholders' views/objections/suggestions on their tariff proposals as discussed above, the following aspects arise for the consideration of the Commission.
- i. Rationality of Domestic tariff slabs, groups, and fixing of tariff for each slab**
 - ii. Rationality of ToD tariff proposals and fixation of TOD slots and tariff applicable for each slot**

- iii. Grid support charges, their applicability, and determination in the context of Hon'ble Supreme Court Judgment
 - iv. Restricting bulk consumers to access the real time market
 - v. DISCOMs' proposal to merge minor and major sub-categories under the category Commercial & Others-II
 - vi. DISCOMs' proposal to merge sub-categories with < 2 KW connected load and >2KW connected load under religious sub category under the Institutional -IV category
 - vii. Modification of voltage surcharge conditions and applicable tariff for the consumers who have smaller contracted capacities and availing higher voltage of supply than the specified voltages corresponding to such contracted capacities in the GTCS.
 - viii. Reintroduction of Load Factor incentive
 - ix. The tariff for 33 kV consumers vis-a-vis the tariff for 132 kV consumers in particular for energy intensive industries (ferro alloy industries) to commensurate with COS of respective voltages.
 - x. Revision of penal interest for delayed payments in particular for HT consumers.
 - xi. Allowing bank guarantee towards security deposit in particular for HT consumers.
 - xii. Tariff reduction to Aqua Hatcheries.
 - xiii. Revisit of Start-up power tariff to the generators who have PPAs with the DISCOMs.
 - xiv. Automatic generation of penalties for exceeding the contracted load based on the data recorded in the electronic meters. Other issues like kVah billing and capacitor surcharge in respect of LT consumers.
 - xv. Reduction of tariff to HT consumers.
 - xvi. Failure of the DISCOMs to comply with the directions of the Commission to implement FCRTS.
 - xvii. Legality of fixed charges, electricity duty, and other charges.
 - xviii. Category change of Ferro Alloy Industries from Energy intensive category to industry general.
 - xix. Collection of demand charges by the DISCOMs from the open Access consumers having multiple sources of supply.
 - xx. Revision of penal charges, if RMD exceeds contracted maximum demand (CMD).
 - xxi. Non-furnishing of Government subsidy details by the DISCOMs
 - xxii. Reduction of tariffs to poultry feed mixing plants
 - xxiii. Inclusion of Goshalas under category V(B).
 - xxiv. Inclusion of flour mills under cottage industries [III(D)].
 - xxv. Enhancement of permissible connected load from 100 HP to 150 HP under LT supply in respect of certain industries.
 - xxvi. Review of the tariff and applicability of "corporate farmers" category.
 - xxvii. Other individual requests.
- 241.** As some of the views/suggestions/objections were received by the Commission during the public hearing and after the due date notified in a public notice issued by the DISCOMs in newspapers, the DISCOMs could not provide their written responses. However, the Commission is examining all the aspects & views of stakeholders holistically, as detailed below while finalizing its decisions on all the above points.

Rationality of Domestic tariff slabs, groups, and fixing of tariff for each slab

- 242.** The Commission has examined the tariff for the Domestic consumers since FY2002-03 and found that there has been no hike in the tariff of Rs.1.45 per unit since then, till now in respect of 0-50 units slab. Till FY2011-12, there used to be only one group with 5 slabs and for the subsequent FY2012-13, the slabs were increased to 6 as shown below:

FY 2012-13	
Slabs for domestic category	Energy charges (Rs/unit)
0-50	1.45
51-100	2.60
101-200	3.60
201-300	5.75
301-500	6.75
>500	7.25

In the year FY2013-14, a separate group was created for consumption between 0-50 units. Consumptions beyond 50 units were billed under 9 slabs. From FY2014-15 onwards, the domestic consumers are being billed under three groups. The existing grouping and slabs and that proposed by the DISCOMs for domestic category consumers for FY2022-23 are shown below:

LT Cat-I (A): Domestic (Telescopic)

Existing		Proposal for FY2022-23	
Group A:		Group A: Consumption < = 75 Units during the billing month	
0-50	1.45	0-30	1.45
51-75	2.60	31-75	2.80
Group B:		Group B: Consumption >75 units during the billing month	
0-50	2.60	0-100	4.00
51-100	2.60	101-200	5.00
101-200	3.60	201-300	7.00
201-225	6.90	Above 300 units	7.50
Group C:			
0-50	2.65		
51-100	3.35		
101-200	5.40		
201-300	7.10		

Existing		Proposal for FY2022-23	
301-400	7.95		
401-500	8.50		
Above 500 units	9.95		

The Commission has examined the tariff applicable to domestic consumers in different states and observed that the tariff for the consumption range up to 100 units is lower in AP State compared to many states. It also took note of the increase in the average cost of service of the DISCOMs over the years. Even with the proposed tariffs for the domestic category by the DISCOMs, the average billing rate for this category is much below the lower limit of the price band specified in National Tariff Policy as shown below:

Description	SPDCL	EPDCL	CPDCL	STATE
Average Billing Rate as per the proposed Tariffs	3.98	4.06	4.08	4.05
Average Billing Rate as per current Tariffs	3.42	3.65	3.63	3.57
ACOS as per filings	6.97	6.58	6.98	6.82
Upper Limit of Tariff (+ 20%) as per NTP, 2016	8.36	7.89	8.37	8.19
Lower Limit of Tariff (- 20%) as per NTP, 2016	5.57	5.26	5.58	5.46

As pointed out by one of the objectors, there is an anomaly in the present grouping/slab system because, in the present system, even a single unit consumed over and above the upper limit of the slab applicable for Group 'A' consumers is charged at an abnormally high rate. The only solution to address this anomaly is to switch over to the single group system that existed in FY2012-13. Therefore, keeping the above aspects in view and to rationalize the tariff structure, the Commission is inclined to modify the DISCOMs' proposal of segregating the domestic consumers who are presently in two groups in to a single group with appropriate changes to the slabs to rationally fit the consumption levels of different groups of the domestic consumers into appropriate slabs based on their consumption and payment capacity.

The National Tariff Policy, 2016 specified that the tariff for the Consumers below the poverty line shall be at least 50% of the average cost of supply. As can be seen from the above table, the DISCOMs' tariff proposal for the consumption range of 0-75 units is less than 50% of the average cost of supply and the consumers falling under the

above consumption range constitute about 50 percent of the total domestic consumers. Therefore, even though the proposed tariff for the slab between 31-75 units appears to be higher compared to the existing tariff, it is still much below 50% of the average cost of supply. Further, though there is stiff resistance from some sections of the public to the above proposed tariff hike, some stakeholders have supported tariff hike for consumption range up to 200 units.

In respect of the tariff for the 0-50 Slab, there has been no increase for the last two decades. Even for other slabs, the tariffs were last revised in FY2013-14 except for the slab >500 units and change in Groupings. While the tariff remained static as stated above, the network cost has steeply increased over the years. The following table depicts the spiraling costs

Description	As per RST Order FY 2015-16	As per RST Order FY 2022-23
Sales approved (MU)	47386.6	65829.55
Network Cost (Rs Crs.)	4740.28	12760.02
Per unit network cost (Rs)	1.00	1.94

In the above backdrop, it has become imperative to consider revision of domestic tariff to reduce the revenue gap to a reasonable extent. As noted elsewhere many objectors opposed the proposal of the DISCOMs to reduce the tariff for consumers falling in higher slabs. An objector pointed out the anomaly of a steep increase in tariff on account of consuming one unit higher than the maximum of the previous slab. The Commission having considered the above shortcomings, decided to bring in rationality in the tariff structure. Accordingly, while rationalizing tariff structure by progressively increasing tariff, based on higher consumption, it also decided to abolish the groups among domestic consumers and introduce a common telescopic system to rectify the above mentioned anomaly of sudden jump in CC charges with the difference of one unit.

As regards the tariff proposals for domestic category, after the proposals were made by the DISCOMs, a vital development took place. The Hon'ble High Court of AP has upheld the PPAs relating to Wind & Solar Power developers. As a result, the Commission is required to take full tariff as per PPAs for solar and wind power. With this addition of about Rs.3300 Cr. in ARR, the cost of tariff has gone up considerably, with the result, the revenue gap will further widen. Keeping all this in view, the Commission decided to revise the tariffs for all the domestic slabs.

Accordingly, the Commission created a single group for domestic category consumers for FY2022-23 with the following slabs to be billed under the common telescopic method applicable to all.

New slabs and rates for domestic category consumers approved by the Commission	
Slabs(units)	Rates (Rs/unit)
0-30	1.90
31-75	3.00
76-125	4.50
126-225	6.00
226-400	8.75
>400	9.75

In this regard, it may be noted that for the poorest category of consumers whose consumption falls in the 0-30 units slab a marginal increase of 45 Ps per unit is being made. A certain percentage of consumers will get benefited due to the merging of multiple groups into a single group. Further, even the consumers falling under the highest slab will be entitled to the benefit of the lowest tariffs applicable for lower slabs under the revised telescopic method. Further the DISCOMs' proposal to effect tariff from 01.08.2022 lacks rationale as pleaded by several objectors and hence the Commission decided to bring into effect, the above revised tariff from 01.04.22.

Rationality of ToD tariff proposals and fixation of TOD slots and tariff applicable for each slot

- 243.** As can be seen from the proposals of the DISCOMs, six months in the Financial Year, i.e., Feb to May, Sep & Oct, have been considered as falling under high demand period and the balance 6 months (June-Aug, Nov-Jan) in the FY as low demand period. As per the proposal, the day has been divided into blocks with 8 hours as peak period, 9 hours as off-peak period, and 7 hours as a normal period. The rebate in tariff for off-peak period consumption has been proposed at the same rate across all the high and low demand periods whereas the additional per unit rate for consumption during peak periods in high demand periods has been proposed at double the tariff in the low demand period. The ToD tariff system, in addition to benefiting all the industrial consumers by passing on of the low cost power during off-peak/low demand periods, will also aid in the flattening of the load curve with the shifting of some part of the demand from peak periods to off-peak periods which in turn will address the problems of intermittency of renewable energy and grid management to some extent. Indisputably, the power rates in the exchanges are higher during high demand periods and lower during the low demand periods. As per the estimates of the Commission, there will be a shortage of power for the DISCOMs to meet their energy requirement during the high demand period in FY2022-23. Therefore, market/exchange purchases are inevitable for which the DISCOMs are likely to incur high costs slab. On a random examination of daily load curves and also time block wise exchange purchases by the DISCOMs during all the months of the last two years by the Commission, the proposal

of the DISCOMs to divide a day into peak, off-peak, and normal periods appears to match with the reality. It is also a fact that about 4000 MW of solar power is available only during the daytime between 9 AM and 4 PM, which can be represented graphically by a bell curve and there is a need to align the demand to match with the shape of the bell curve in order to avoid backing down of other approved thermal sources to accommodate generation from the must-run solar power plants. Further, the maximum generation from wind power is about 4000 MW which occurs during the June to September period as seen from the power portfolio of the DISCOMs. During the said period, there is also a likelihood of maximum generation from hydel plants. In view of such divergent sources of power as above, which are largely intermittent in nature and have must-run status as per the regulations in vogue due to their environmental friendliness, there is a need to align the demand with the generation available from wind and solar sources for smoother operation of the grid and optimization of power purchase costs which can be passed on to the consumers by way of a reduction in tariffs. The industries which require constant power throughout the day may not be in a position to shift part of their loads to nighttime in order to benefit from off-peak TOD tariffs. With the extension of the present off-peak ToD period during the daytime by one hour, the impact of the proposed peak ToD tariffs on the above type of consumers will be significantly reduced. However, at the same time, a vast majority of the industries will be able to align their demand with the revised ToD slots to derive maximum benefit from ToD tariffs. As such, the ToD tariff system can be seen as a demand side management tool. It is also seen from the daily trade reports furnished to the Commission by the DISCOMs in respect of day-ahead transactions, the cost per unit of power is very high during the time slots of 6 AM to 10 AM and 6 PM to 10 PM in the entire year. Therefore, after examining the above aspects, the Commission is of the view that there is rationality in the TOD proposals of the DISCOMs. Accordingly, the Commission is inclined to accept the ToD tariff proposals of the DISCOMs with the following modifications in order to make the scheme reasonably revenue neutral:

ToD-Slot	Period	February-May (High Grid Demand)	June-August (Low Grid Demand)	Sept-Oct (High Grid Demand)	Nov-Jan (Low Grid Demand)
		(rebate/penalty in addition to the base tariff, Rs. per unit)			
06-10	Peak	1.50	1.00	1.50	1.00
10-15	Off-peak	-0.75	-0.75	-0.75	-0.75
15-18	Normal	0.00	0.00	0.00	0.00
18-22	Peak	1.50	1.00	1.50	1.00
22-24	Normal	0.00	0.00	0.00	0.00
24-06	Off-Peak	-0.75	-0.75	-0.75	-0.75

Grid support charges, their applicability and determination in the context of Hon'ble Supreme Court Judgment:

244. The DISCOMs have proposed Grid support charges by referring to Hon'ble Supreme Court judgment dated 29.11.19. The relevant portion of the Hon'ble Supreme Court order on the grid support charges is extracted below:

“64. Any Government Order or Incentive Scheme does not govern the Grid Support Charges. Grid Code is the basis for levy of the Grid Support Charges, which came to be approved by the Commission on 26.5.2001. The same is also reflected in the impugned order. The Grid Support Charges can be levied, and the order dated 8.2.2002 of the Commission is, thus on the parity of the reasonings, has to be upheld considering the provisions of Section 21 (3) of the Reforms Act, 1998. Under section 11 read with section 26 of the Reforms Act, 1998, all fixed charges under the distribution and Grid Support Charges are leviable only at the instance of a distribution company, and because of the discussion above, the Commission has the powers to determine it. In the agreements also there is a power where the Board could have fixed the Grid Support Charge unilaterally, but because of Reforms Act, 1998 came to be enacted, the application was filed in the Commission. After that, the Commission has passed the order in accordance with the law. We find no fault in the same”.

As can be seen from the above, the Hon'ble Supreme court clearly upheld the power of the Commission to determine grid support charges at the instance of the DISCOMs. Thus, the contention of some of the objectors that the Commission has no power to determine the grid support charges is not correct.

As regards the contention of some of the objectors that as they are paying open access charges, deviation charges, reactive power charges and penalties, etc. for over drawal of power from the DISCOMs, the proposal to levy grid support charges additionally is unjust, a perusal of the order dated 12.09.2006 of the Hon'ble APTEL on Grid support charges in Appeal No 99 of 2006, is extracted below is relevant:

“11. Next we shall take up points C & D together, as the discussions overlap each other. The parallel operation is definitely a service that the second respondent renders to all the CPPs like the appellant. It is the contention of the appellant that no charges could be levied or collected for the said service. As rightly pointed out by the Expert who appeared for the second Respondent, the parallel operation is a service which extend support to the system and at the same time it causes voltage dip in the system, harmonics, injection, additional reactive power requirement, etc. By parallel operation the CPP gains more and hence it is liable to pay the charges for service.”

12. The contention that no charges at all are payable for parallel operation or transmission system cannot be sustained and such a claim is contrary to factual position. There is no escape for CPP to pay charges for parallel operation by which the CPP gains while the transmission system of the second respondent is affected apart from the admitted fact the transmission grid is strengthened by the power injected by CPP. Hence the contention that no charges at all are payable by CPP to the second respondent for parallel operation is not acceptable nor such a claim could be sustained.”

It is also relevant to refer to the observations of the Hon’ble APTEL in its Order dated 18.02.2011 in Appeal No 120 of 2009 which are reproduced below:

“17. The parallel operation is a facility in the nature of a Grid support to the captive power plant. The Captive power plant gets the following advantages owing to the parallel operation with the Grid:

- i. The fluctuations in the load of CPP are absorbed by the utility grid in the parallel operation mode. This will reduce the stresses on the captive generator and equipment. The CPP can operate his generating units at constant power generation mode irrespective of his load cycle.*
- ii. Absorption of harmonics.*
- iii. Negative phase sequence current is generated by unbalance loads. The magnitude of negative phase sequence current is much higher at the point of common coupling than at generator output terminal. This unbalance current normally creates problem of overheating of the generators and other equipments of CPP, if not running in parallel with grid. When they are connected to the grid, the negative phase sequence current flows into the grid and reduces stress on the captive generator.*
- iv. Captive Power Plants have higher fault level support when they are running in parallel with the grid supply. Because of the higher fault level, the voltage drop at load terminal is less when connected with the grid.*
- v. The grid provides stability to the load of Captive Power Plant to start heavy loads like HT motors.*
- vi. The variation in the voltage and frequency at the time of starting large motors and heavy loads, is minimized in the industry, as the grid supply acts as an infinite bus. The active and reactive power demand due to sudden and fluctuating load is not recorded in the meter.*
- vii. The impact created by sudden load throw off and consequent tripping of CPP generator on over speeding is avoided with the grid taking care of the impact.*

viii. The transient surges reduce the life of equipment of the CPP. In some cases, the equipment fails if transient is beyond a limit. If the system is connected to the grid, it absorbs the transient surges. Hence, grid enhances the life of CPP equipments.

18. In short, the gain to the Captive power plant is quite substantial in case there is grid support. Owing to the above said substantial gains to the captive power plant by operating in parallel with the grid, the parallel operation charges are levied from the captive power plant.

19. Therefore, the State Commission is empowered to deal with the question as to whether the levy of parallel operation charges is permissible or not.....”

The above judgements dispel beyond doubt the contentions of the CPPs against the levy of the Grid support charges on technical and legal grounds. Therefore, the proposal of the DISCOMs to levy grid support charges on the CPPs which operate in parallel with the grid is justified. At the same time, the Commission feels that confining levy of the Grid support charges to CPPs only does not provide for a level playing field as other generators connected to the grid also enjoy the same benefits as that of CPPs. Hence, the Commission decides to bring other generators, except those who have PPAS with the DISCOMs, under the ambit of Grid support charges. The DISCOMs have not provided any substantiation to justify imposition of 50 percent of the demand charges applicable to HT consumers as Grid support charges. Hence, the Commission is inclined to fix the grid support charges for parallel operation on the basis of the data, materials and scientific inputs relating to parallel operations. As pointed out in the Hon'ble APTEL's judgment, the parallel operation of the generators will affect the grid equipment which in turn will affect the R&M cost of the APTransco and the DISCOMs. Therefore, based on the total generation capacity connected to AP state grid as of 31.12.2021 and R&M charges of APTransco and the DISCOMs, the Commission has determined the Grid support charges/parallel operation charges as shown below:

FY2022-23		Yearly charges	Monthly charges
Total installed capacity (MW)	16854		
DISCOM's R&M (Cr.)	830	492.46	41.04
Transco R&M (Cr.)	224.39	133.14	11.09
Total monthly charges Rs. per kW per month			52.13

As can be seen from the above table, the Commission has computed charges @Rs.52.13 per kW per month. Keeping this as a reference and having regard to the submission of various stakeholders, the Commission fixes the grid support charges/parallel operation charges for FY2022-23 as described below:

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

As regards the proposal of the DISCOMs to impose the grid support charges retrospectively from FY2009-10, the same lacks rationality and merit and hence it is not accepted by the Commission. However, with regard to the collection of grid support charges from FY2002-03 to FY2008-09, the DISCOMs are left free to act in accordance with law.

Restricting bulk consumers to access the real time market

- 245.** APEPDCL has made a similar request in the ARR and Tariff proposals for FY2021-22 and it was not accepted. Though the stakeholders responded for and against the proposal of the DISCOMs, as the Regulations in vogue do not envisage imposition of any restrictions on bulk load consumers to access the real time market, the Commission is not inclined to accept the proposal of the DISCOMs. However, the DISCOMs are at liberty to file an appropriate petition before the Commission with sufficient supporting material to amend the open access regulations appropriately and if such a petition is filed, the same will be decided on merits duly following the regulatory process.

DISCOMs' proposal to merge minor and major sub categories under the Commercial & Others-II category

- 246.** As part of the simplification of the tariff structure, the Commission is inclined to accept the proposal of the DISCOMs. The consumers who consume less than 50 units a month will benefit from reduction in energy charges even though there is a slight increase in fixed charges. All other consumers of higher slabs are also given the benefit of a lower rate in the first slab.

DISCOMs' proposal to merge sub-categories with <2 KW connected load and >2KW connected load under religious sub category under the Institutional -IV category

- 247.** As part of the simplification of the tariff structure, the Commission is inclined to accept

the proposal of the DISCOMs. However, keeping the maintenance of small religious places in view, the Commission fixes the tariff for religious places with less than 2 kW of connected load at a tariff of Rs.3.85 per unit with fixed charges of Rs.30 per kW per month as against the present tariff of Rs.4.80 per unit with fixed charges of Rs.30 per kW per month.

Modification of voltage surcharge conditions and applicable tariff for the consumers who have smaller contracted capacities and availing higher voltage of supply than the specified voltages corresponding to such contracted capacities in the GTCS.

248. Based on the request of the Industry to meet the growing power demands from the industrial sector with minimum hurdles in the matter of providing service lines and augmenting the substation capacities in line with the standards being updated by the Central Electricity Authority (CEA) from time to time and also in the interest of higher revenues to the Distribution Licensees through higher sales of energy to the industrial sector and after due public consultation, the Commission had amended the GTCS in the year 2018 as shown below.

"3.2.2.1: HT consumers intending to avail supply on common feeders:

For total Contracted Demand with the Company and all other sources

Sl.No	Capacity	Supply Voltage
1	Upto 1500 kVA	At 11 kV
2	1501 to 2500 kVA	At 11 kV subject to technical feasibility or at 33 kv
3	2501 kVA to 5000 kVA	At 33 kV
4	5001 kVA to 10000 kVA	At 33 kV subject to technical feasibility or at 132 #
5	Above 10000 kVA	At 132 k or above, as may be decided by the Company #

Note:

- i) While extending the power supply at 33 kV for smaller demands, a 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 conductor 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 (LILO) arrangement as decided by APTransco."*

Accordingly, the above provisions were incorporated in the tariff orders from time to time. As can be seen from the above order, the industries having contracted capacities from 1501 kVA to 2500 kVA are permitted to avail supply at 11 kV subject to technical feasibility. Similarly, industries having contracted capacities from 5001 kVA to 10000 kVA are permitted to avail supply at 33 kV subject to technical feasibility. In this context, reference to proceedings No. APERC / Secy/26/ 2018 Dated: 09-10-2018 is relevant. By the said proceedings this Commission has amended the GTCS permitting consumers with more than prescribed voltages to avail supply at lower voltages "subject to technical feasibility". Therefore, unless said proceedings are withdrawn and GTCS is appropriately modified, it is not possible to accede to the request of the DISCOMs to vary the condition by way of the present tariff order. If the DISCOMs so choose they shall be free to approach this Commission by way of appropriate petition in this regard.

Reintroduction of Load Factor incentive

- 249.** As regards the request of the stakeholders for allowing load factor incentive, it may be noted that the same was introduced for the FY2019-20 keeping in view the availability of surplus power in the State at that time. As the surplus power scenario did not exist during FY2021-22, it was withdrawn. As per the estimation of the Commission, there will be a shortage of power during 8 months in FY2022-23 which may have to be met from the market sources at higher prices. Therefore, keeping in view the above shortage scenario, reintroduction of load factor incentive is not justified.
- 250. The tariff for 33 kV consumers vis-a-vis the tariff for 132 kV consumers in particular for energy intensive industries (Ferro Alloy industries) to be commensurate with the COS at respective voltages.**
- 251.** There has been no tariff hike for the energy intensive industries category during the last four years and further, no tariff hike has been proposed by the DISCOMs for FY2022-23 for this category. The tariffs for ferro alloy industries which come under the above category are much lower than the cost of service at all the voltage levels and any tinkering of these tariffs applicable to any particular voltage level would increase the revenue gap of the DISCOMs further. The CoS computed by the Commission at each voltage level is a guiding factor only meant to fix the tariffs and these tariffs can be anywhere between 80% to 120 % percent of the ACoS as per National Tariff Policy 2016 and the tariff for Ferro Alloys industry at 33 kV voltage level is, anyhow between 80 -100 percent of the ACoS. Hence, the Commission is not inclined to accept the request of the objectors in this regard.

Allowing bank guarantee towards security deposit in particular for HT consumers

- 252.** The extant regulations do not contemplate furnishing of bank guarantee in lieu of cash towards the security deposit to be paid by the consumers to the DISCOMs as per section 47 of the Electricity Act, 2003. Hence, the Commission is not inclined to accept the request in this regard.

Tariff reduction to Aqua Hatcheries

- 253.** No tariff hike has been proposed by the DISCOMs for this category for FY2022-23 and any reduction of the tariff for this category would increase the revenue gap further. Hence, the request of the objectors in this regard is not accepted. However, the objectors may note that no TOD tariffs are applicable to their services.

Revisit of Start-up power tariff to the generators who have PPAs with the DISCOMs

- 254.** The Commission has notified Regulation 3 of 2017 which provides for hassle-free evacuation of power from renewable energy sources with a view to promote these sources in the State of Andhra Pradesh as per section 86 (1) (e) of the 2003 Act. Inter alia, the Commission has fixed a tariff of Rs.11.47 per unit for FY2017-18 to this category without the burden of fixed and minimum charges. Subsequently, based on the tariff proposals, the Commission has revised the tariff to this category to 12.25 per unit for FY 2018-19 and the same tariff is continuing as of now. As the start-up power requirement is intermittent and the load factor for this category is less than 10 percent only and as the demand and minimum charges are not applicable to this category, the Commission is of the view that the existing tariff for this category is reasonable and there is no need to revise the same. As for the tariffs payable by the DISCOMs for the power supplied by these plants, they shall be as per the tariff orders issued by the Commission from time to time irrespective of the terms and conditions of the PPAs. Hence, the objector is at liberty to avail appropriate legal remedies to claim the differential tariff, in accordance with law.

Automatic generation of penalties for exceeding the contracted load based on the data recorded in the electronic meters. Other issues like kVah billing and capacitor surcharge in respect of LT consumers.

- 255.** The Commission appreciates the suggestion of the objector. As per metering regulations issued by the CEA under section 55 of the electricity act 2003, all the meters fixed to the consumers shall be of electronic type having features to record supply parameters such as demand, voltage of supply and billing parameters such as kWh, kVAh and kVARh, etc. The data can be utilised by the DISCOMs to improve the consumer service and efficiency of its operations. Reactive power management is one of the aspects where the DISCOMs are making huge investments to maintain the voltage profile in the Grid as per the prevailing regulations. The consumers are also

required to maintain the power factor as per general terms and conditions of supply and regulations specified by the Commission. Failure to maintain the required power factor would attract penalties in the form of a capacitor surcharge. The kVAh billing would make the consumers more conscious about their power factor and capacitor maintenance. As of now, only consumers above a certain connected load are billed on kVAh basis. Keeping this in view, the Commission has decided to direct adoption of KVAh billing for all categories of consumers irrespective of their connected load except for domestic consumers and farmers under the agriculture & related category and also for single phase service connections of all categories. The DISCOMs are utilizing significant human resources to collect the penalties from the consumers towards additional connected loads. Therefore, the Commission directs the DISCOMs to utilize their IT resources and provide a facility on their websites to the consumers to apply for regularize their additional loads as this would not only save the time of consumers but also the resources of the DISCOMs. Further, each DISCOM shall develop an IT program which recognizes when the consumers have exceeded the contracted loads from the data recorded in the meters and automatically issues notices to all these consumers to regularize their loads through email, whatsapp, DISCOMs' app and SMS, etc. The DISCOMs may approach the Commission for any difficulties experienced in the implementation of the above directions.

Reduction of tariff to HT consumers

- 256.** The Commission has compared the industrial tariffs of major states for FY2021-22 which are shown below:

Industry tariff at 50 percent load factor (Demand charges + energy charges)- FY2021-22						
Sno	State	11 KV	State	33 KV	State	132 KV
1	Gujarat	4.42	Gujarat	4.92	Gujarat	5.62
2	Odisha	6.27	Odisha	6.27	Odisha	6.49
3	Punjab	6.56	Punjab	6.83	Andhra Pradesh	6.72
4	Rajasthan	7.05	Rajasthan	6.86	Telangana	6.73
5	Tamilnadu	7.32	Andhra Pradesh	7.17	Rajasthan	6.79
6	Andhra Pradesh	7.62	Telangana	7.23	Punjab	7.06
7	Telangana	7.73	Tamilnadu	7.32	Uttara Pradesh	7.15
8	Uttara Pradesh	7.93	Uttara Pradesh	7.61	Tamilnadu	7.32
9	Madhya Pradesh	8.06	Karnataka	8.12	Karnataka	8.09
10	Karnataka	8.14	Delhi	8.44	Maharastra	8.16
11	Delhi	8.44	Madhya Pradesh	8.61	Delhi	8.44
12	West Bengal	8.73	West Bengal	8.70	Madhya Pradesh	8.45
13	Maharastra	8.73	Maharastra	8.73	West Bengal	8.65

As can be seen from the above table, the tariffs for industry in the state of Andhra Pradesh are competitive when compared to some of the major States and are at a

reasonable level for 11 kV and 33 kV industrial consumers and are the third lowest in the Country for 132 kV and above industrial consumers. The DISCOMs have not proposed any tariff hike for this category as a promotional measure and to discourage them from opting open access. Moreover, any further reduction in tariff for the industry will certainly increase the revenue gap significantly. Hence, there is no rationale in the request of the industry for the reduction of the tariff.

Failure of the DISCOMs to comply with the directions of the Commission to implement FCRTS.

- 257.** It is mandatory for the DISCOMs to recover the charges as per the full cost recovery tariff schedule in the event of non-receipt of subsidy under section 65 of the Electricity Act 2003. The DISCOMs in their replies have stated that they are receiving the subsidies for the current year regularly. Hence, the issue of non-implementation of FCRTS for FY2021-22 does not arise. However, the DISCOMs, being the government companies, could not act independently to recover the charges as per full cost recovery schedule in the past. The Commission, apart from addressing letters to the GoAP to release the pending dues on priority, has been issuing stern directions to the DISCOMs to realize the subsidy dues from the government and CC arrears from the government departments and local bodies and to disconnect the services if the CC dues are not paid. Further, the Commission has been making efforts to reduce the dependency of the DISCOMs on the government subsidies to the extent possible by gradually reducing the subsidy component of the tariffs as can be seen from the last two years.

Legality of fixed charges, electricity duty and other charges

- 258.** The Commission is determining all the charges to be recovered from the consumers legitimately as per the provisions of the Electricity Reform Act, 1998 and the Electricity Act, 2003. The DISCOMs are collecting the electricity duty as per the Electricity duty Act, 1939(as amended from time to time) of Andhra Pradesh in addition to the current consumption charges from the consumers as approved by the Commission in the tariff orders. Therefore, if the objector feels that the DISCOMs are collecting charges other than what is permissible by law, he is entitled to approach the appropriate forum for redressal of his grievances.

Category change of Ferro Alloy Industries from Energy intensive category to industry general

- 259.** There is no such proposal from the DISCOMs in the present filings. As and when the DISCOMs make a proposal in this regard, the Commission will examine the same and take appropriate action following the due regulatory process.

Collection of demand charges by the DISCOMs from the open Access consumers having multiple sources of supply

260. The Commission has allayed the objectors' suspicion/apprehension of double charging in detail at page 245 of the RST order for FY 2020-21. If the objectors still have any grievances in this regard, they may approach the appropriate forum for redressal of their grievances.

Revision of penal charges if RMD exceeds contracted maximum demand

261. The Commission has changed the method of imposition of penalties on the energy component in case the RMD exceeds the CMD. By this method only the excess part of energy attributable to the excess CMD is chargeable at penal rates, instead of levying penalties on the entire energy charges. This being so the Commission does not find any justification for effecting further change. The Commission expressed this opinion in the previous tariff order while dealing with the same request.

Non-furnishing of Government subsidy details by the DISCOMs in the filings

262. The DISCOMs in their replies to various stakeholders have stated that they filed the tariff proposals without indicating the subsidy details as per the government directions issued vide G.O.Rt. no.161 dated 15.11.2021. During the public hearings, the Govt. representative has assured all stakeholders that the Government is committed to bearing the burden as promised to different sections of the people in various orders issued in this regard. Therefore, before issuing the tariff order, the Commission will communicate to the Government the quantum of subsidies the Government is required to extend to various categories of consumers and based on the written commitment received from the Government, the Commission will finalize and issue the tariff order.

Reduction of tariffs to poultry feed mixing plants

263. The Commission has fixed a concessional tariff to captive feed mixing plants under LT supply in the earlier tariff order. The same concession will continue in the present order also. Any further reduction in tariff will adversely impact the revenue of the DISCOMs.

Inclusion of Goshalas under category V(B)

264. The Goshalas are being billed under category IV - C now. The Commission finds the request of the Goshalas to include them under category V (B) is not rational and however, fixed tariff applicable for category V-B.

Inclusion of flour mills under cottage industries [III(D)]

265. There is no rationale in this request and hence the Commission is not inclined to accept the same.

Enhancement of permissible connected load from 100 HP to 150 HP under LT supply in respect of certain industries

266. The Commission has received multiple representations in writing and orally during the public hearings from various associations and individual entrepreneurs for enhancing the connected load limit for industries from 100 HP to 150 HP under LT supply as was done in case of Rice mills and Pulverizing mills from FY2020-21. The Commission after examining the probable financial impact on the DISCOMs if the requests are positively considered, has analyzed these requests based on the information subsequently obtained from the licensees keeping the practical difficulties involved in converting to HT supply and in the occasional crossing of the demand beyond 100 HP during certain random periods the consumer finds that these requests deserve acceptance. Accordingly, the Commission decided to permit all the industrial consumers with a connected load up to 150 HP to continue under “Category III: Industry (General) – LT” on an optional basis without disturbing their existing metering arrangement at the following tariffs, thereby balancing the interests of these consumers and the DISCOMs.

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
Monthly minimum charges – NIL		

Note: Furnishing an advance option is mandatory to avail the above benefit.

Applicability of “corporate farmers” category and tariff therefor.

267. After examining the issue in depth, the Commission decides to change the tariff and applicability of “Corporate farmers” subcategory as below.

Tariff and Applicability:

- 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
- Registered Association of persons or cooperative societies and body of individuals undertaking farming activities
- The tariff for this category is fixed at Rs.3.50 per KWh and the other conditions are as specified in the terms and conditions of supply. Metering for this category is mandatory.

Other individual requests:

- 268.** A lot of individual requests have been received for reduction of tariffs or extension of concessions in respect of various categories. The Commission is not inclined to accept these requests as it would adversely affect the revenues of the DISCOMs.

Reference Tariff Schedule (RTS)

- 269.** The Commission, after incorporating the decisions as stated above, has accordingly prepared a Reference Tariff Schedule (RTS) for FY2022-23. 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 FY2022-23 is given below:

Table 80: Reference Tariff Schedule (RTS) for FY2022-23
(Rates/Charges as fixed by APERC)

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 from 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

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
III	INDUSTRY								
	(A) : Industry (General)	75/kW	6.70	kWh/kVAh	475	-	-	-	-
	Time of Day tariff (TOD) (High Grid Demand) (Feb'23, Mar'23), (Apr- May'22) & (Sep'22-Oct'22)								
	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'22-Aug'22) & (Nov'22-Jan'23)								
	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
	(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	-	5.80	5.35	4.95	4.90
	(D) : Cottage Industries up to 10HP *	20/kW	3.75	kWh	-	-	-	-	-
	* - Dhobi Ghats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018								
IV	INSTITUTIONAL								
	(A) : Utilities (Street Lighting, NTR Sujala Pathakam, CPWS and PWS)	75/kW	7.00	kWh	475	7.65	6.95	6.70	6.65
	(B) : General Purpose	75/kW	7.00	kWh/kVAh	475	7.95	7.25	7.00	6.95
	(C) : Religious Places	30/kW	5.00	kWh/kVAh	30	5.00	5.00	5.00	5.00
	(D) : Railway Traction	-	-	kVAh	350	5.50	5.50	5.50	5.50
V	AGRICULTURE & RELATED								
	(A) : Agriculture								
	(i) Corporate farmers	-	3.50	kWh	-	-	-	-	-

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
	(ii) Non-Corporate farmers	-	-	-	-	-	-	-	-
	(iii) Salt farming units up to 15 HP	-	2.50	kWh	-	-	-	-	-
	(iv) Sugarcane crushing	-	-	-	-	-	-	--	-
	(v) Rural Horticulture Nurseries	-	-	-	-	-	-	--	-
	(vi) Floriculture in Green House	75/kW	4.50	kWh/kVAh	-	-	-	-	-
	(B) : Aquaculture and Animal Husbandry	30/kW	3.85	kWh/kVAh	30	3.85	3.85	3.85	3.85
	(D) : Agro Based Cottage Industries up to 10 HP	20/kW	3.75	kWh	-	-	-	-	-
	(E) : Government / Private Lift Irrigation Schemes	-	6.40	kVAh	-	7.15	7.15	7.15	7.15
Note:	(i) Temporary Supply: There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed at the rate and other conditions specified in this order.								
	(ii) Categories not defined in either HT-Supply or LT-Supply shall be billed at the rates specified in Category - II (A) (i) Commercial								

CHAPTER – IX

FULL COST RECOVERY TARIFF DETERMINATION

Introduction

270. As per the Reference Tariff Schedule (RTS) (as determined in Chapter – VIII of this Order), the licensees will not be able to recover Rs.9950.37 Crores out of the total approved ARR of Rs.45972.70 Crores for the FY2022-23. Hence, the Commission has endeavoured in this chapter to determine the tariffs, i.e., the Full Cost Recovery Tariff Schedule (FCRTS) for FY2022-23 at which the total approved ARR can be recovered. FCRTS is finalised by considering the category-wise revenue, revenue deficit/surplus and by revising upwards the charges/rates fixed in RTS for bridging the revenue gap of Rs.9950.37 Crores.

Classification of Consumer Categories

271. All the consumer categories have been classified into “subsidising” and “subsidised” categories as under:

Subsidising: Consumer categories for whom the revenues at RTS are more than the allocated costs during FY2022-23.

Subsidised: Consumer categories for whom the revenues at RTS are less than allocated costs during FY2022-23.

Allocation of Available Surplus

272. In Stage-1, the surplus available from the estimated revenue of all the subsidising consumer categories and income from CSS from OA consumers, has been used to meet the deficit of subsidised consumers in full excluding “Category V: Agriculture - LT” for all the three licensees and additionally Category-I (A): Domestic-LT in respect of APCPDCL.

273. In Stage-II, the remaining surplus income has been allocated in full to Category V: Agriculture – LT - (ii) non corporate farmers" in respect of APSPDCL. Even after allocation of the available surplus to these consumer categories, there remains a deficit of Rs.9950.37 Crores as shown in the table below for consumers of “Category-I: Domestic – LT” (APCPDCL) and “Category V: Agriculture - LT” (for the three licensees).

Consumer Category		Amount (₹ Cr.)			
		APSPDCL	APEPDCL	APCPDCL	STATE
I	LT-Domestic	0.00	0.00	437.42	437.42
	LT-Agricultural & Related	5336.70	2415.83	1760.42	9512.95
	i) Free power categories	5112.72	1846.06	1423.56	8382.34
	ii) Aquaculture and Animal Husbandry	222.04	555.69	324.54	1102.27
V	iii) Others	1.94	14.08	12.32	28.34
Total		5336.70	2415.83	2197.84	9950.37

Charges for Full Cost Recovery

274. To recover the deficit of Rs.437.42 Cr. in respect of APCPDCL for “Category I (A): Domestic – LT”, the energy charges/rates for this sub-category have been revised as given below:

Category	Consumer Category	LT SUPPLY				↔ Billing Unit	HT SUPPLY			
		Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)				Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)		
			SPDCL	EPDCL	CPDCL			11 kV	33 kV	132 kV & above
I	DOMESTIC									
	(A) : Domestic (Telescopic)									
	0-30	10	1.90	1.90	3.37	kWh	-	-	-	-
	31-75	10	3.00	3.00	4.10	kWh	-	-	-	-
	76-125	10	4.50	4.50	4.76	kWh	-	-	-	-
	126-225	10	6.00	6.00	6.00	kWh	-	-	-	-
	226-400	10	8.75	8.75	8.75	kWh	-	-	-	-
	>400	10	9.75	9.75	9.75	kWh	-	-	-	-

275. To recover the deficit of Rs. **9512.95** Cr. for all the three licensees as shown in the paragraph above in respect of “Category V: Agriculture – LT”, the energy charges/rates have been revised as given below:

Category	Consumer Category	LT SUPPLY			
		Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)		
			SPDCL	EPDCL	CPDCL
V	AGRICULTURE & RELATED				
	(A) : Agriculture				
	(i) Corporate farmers	-	6.66	6.80	6.71
	(ii) Non-Corporate farmers	-	6.59	6.84	6.88
	(iii) Salt farming units upto 15 HP	-	6.60	6.80	7.00
	(iv) Sugarcane crushing	-	6.59	6.89	7.00
	(v) Rural Horticulture Nurseries	-	7.50	6.90	7.00
	(vi) Floriculture in Green House	-	7.00	5.00	4.50
	(B) : Aquaculture and Animal Husbandry	-	6.70	6.70	6.73
	(D) : Agro Based Cottage Industries up to 10 HP	-	6.00	7.00	6.94
	(E): Government/Private Lift Irrigation Schemes	-	7.00	6.40	7.00

- 276.** With the above charges/rates, the licensees will be able to recover the Aggregate Revenue Requirement (ARR) in full during FY2022-23. The revenue estimated by the Commission category wise at tariffs in FCRTS is shown at Annexure-23.
- 277.** The revised rates as shown in above paragraphs for “Category I (A): Domestic – LT” (APCPDCL) and “Category V: Agriculture – LT” for the three licensees have been substituted in the “Reference Tariff Schedule” (RTS) to create the “Full Cost Recovery Tariff Schedule” (FCRTS) for FY2022-23.
- 278.** Accordingly, the FCRTS approved by the Commission for FY2022-23 is given in the table below:

Table 81 : Full Cost Recovery Tariff Schedule (FCRTS) for FY2022-23**(Rates / Charges as determined by APERC)**

(Rates / Charges as determined by M.E.R.C.)											
Cat.	Consumer Category	LT SUPPLY	Energy Charges (Rs./Unit)			Billing Unit	HT SUPPLY				
		Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)				Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
			SPDCL	EPDCL	CPDCL			11 kV	33 kV	132 kV	220 kV
I	DOMESTIC										
	(A) : Domestic (Telescopic)										
	0-30	10	1.90	1.90	3.37	kWh	-	-	-	-	-
	31-75	10	3.00	3.00	4.10	kWh	-	-	-	-	-
	76-125	10	4.50	4.50	4.76	kWh	-	-	-	-	-
	126-225	10	6.00	6.00	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

Cat.	Consumer Category	LT SUPPLY	Energy Charges (Rs./Unit)			↔ Billing Unit	HT SUPPLY				
		Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)				Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
			SPDCL	EPDCL	CPDCL			11 kV	33 kV	132 kV	220 kV
	(D) : Green Power	-	12.25	12.25	12.25	kWh/kVAh	-	12.25	12.25	12.25	12.25
III	INDUSTRY										
	(A) : Industry (General)	75/kW	6.70	6.70	6.70	kWh/kVAh	475	-	-	-	-
	Time of Day tariff (TOD) (High Grid Demand) (Feb'23, Mar'23), (Apr- May'22) & (Sep'22-Oct'22)										
	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'22-Aug'22) & (Nov'22-Jan'23)										
	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
	(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	-	5.80	5.35	4.95	4.90
	(D) : Cottage Industries upto 10HP *	20/kW	3.75	3.75	3.75	kWh	-	-	-	-	-
	* Dhobighats shall be extended free power supply as per G.O.Rt.No.75, dt. 27-06-2018										
IV	INSTITUTIONAL										
	(A) : 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	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

Cat.	Consumer Category	LT SUPPLY	Energy Charges (Rs./Unit)			↔ Billing Unit	HT SUPPLY				
		Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)				Fixed / Demand Charges per month (Rs./kVA)	Energy Charges (Rs./Unit)			
			SPDCL	EPDCL	CPDCL			11 kV	33 kV	132 kV	220 kV
	(D) : Railway Traction	-	-	-	-	kVAh	350	5.50	5.50	5.50	5.50
V	AGRICULTURE & RELATED										
	(A) : Agriculture										
	(i) Corporate farmers	-	6.66	6.80	6.71	kWh/kVAh	-	-	-	-	-
	(ii) Non-Corporate farmers	-	6.59	6.84	6.88	kWh/kVAh	-	-	-	-	-
	(iii) Salt farming units upto 15HP	-	6.60	6.80	7.00	kWh/kVAh	-	-	-	-	-
	(iv) Sugarcane crushing	-	6.59	6.89	7.00	kWh/kVAh	-	-	-	-	-
	(v) Rural Horticulture Nurseries	-	7.50	6.90	7.00	kWh/kVAh	-	-	-	-	-
	(vi) Floriculture in Green House	75/kW	7.00	5.00	4.50	kWh/kVAh	-	-	-	-	-
	(B) : Aquaculture and Animal Husbandry	30/kW	6.70	6.70	6.73	kWh/kVAh	30	3.85	3.85	3.85	3.85
	(D) : Agro Based Cottage Industries upto 10 HP	20/kW	6.00	7.00	6.94	kWh	-	-	-		-
	(E) : Government / Private Lift Irrigation Schemes	-	7.00	6.40	7.00	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											

279. 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 FY2022-23 for Retail Sale of Electricity to generate the revenue required to meet the approved ARR for FY2022-23.

280. The Government of Andhra Pradesh vide G.O.Rt .No. 161 dated 15.11.2021 (Annexure -22) has requested the Commission to notify the unit-wise Government subsidy for different consumer categories as part of annual tariff order. That Sri Venugopala Rao has also requested the Commission to show the details of cross subsidy and Government subsidy being provided to different categories/slabs of consumers separately in the retail supply tariff order. Therefore, having regard to the request of the Government and the objector, the unit wise tariff, cross subsidy and govt. subsidy for various subsidised consumer categories, as computed by the Commission are shown below:

LT SUPPLY											
Category	Consumer Category	Fixed / Demand Charges per month (Rs./HP or kW)	Energy Charges (Rs./Unit)			Cross subsidy received per unit (Rs./Unit)			Govt subsidy received per unit (Rs./unit)		
			SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL
I	DOMESTIC										
	(A) : Domestic (Telescopic)										
	0-30	10	1.90	1.90	1.90	5.02	4.75	3.63	0.00	0.00	1.47
	31-75	10	3.00	3.00	3.00	3.40	3.52	2.73	0.00	0.00	1.10
	76-125	10	4.50	4.50	4.50	1.51	1.28	1.76	0.00	0.00	0.26
	126-225	10	6.00	6.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00
	226-400	10	8.75	8.75	8.75	0.00	0.00	0.00	0.00	0.00	0.00
	>400	10	9.75	9.75	9.75	0.00	0.00	0.00	0.00	0.00	0.00
V	AGRICULTURE & RELATED										
	(A) : Agriculture										
	(i) Corporate farmers	-	3.50	3.50	3.50	0.00	0.00	0.00	3.16	3.29	3.22
	(ii) Non-Corporate farmers	-	0.00	0.00	0.00	0.75	0.02	0.00	6.59	6.84	6.88
	(iii) Salt farming units upto 15 HP	-	2.50	2.50	2.50	0.00	0.00	0.00	4.09	4.29	4.34
	(iv) Sugarcane crushing	-	0.00	0.00	0.00	0.00	0.00	0.00	5.96	6.88	6.97
	(v) Rural Horticulture Nurseries	-	0.00	0.00	0.00	0.00	0.00	0.00	7.32	6.85	6.65
	(vi) Floriculture in Green House	-	4.50	4.50	4.50	0.00	0.00	0.00	2.59	0.19	0.00
	(B) : Aquaculture and Animal Husbandry	-	3.85	3.85	3.85	0.00	0.00	0.00	2.82	2.83	2.88
	(D) : Agro Based Cottage industries up to 10 HP	-	3.75	3.75	3.75	0.00	0.00	0.00	2.14	2.81	3.19
	(E): Government/ Private Lift Irrigation Schemes	-	6.40	6.40	6.40	0.00	0.00	0.00	0.37	0.00	0.55

CHAPTER – X

RETAIL SUPPLY TARIFF SCHEDULE

Communication to Government of Andhra Pradesh

281. The Commission has informed the Government of Andhra Pradesh (GoAP) on 23.03.2022 with regard to requirement of external subsidy of Rs.11,123.21 Cr. (APSPDCL - Rs.5,559.99 Cr., APEPDCL – 2,899.18 Cr. and APCPDCL - Rs.2,664.04 Cr.) for FY2022-23 towards subsidy to “Category I (A): Domestic – LT (APCPDCL)” and “Category V: Agriculture – LT” for all the three licensees and concessions extended to various classes of the consumers (Annexure -13 to Annexure -21), to maintain the rates as mentioned in the “Reference Tariff Schedule (RTS) for FY2022-23” with all relevant calculations including the details of “Full Cost Recovery Tariff Schedule for FY2022-23.”

Provision of Subsidy by Government of Andhra Pradesh

282. In response to the Commission’s letter dated: 23-03-2022, the Government of Andhra Pradesh has communicated vide letter No. ENE01-APCC/1/2021, Dated: 24-03-2022 (Annexure-12), 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.11,123.21 Cr. agreed to be provided by the State Government, the APSPDCL shall get Rs.5559.99 Cr., the APEPDCL shall get Rs.2899.18 Cr. and the APCPDCL shall get Rs.2664.04 Cr.

283. The Commission, in accordance with the decisions enumerated in earlier chapters and in accordance with the approval of GoAP for providing subsidy, hereby determines the Tariff for Retail Sale of Electricity with the terms and conditions applicable with effect from 01-04-2022 to 31-03-2023 in respect of the three distribution licensees (APSPDCL, APCPDCL & APEPDCL including the areas of three RESCOs which are directed to be taken over by the respective DISCOMs) in the State of Andhra Pradesh, as hereunder:

284. The Commission, in accordance with the decisions enumerated in earlier chapters and in accordance with the approval of GoAP for providing subsidy, hereby determines the Tariff for Retail Sale of Electricity with the terms and conditions applicable with effect from 01-04-2022 to 31-03-2023 in respect of the three distribution licensees (APSPDCL, APCPDCL & APEPDCL including the areas of three RESCOs which are directed to be taken over by the respective DISCOMs) in the State of Andhra Pradesh, as hereunder:

Table 82: TARIFF FOR RETAIL SALE OF ELECTRICITY DURING FY2022-23

(Applicable with effect from 01.04.2022 to 31.03.2023 in respect of three distribution licensees, APSPDCL, APEPDCL and APCPDCL 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'23, Mar'23), (Apr- May'22) & (Sep'22-Oct'22)									

	Peak (06-10) & (18-22)	-	-			7.80	7.35	6.90	6.85
	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'22-Aug'22) & (Nov'22-Jan'23)								
	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	-	5.80	5.35	4.95	4.90
	(D) : Cottage Industries up to 10HP *	20/kW	3.75	kWh/kVAh	-	-	-	-	-
	* - 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	5.50	5.50	5.50	5.50
V	AGRICULTURE & RELATED								
	(A) : Agriculture								
	(i) Corporate farmers	-	3.50	kWh	-	-	-	-	-
	(ii) Non-Corporate farmers	-	-	-	-	-	-	-	-
	(iii) Salt farming units up to 15 HP	-	2.50	kWh/kVAh	-	-	-	-	-
	(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/kVAh	-	-	-	-	-
	(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 01-04-2022 to 31-3-2023 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 and farmers in "Category -V agriculture and related"

(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
<p>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.</p> <p>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.</p>	

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

SPECIFIC CONDITIONS

- 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:

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

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

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

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

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

Note: The DISCOMs shall collect only 90 percent of the above tariff from the charging stations.

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

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

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

Note:

- (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.

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

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

This tariff will also apply to:

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

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

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

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

(Fixed charges on Telescopic Basis):

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

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

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

Applicability

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

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

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

Specific conditions for Seasonal Industries:

- (i) Consumers classified as seasonal load consumers who are desirous of availing the seasonal benefits shall specifically declare their season at the time of entering into agreement that their loads should be classified as seasonal loads.
- (ii) The period of season shall not be less than 3 (three) continuous months. However, the consumer can declare a longer seasonal period as per actuals.
- (iii) Existing eligible consumers who have not opted earlier for availing of seasonal tariffs will also be permitted to opt for seasonal tariff on the basis of application to the concerned Divisional Engineer of the Licensees.

- (iv) Consumer, who desires to have a change in the period classified as “season” declared by him, shall file a declaration at least a month before commencement of the season already declared by him. Change of season will be allowed once 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, Agarbathi production units, Wax Candle making units, Papads Manufacturing units, Leather (Chappals) making, Soap Industry, Plaster of Paris units, Laque toy making units, Pop Toys, Wood carving/toy making units, Pickles Manufacturing, Mango jelly units, Adda leaf plate industry etc. having connected load not exceeding 10 HP including incidental lighting in the premises.

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

1.4 CATEGORY-IV: INSTITUTIONAL – LT**1.4.1 CATEGORY-IV (A): UTILITIES – LT**

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

Applicability

This tariff is applicable for:

- (i) Supply of energy for lighting on public roads, streets, thoroughfare including parks, markets, car-stands, taxi stands, bridges, PWS schemes in the Local Bodies viz., Panchayats / Municipalities / Municipal Corporations.
- (ii) Supply of energy to the Composite Water Supply Schemes (CWSS) / PWS Schemes operated and / or maintained by Local Bodies viz., (Panchayats, Municipalities, Municipal Corporations) etc.

- (iii) Supply of energy to NTR Sujala Pathakam (Drinking water schemes notified by the Government of AP and / or concerned statutory authority)

Metering is compulsory irrespective of tariff structure.

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

Specific Condition applicable to Street Lighting:

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

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

Applicability

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

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

Note:

- (i) Trivector meters shall be provided for all 10 kW and above services.

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

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

Applicability

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

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

1.5 CATEGORY-V: AGRICULTURE & RELATED – LT

1.5.1 CATEGORY-V (A) : AGRICULTURE – LT

1.5.1.1 CATEGORY-V (A) AGRICULTURE (i): CORPORATE FARMERS – LT

Applicability

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

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

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

Note:

- (i) *Any consumption of energy / electricity in any Agricultural land for purposes other than agriculture shall be charged / billed in accordance with the applicable tariff.*

- (ii) Farmers without DSM Measures shall be billed @ Rs.4.50/kWh. DSM measures include frictionless foot valve, capacitor of adequate rating, HDPE or RPVC piping at suction and/or delivery and ISI marked mono-block or submersible pump-sets.

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

Applicability

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

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

Note:

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

SPECIFIC CONDITIONS APPLICABLE FOR NON-CORPORATE FARMERS:

- (i) Agricultural consumers are permitted to use one lamp of 15 watts or three lamps of 5 watts each, near the main switch as pilot lamps.
- (ii) Supply to the L.T. Agricultural services will be suitably regulated as notified by Licensees from time to time.
- (iii) The farmers eligible for free supply have to comply with the Demand Side Management Measures (DSM) stated below as applicable for their pumping system viz., submersible or surface pump sets failing which they will not be

eligible for free supply. Non-corporate farmers without DSM measures shall be provided with meters and billed at the tariff applicable to Category-V (A) (i): LT .

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

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

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

Applicability

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

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

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

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

Applicability

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

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

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

Applicability

This tariff is applicable for Horticulture Nurseries in rural areas.

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

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

This tariff is applicable for Floriculture in Green Houses.

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

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

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

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

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

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

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

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.

(v) Regular consumers requiring temporary additional supply:

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

3. OTHER CHARGES FOR LT SUPPLY

3.1 Additional Charges for delayed payment

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

3.2 Service Connection Charges

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

3.3 Reconnections

(a) Low Tension Services.	
Category-IA (Overhead)	₹100
Other Category Services (Overhead)	₹100
Services with Under Ground cable	₹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.	₹20
(b) Meters	
A.C. Single Phase Energy meter	₹200
A.C. Three Phase Energy meter	₹500
Trivector meter	₹2500

3.5 Service calls

(a) Charges for attendance of LM/ALM/JLM for Low Tension Consumers	
i) Replacing of Licensees' cut out fuses	Nil
ii) Replacing of consumer's fuses	Rs. 5/-
(b) Charges for attendance of LM/ALM/JLM at the consumer's premises during any function or temporary illumination provided a LM/ALM/JLM can be spared for such work	Rs.100/- for each day or part thereof.
(c) Charges for infructuous visit of Licensee employees to the consumer's premises	Rs.25/- for each visit when there is no defect in Licensee's equipment

3.6 Miscellaneous Charges

(a) Application Registration Fees:	
(i) For Agricultural & Domestic categories	Rs. 50
(ii) For all other Categories	Rs.100
(b) Revision of estimates	Rs. 50
(c) Fee for re-rating of consumer's installation at the request of the consumer. (This does not include the additional charges payable by the consumer for increasing his connected load in excess of the contracted load, as provided in General Terms and Conditions of Supply).	Same as Application Registration Fee
(d) Resealing of	
(i) whole current meter	Rs. 25
(ii) CT operated meters and other apparatus in the consumer's premises for all other categories.	Rs.100

The aforesaid charges do not include the additional charges payable by the consumer for breaking the seals	
(e) For changing meter only at the request of the consumer (where it is not necessitated by increase in demand permanently)	Rs.50 for Single phase meter Rs.100 for Three phase meter
(f) For changing or moving a meter board	Actual cost of material and labour plus 25% supervision charges on cost of materials and labour

3.7 Customer Charges:

Consumer Category:	₹ / month
Category – I (A): Domestic	
0-30	25
31-75	30
76-125	45
126-225	50
226-400	55
>400	55
Category-II: COMMERCIAL & OTHERS:	
Category-II(A) (i): < 50 units per month	30
Category-II(A) (i): between 50 units to 100 units per month	40
Category-II(A) (i) More than 100 units	45
Category-II(A)(ii): Advertising Hoardings	50
Category-II(A)(iii): Function Halls / Auditoriums	50
Category-II(B): Start up power	500
Category-II(C): Electric Vehicles / Charging Stations	250
Category-III: INDUSTRY	
up to 20 HP	63
21 – 50 HP	250
51 – 100 HP	938
Category-IV: INSTITUTIONAL	
Category-IV(A): Utilities	35
Category-IV(B): General Purpose	45
All other Categories	30
Temporary Supply	50

- 3.8** Urgency charges for temporary supply at short notice -- Rs.200
- 3.9** Special rates chargeable for theft/pilferage and malpractice cases: As per the General Terms and Conditions of Supply (GTCS) approved by the Commission from time to time.
- 3.10** Supervision/Inspection & checking Charges for all Categories -- Rs.100

3.11 Miscellaneous works

The charges for any work which the Licensee may be required to undertake for the consumer and which is not included in the foregoing schedule, shall be the actual cost of labour and material plus 25% on cost of labour and material to cover overhead charges. The aforesaid charges shall be paid by the consumer in advance.

3.12 Maintenance of Power factor at consumer end

The consumer should not maintain less than 0.95 power factor on the leading side. If any consumer maintains the power factor of less than 0.95 lead for a period of 2 consecutive months, it must be brought back in the range of (+) or (-) 0.95 within a period of 3 months failing which without prejudice to such other rights as having accrued to the Licensees or any other right of the Licensees, the supply to the consumer may be discontinued. This condition is not applicable to the consumers whose connected load is less than 20 kW.

- 4.0** Grid support charges/parallel operation charges for FY2022-23 shall be collected from the applicable generators as per the conditions mentioned below:

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

PART 'B'**HIGH TENSION (HT) SUPPLY****4 HT TARIFFS – TERMS AND CONDITIONS**

These tariffs are applicable for supply of electricity to H.T. Consumers having contracted demand of 70 kVA and above and/or having a connected load exceeding 75kW/100 HP.

The applicability of the respective categories as enumerated is only illustrative but not exhaustive.

4.1 CATEGORY-I (B): TOWNSHIPS, COLONIES, GATED COMMUNITIES & VILLAS – HT Applicability

This tariff is applicable exclusively for

1. Townships and Residential Colonies of Cooperative Group Housing Societies, Gated Communities and Villas who avail supply at single point for making electricity available to the members of such Society residing in the same premises and individuals whose domestic connected load is more than what is permitted under the LT supply.
2. Any person who avails supply at single point at HT for making electricity available to his employees residing in contiguous premises, the supply in all cases being only for domestic purposes, such as lighting, fans, heating etc., provided that the connected load for common facilities such as non-domestic purpose in residential area, street lighting and water supply etc., shall be within the limits specified hereunder:

Water Supply & Sewerage and Street Light put together	10% of total connected load
Non-domestic/Commercial General purpose put together	10% of total connected load

Voltage of Supply	Demand Charges (₹ / kVA/month)	Energy Charges (₹/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 (₹/ kVA/month of Billing Demand)	Energy Charges (₹/kVAh)*
220 kV	475	6.65
132 kV	475	6.70
33 Kv	475	6.95
11 Kv	475	7.65
* Rs. 1/ kVAh Time of Day Tariff is leviable on energy consumption during the period from 06 PM to 10 PM in addition to the normal energy charges at respective voltages.		

SPECIFIC CONDITIONS

- (i) The billing demand shall be the Maximum Demand Recorded during the month or 80% of the contracted demand, whichever is higher.
- (ii) Energy charges will be billed on the basis of actual Energy consumption or 25 kVAh per kVA of Billing Demand, whichever is higher.

4.2.1.2 CATEGORY-II (A) (iii): FUNCTION HALLS / AUDITORIA – HT**Applicability**

The tariff is applicable for supply of electricity to function halls & auditoria, marriage halls, convention centers and the like.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	Nil	12.25

4.2.2 CATEGORY-II (B): STARTUP POWER – HT**Applicability**

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

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

The conditions applicable for Startup Power are as follows:

- (i) Supply is to be used strictly for generator start-up operations, maintenance and lighting purposes only.
- (ii) Allowable Maximum Demand shall be limited to the percentage (as given below) of the maximum capacity unit in the generating station in case of generators other than Wind and Solar, and of the plant capacity in case of Wind and Solar generator.

Thermal -15%, Gas based – 6%, Hydel – 3%, NCE Sources – 10%, Wind and Solar – 2%

- (iii) If the Maximum Demand exceeds the limits specified above, the energy charges shall be charged at 1.2 times of normal charge for the entire energy consumed.
- (iv) All other conditions applicable to Category II: Commercial & Others– HT shall also apply to the Category II(B): Startup Power–HT to the extent they are not contradictory to the above.
- (v) This category is also applicable to all the Wind and solar plants who have PPAs with the licensees.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	Nil	12.25

** Note: In respect of cogeneration Sugar plants, the billing shall be in accordance with the specific clauses of the power purchase agreements.*

4.2.3 CATEGORY-II (C): ELECTRIC VEHICLES / CHARGING STATIONS – HT

Applicability

The tariff is applicable for supply of electricity to Electric Vehicles and Charging Stations that will provide electricity for charging.

Voltage of Supply	Energy Charges (Rs./kVAh)
All Voltages	6.70

Note: The DISCOMs shall collect only 90 percent of the above tariff from the charging stations.

4.2.4 CATEGORY-II (D): GREEN POWER – HT

Applicability

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

Voltage of Supply	Energy Charges (Rs./kVAh)
All Voltages	12.25

Note:

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

4.3 CATEGORY – III: INDUSTRY – HT**4.3.1 CATEGORY-III (A): INDUSTRY (GENERAL) – HT****Applicability**

This tariff is applicable for supply to all consumers using electricity for industrial purpose. Industrial purpose shall mean manufacturing, processing and/or preserving goods for sale, but shall not include Shops, Business Houses, Offices, Public Buildings, Hospitals, Hotels, Hostels, Choultries, Restaurants, Clubs, Theatres, Cinemas, Printing Presses, Photo Studios, Research & Development Institutions, Airports, and other similar premises (The enumeration above is illustrative but not exhaustive) notwithstanding any manufacturing, processing or preserving goods for sale.

This tariff will also apply to:

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

Voltage of Supply	Demand Charges (Rs./ kVA/ month of Billing Demand)	Energy Charges (Rs./kVAh)
Industry, ToD (HGD) (Feb'23, Mar'23), (Apr- May'22) & (Sep'22-Oct'22)		
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'22-Aug'22) & (Nov'22-Jan'23)		
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 ₹7.00/kVAh.
- (ii) In case segregation of colony consumption has not been done, 15% of the total energy consumption shall be billed at ₹7.00/kVAh and the balance kVAh shall be charged at the corresponding energy tariff under Category-III(A): HT.
- (iii) Wherever possible, colonies of industry shall be given a separate HT service under Category-I(B): Townships, Colonies, Gated Communities and Villas– HT.

Specific Conditions

- (i) The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher.
- (ii) Energy charges will be billed on the basis of actual energy consumption or 50 kVAh per kVA of billing demand, whichever is higher.

4.3.2 CATEGORY-III (B): SEASONAL INDUSTRIES (OFF-SEASON) – HT**Applicability**

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

Voltage of Supply	Demand Charges (Rs./ kVA/month of BillingDemand*)	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 once 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 (₹/ kVA/month)	Energy Charges (₹/kVAh)
220 kV	Nil	4.90
132 kV	Nil	4.95
33 kV	Nil	5.35
11 kV	Nil	5.80

Specific Condition: Energy charges will be billed on the basis of actual energy consumption or 50 kVAh / kVA/month of contracted demand, whichever is higher.

4.4 CATEGORY-IV: INSTITUTIONAL – HT

4.4.1 CATEGORY-IV (A): Utilities – HT

Applicability

The tariff is applicable to energy consumption by H.T. services pertaining to Composite Protected Water Supply (PWS) Schemes operated and / or maintained by local bodies (Panchayats, Municipalities and Municipal Corporations). The composite PWS schemes shall be as defined and modified by the Commission from time to time.

Voltage of Supply	Demand Charges (₹/kVA/month)	Energy Charges (₹/kVAh)
220 kV	475	6.65
132 kV	475	6.70
33 kV	475	6.95
11 kV	475	7.65
Minimum charges: ₹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 (₹/kVA/month)	Energy Charges (₹/kVAh)
220 kV	475	6.95
132 kV	475	7.00
33 kV	475	7.25
11kV	475	7.95
Minimum charges: ₹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 (₹ /kVA/month)	Energy Charges (₹ /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 (₹ /kVA/month)	Energy Charges (₹ /kVAh)
220 kV	350	5.50
132 kV	350	5.50

Specific Conditions

- (i) The billing demand shall be the maximum demand recorded during the month or 80% of the contracted demand whichever is higher.
- (ii) Energy charges will be billed on the basis of actual energy Consumption or 32 kVAh per kVA per month of Contracted Demand whichever is higher.

4.5 AGRICULTURE & RELATED**4.5.1 CATEGORY-V (B): AQUA CULTURE & ANIMAL HUSBANDRY – HT****Applicability**

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

Voltage of Supply	Demand Charges (₹ /kVA/month)	Energy Charges (₹ /kVAh)
All Voltages	30	3.85

Specific Conditions

Energy charges will be billed on the basis of actual energy consumption or 40kVAh/kVA per Month of Contracted Demand, whichever is higher.

4.5.2 CATEGORY-V (E): GOVERNMENT / PRIVATE LIFT IRRIGATION SCHEMES – HT**Applicability**

This tariff is applicable to Lift Irrigation Schemes managed by Government of A.P. and for consumers availing HT supply for irrigation.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	NIL	7.15

Note: Metering is mandatory

5. TEMPORARY SUPPLY – HT

There is no separate category for temporary supply. However, Temporary supply can be released against each category with respective terms and conditions applicable and it shall be billed energy charges @ 1.5 times and same fixed charges of corresponding category.

Voltage of Supply	Demand Charges (Rs./kVA/month)	Energy Charges (Rs./kVAh)
All Voltages	Demand charges of corresponding category	1.5 times of the corresponding HT consumer Category

Specific Conditions for release of HT Temporary Supply

- (i) Requests for temporary supply of energy cannot normally be considered unless there is a clear notice of three months.

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

demand 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 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 (LILO) 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 fulfillment 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 fulfillment of following conditions:

- (i) 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.
- (ii) 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.
- (iii) 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.

- (iv) 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.

8.0 Grid support charges/parallel operation charges for FY2022-23 shall be collected from the applicable generators as per the conditions mentioned below:

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

- 285.** 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.
- 286.** The above determined rates for “Category I (A): Domestic-LT” (APCPDCL) & “Category V: Agriculture & Others-LT” consumers, for all the three licensees are contingent on payment of subsidy as agreed by the GoAP, failing which, the rates contained in the full cost recovery tariff schedule (Chapter-IX of this order) will become operative.
- 287.** The rates indicated in the Retail Supply Tariff Schedule for FY2022-23 together with the terms and conditions prescribed thereunder shall be applicable in the areas of operation of 3 (three) Distribution Companies viz. Eastern Power Distribution Company of A.P. Limited (APEPDCL) and Southern Power Distribution Company of A.P. Limited (APSPDCL) and Andhra Pradesh Central Power Corporation Ltd (APCPDCL) w.e.f. 01-04-2022 to 31-03-2023.

CHAPTER – XI

CROSS SUBSIDY SURCHARGE AND ADDITIONAL SURCHARGE

Introduction

- 288.** Sections 39(2) (d) (ii) and 40(c) (ii) of the Electricity Act, 2003 (hereinafter referred to as ‘the Act’) provide for payment of a Surcharge (hereinafter referred to as ‘the Cross Subsidy Surcharge’) when a transmission system is used for open access for supply of electricity to a consumer. Section 42(2) of the Act provides for payment of the surcharge in addition to the wheeling charges as determined by the State Commission. As per these provisions, the Cross-Subsidy Surcharge has to be levied on the open access consumers, which is to be utilized to meet the requirements of the current level of cross subsidy.
- 289.** 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

- 290.** The three distribution licensees viz., Southern Power Distribution Company of A.P. Ltd. (APSPDCL), Eastern Power Distribution Company of A.P. Ltd (APEPDCL) and Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL), along with ARR & Tariff filings for determination of tariff for the retail sale of electricity for FY2022-23, have submitted the proposals for determination of Cross Subsidy Surcharge (CSS for short), stated to be based on the formula specified in the National Tariff Policy, 2016. The CSS proposals filed by the Licensees for different categories of consumers are shown in the tables below:

Table 83: Filing - APSPDCL - Cross Subsidy Surcharges for FY2022-23

Category			Average Revenue Realization (Only Demand & Energy Charges)	Per Unit Cost of Power Purchase	Wheeling Charges	Applicable Loss	Cost of Regulatory Asset	CSS (Rs./Unit)	20 % of Average Revenue Realization	Applicable CSS (Rs./Unit)
11 KV										
I	B	Townships & Colonies	7.46	4.13	1.22	10.18%	0	1.64	1.49	1.49
II	A	Commercial & Others	10.93	4.13	1.22	10.18%	0	5.11	2.19	2.19
II	iv	Function Halls/Auditoriums	12.25	4.13	1.22	10.18%	0	6.43	2.45	2.45
II	B	Start up power	12.25	4.13	1.22	10.18%	0	6.43	2.45	2.45
II	D	Green Power	12.25	4.13	1.22	10.18%	0	6.43	2.45	2.45
III	A	Industrial General	8.74	4.13	1.22	10.18%	0	2.92	1.75	1.75
III	B	Seasonal Industries	12.98	4.13	1.22	10.18%	0	7.16	2.60	2.60
III	C	Energy Intensive	5.80	4.13	1.22	10.18%	0	0.00	1.16	0.00
IV	A	CPWS	10.28	4.13	1.22	10.18%	0	4.46	2.06	2.06
IV	B	General Purpose	11.59	4.13	1.22	10.18%	0	5.77	2.32	2.32
IV	C	Religious Places	5.22	4.13	1.22	10.18%	0	0.00	1.04	0.00
V	B	Aqua and Animal Husbandry	4.05	4.13	1.22	10.18%	0	0.00	0.81	0.00
V	E	Govt./ Pvt. Lift Irrigation	7.15	4.13	1.22	10.18%	0	1.33	1.43	1.33
33 KV										
I	B	Townships & Colonies	7.26	4.13	0.50	7.08%	0	2.31	1.45	1.45
II	A	Commercial & Others	13.01	4.13	0.50	7.08%	0	8.06	2.60	2.60
II	iv	Function Halls/Auditoriums	0.00	4.13	0.50	7.08%	0	0.00	0.00	0.00
II	B	Start up power	12.25	4.13	0.50	7.08%	0	7.30	2.45	2.45
II	D	Green Power	12.25	4.13	0.50	7.08%	0	7.30	2.45	2.45
III	A	Industrial General	7.37	4.13	0.50	7.08%	0	2.42	1.47	1.47
III	B	Seasonal Industries	28.87	4.13	0.50	7.08%	0	23.91	5.77	5.77
III	C	Energy Intensive	5.35	4.13	0.50	7.08%	0	0.40	1.07	0.40
IV	A	CPWS	8.53	4.13	0.50	7.08%	0	3.58	1.71	1.71
IV	B	General Purpose	10.54	4.13	0.50	7.08%	0	5.59	2.11	2.11
IV	C	Religious Places	5.13	4.13	0.50	7.08%	0	0.17	1.03	0.17
V	B	Aqua and Animal Husbandry	0.00	4.13	0.50	7.08%	0	0.00	0.00	0.00
V	E	Govt./ Pvt. Lift Irrigation	7.15	4.13	0.50	7.08%	0	2.20	1.43	1.43
132 KV										
I	B	Townships & Colonies	0.00	4.13	0.40	4.00%	0	0.00	0.00	0.00
II	A	Commercial & Others	9.20	4.13	0.40	4.00%	0	4.50	1.84	1.84
II	iv	Function Halls/Auditoriums	0.00	4.13	0.40	4.00%	0	0.00	0.00	0.00
II	B	Start up power	12.25	4.13	0.40	4.00%	0	7.55	2.45	2.45
II	D	Green Power	0.00	4.13	0.40	4.00%	0	0.00	0.00	0.00
III	A	Industrial General	6.68	4.13	0.40	4.00%	0	1.97	1.34	1.34
III	B	Seasonal Industries	0.00	4.13	0.40	4.00%	0	0.00	0.00	0.00
III	C	Energy Intensive	4.95	4.13	0.40	4.00%	0	0.25	0.99	0.25
IV	A	CPWS	0.00	4.13	0.40	4.00%	0	0.00	0.00	0.00
IV	B	General Purpose	0.00	4.13	0.40	4.00%	0	0.00	0.00	0.00
IV	C	Religious Places	0.00	4.13	0.40	4.00%	0	0.00	0.00	0.00
IV	D	Railway Traction	7.58	4.13	0.40	4.00%	0	2.87	1.52	1.52
V	B	Aqua and Animal Husbandry	0.00	4.13	0.40	4.00%	0	0.00	0.00	0.00
V	E	Govt./ Pvt. Lift Irrigation	7.15	4.13	0.40	4.00%	0	2.45	1.43	1.43

Table 84: Filing - APEPDCL - Cross Subsidy Surcharges for FY 2022-23

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										
11 kv										
I	B	Townships, Colonies, Gated Communities and Villas	7.36	4.11	1.12	9.50%	0.00	1.70	1.47	1.47
II	A (ii)	Commercial Major	11.36	4.11	1.12	9.50%	0.00	5.69	2.27	2.27
II	A (iv)	Function Halls/Auditoriums	12.25	4.11	1.12	9.50%	0.00	6.59	2.45	2.45
II	B	Startup Power	12.25	4.11	1.12	9.50%	0.00	6.59	2.45	2.45
III	A	Industrial General	8.51	4.11	1.12	9.50%	0.00	2.85	1.70	1.70
III	B	Seasonal Industries	7.00	4.11	1.12	9.50%	0.00	1.34	1.40	1.34
IV	A	Utilities	9.52	4.11	1.12	9.50%	0.00	3.86	1.90	1.90
IV	B	General Purpose	12.90	4.11	1.12	9.50%	0.00	7.24	2.58	2.58
V	E	Government / Private Lift Irrigation Schemes	7.15	4.11	1.12	9.50%	0.00	1.49	1.43	1.43
33 kv										
I	B	Townships, Colonies, Gated Communities and Villas	7.29	4.11	0.47	6.65%	0.00	2.42	1.46	1.46
II	A (ii)	Commercial Major	10.19	4.11	0.47	6.65%	0.00	5.32	2.04	2.04
II	B	Startup Power	12.25	4.11	0.47	6.65%	0.00	7.38	2.45	2.45
III	A	Industrial General	7.38	4.11	0.47	6.65%	0.00	2.51	1.48	1.48
III	B	Seasonal Industries	8.95	4.11	0.47	6.65%	0.00	4.08	1.79	1.79
III	C	Energy Intensive Industries	5.35	4.11	0.47	6.65%	0.00	0.48	1.07	0.48
IV	B	General Purpose	7.25	4.11	0.47	6.65%	0.00	2.38	1.45	1.45
V	E	Government / Private Lift Irrigation Schemes	7.15	4.11	0.47	6.65%	0.00	2.28	1.43	1.43
132 kv										
II	A (ii)	Commercial Major	9.35	4.11	0.39	4.00%	0.00	4.68	1.87	1.87
II	B	Startup Power	12.25	4.11	0.39	4.00%	0.00	7.58	2.45	2.45
III	A	Industrial General	7.36	4.11	0.39	4.00%	0.00	2.69	1.47	1.47
III	C	Energy Intensive Industries	4.95	4.11	0.39	4.00%	0.00	0.28	0.99	0.28
IV	D	Railway Traction	6.85	4.11	0.39	4.00%	0.00	2.18	1.37	1.37
V	E	Government / Private Lift Irrigation Schemes	7.15	4.11	0.39	4.00%	0.00	2.48	1.43	1.43

Table 85: Filing - APCPDCL - Cross Subsidy Surcharges for FY2022-23

Cat.	Sub-Cat.	HT-Category	Average Revenue Realization (Only Demand & Energy Charges) (T)	Per Unit Cost of Power Purchase (C)	Wheeling Charges (D)	Applicable Loss (L)	Cost of Regulatory Asset (R)	CSS (Rs./ Unit) (S)	20 % of Average Revenue Realization	Applicable CSS (Rs./ Unit)
		11KV								
I	B	Townships & Colonies	7.65	4.15	1.22	9.93	0.00	1.83	1.53	1.53
II	A	Commercial & Others	11.60	4.15	1.22	9.93	0.00	5.78	2.32	2.32
II	A	Function Halls	12.25	4.15	1.22	9.93	0.00	6.43	2.45	2.45
II	B	Startup power	12.25	4.15	1.22	9.93	0.00	6.43	2.45	2.45
II	D	Green Power	12.25	4.15	1.22	9.93	0.00	6.43	2.45	2.45
III	A	Industrial General	8.58	4.15	1.22	9.93	0.00	2.76	1.72	1.72
III	B	Seasonal Industries	15.90	4.15	1.22	9.93	0.00	10.08	3.18	3.18
IV	A	Utilities	9.42	4.15	1.22	9.93	0.00	3.59	1.88	1.88
IV	B	General Purpose	10.88	4.15	1.22	9.93	0.00	5.06	2.18	2.18
V	E	Govt./ Pvt. Lift Irrigation	7.15	4.15	1.22	9.93	0.00	1.33	1.43	1.33
		33 KV								
I	B	Townships & Colonies	7.66	4.15	0.50	6.99	0.00	2.69	1.53	1.53
II	A	Commercial & Others	9.64	4.15	0.50	6.99	0.00	4.68	1.93	1.93
II	B	Startup power	12.25	4.15	0.50	6.99	0.00	7.29	2.45	2.45
III	A	Industrial General	7.13	4.15	0.50	6.99	0.00	2.16	1.43	1.43
III	B	Seasonal Industries	9.15	4.15	0.50	6.99	0.00	4.19	1.83	1.83
IV	B	General Purpose	10.79	4.15	0.50	6.99	0.00	5.82	2.16	2.16
V	E	Govt./ Pvt. Lift Irrigation	7.15	4.15	0.50	6.99	0.00	2.19	1.43	1.43
		132 KV								
III	A	Industrial General	6.82	4.15	0.40	4.00	0.00	2.10	1.36	1.36
IV	D	Railway Traction	6.93	4.15	0.40	4.00	0.00	2.21	1.39	1.39
V	E	Govt./ Pvt. Lift Irrigation	7.15	4.15	0.40	4.00	0.00	2.43	1.43	1.43

Views/Objections/Suggestions

291. Amara Raja batteries Limited, TGV SRAAC Ltd, and the Andhra Sugars Ltd have requested the Commission to review the present cross subsidy surcharge in respect

of EHT Consumers, since the proposed Cross Subsidy Surcharge is on higher side for 132 kV Consumers, and declare a plan for a progressive reduction of the CSS in a short span of time. **TGV SRAAC Ltd and Andhra Sugars Ltd** have also pointed out that the CSS is different from DISCOM to DISCOM. Further, **Amara Raja batteries Limited** has requested the Commission to withdraw the mention of additional surcharge in the Tariff Order until the same is defined in line with section 42 of the Electricity Act, 2003.

DISCOMs' Response: That the proposals for Cross Subsidy Surcharge (CSS) with a capping of 20% for FY 2022-23 have been filed before the APERC in accordance with the National Tariff Policy (NTP) 2016, issued by the Govt. of India. The CSS differs from DISCOM to DISCOM due to variations in per unit average revenue realization, the average cost of power purchase, transmission, distribution charges & losses.

- 292. Srikalahasthi Pipes Ltd** has stated that while calculating the CSS, APSPDCL has included the demand charges in the value of T. That, the demand charges are fixed charges payable by the consumer on contracted demand irrespective of the quantum of drawl of power from DISCOMs. That, when the consumer draws power through open access, the consumer continues to pay the demand charges as before, and thus there is no opportunity loss to DISCOMs on this account. Therefore, the objector stated that the inclusion of demand charges in the value of T would amount to the recovery of demand charges twice, i.e. one through billing as demand charges and the other on the units purchased through open access through CSS from the consumer.

APSPDCL's Response: That the proposals for Cross Subsidy Surcharge (CSS) with a capping of 20% for FY 2022-23 are filed before the APERC in accordance with the National Tariff Policy (NTP) 2016, Govt. of India. That the consumer has filed an Appeal before the APTEL on the issue of inclusion of demand charges in the value of 'T' and hence the matter is subjudice.

- 293. Sri Surya Prakash Rao** has stated that while CSS for Open Access consumers is limited to 20% of the tariff, there is no limitation on the CS component in the tariffs of subsidizing categories. The filings of APSPDCL on CSS reveal that 11 kV industrial-general consumers contribute a Cross Subsidy of Rs.2.92/unit, while CSS for OA consumers is capped at Rs.1.75 as per Tariff Policy, 2016. Therefore, the objector requested the Commission to initiate steps to specify a trajectory for the reduction of cross subsidy in tariffs and CSS for OA as required u/s 181(2)(p) r/w 3rd proviso of Sec.42 (2) of the Act in the interest of tariff rationalization.
- 294. Sri M.Venugopal Rao** has stated that the DISCOMs have proposed cross subsidy @ 20% of per unit cost of power purchase and wheeling charges. Therefore, he requested the Commission to approve the proposals of the DISCOMs after verifying the veracity of the charges shown by the DISCOMs.

Commission's View, Analysis and Decision:

- 295.** The limitations imposed by the statute and the Tariff Policy are strictly followed by the Commission in letter and spirit while determining the CSS. Regarding the repeated objection of Srikalahasthi Pipes Ltd., every year, the Commission reiterates its earlier view as follows.

That as per Section 8.5 of National Tariff Policy, 2016, cross subsidy surcharge formula is given below:

$$S = T - [C / (1 - L/100) + D + R]$$

Where

'T' is the tariff payable by the relevant category of consumers, including the Renewable Purchase Obligation. Indisputably, tariff consists of two parts, namely, demand and energy charges. The formula has not excluded the demand part for calculating the Cross-Subsidy Surcharge. Therefore, the Cross-Subsidy Surcharge calculated by the DISCOMs strictly in accordance with the NTP-2016 formula does not suffer from any error requiring the Commission's intervention. For the contracted demand with DISCOM, the consumer has to pay minimum demand charges as stipulated to meet the fixed cost obligation of the DISCOMs. For the open access consumption, applicable charges as per statute need to be paid. The objector's contention that the inclusion of demand charges in the value of 'T' in the computation of CSS would amount to the recovery of demand charges from the consumers twice, is devoid of any basis. As regards one of the objector's suggestions to initiate steps to specify a trajectory for reduction of cross subsidy in tariffs and CSS for OA, the Commission has examined the cross subsidy computed as per formula and approved by the Commission from FY2018-19 to FY2020-21 in respect of Cat-III: Industry General category details of which are shown below:

APSPDCL:

Voltage level	FY 2018-19		FY 2019-20		FY 2020-21	
	As per Formula	Actually approved	As per Formula	Actually approved	As per Formula	Actually approved
11 KV	3.63	1.77	3.32	1.83	2.94	1.87
33 KV	2.41	1.42	2.47	1.47	1.79	1.48
132 KV	2.23	1.35	1.96	1.33	1.39	1.35

APEPDCL:

Voltage level	FY 2018-19		FY 2019-20		FY 2020-21	
	As per Formula	Actually approved	As per Formula	Actually approved	As per Formula	Actually approved
11 KV	2.82	1.61	3.32	1.83	2.01	1.64
33 KV	2.58	1.44	2.47	1.47	1.77	1.46
132 KV	2.55	1.41	1.96	1.33	2.06	1.47

As can be seen from the above, the cross subsidy component has come down significantly, though the Commission had not specified any trajectory. However, the suggestion of the objector will be examined in depth keeping in view the proposed amendments to the Electricity Act, 2003 by the Central Government. As regards the additional surcharge, the DISCOMs have not submitted any proposals in their present filings.

Determination of CSS

- 296.** The Commission has decided to follow the formula specified in the National Tariff Policy, 2016 for determining CSS. As per the said Tariff Policy, the Cross Subsidy Surcharge is to be computed as per the following formula;

$$S = T - [C / (1 - L/100) + D + R]$$

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 part 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 consumers 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											
11Kv											
I	(B)	Townships, Colonies, Gated Communities and Villas	14.36	10.21	27.16	10.71	7.81	20.00	7.46	7.65	7.36
II	(A)	Commercial	270.18	276.64	524.65	295.26	320.90	595.75	10.93	11.60	11.36
II	(A)	Function Halls/Auditoriums	3.04	9.96	8.77	3.72	12.20	10.74	12.25	12.25	12.25
II	(B)	Start up power	0.25	0.03	0.07	0.31	0.04	0.08	12.25	12.25	12.25
II	(D)	Green Power	0.18	0.20	0.00	0.22	0.25	0.00	12.25	12.25	0.00
III	(A)	Industrial General	995.39	1094.27	1535.58	874.22	940.37	1313.13	8.78	8.59	8.55
III	(B)	Seasonal Industries	6.19	2.04	14.92	8.04	3.25	20.10	12.98	15.92	13.47
III	(C)	Energy Intensive Industries	1.64	0.81	0.00	0.95	0.47	0.00	5.80	5.80	0.00
IV	(A)	Utilities Major(Composite Protected Water Supply Schemes/PWS)	38.57	22.44	121.11	39.64	21.13	115.28	10.28	9.42	9.52
IV	(B)	General Purpose	42.54	36.27	28.29	49.29	39.47	36.50	11.59	10.88	12.90
IV	(C)	Religious Places	4.30	2.03	5.80	2.24	1.06	3.01	5.22	5.20	5.19
V	(B)	Aquaculture and Animal Husbandry	20.56	20.72	27.88	8.33	8.41	11.20	4.05	4.06	4.02
V	(E)	Government / Private Lift Irrigation	11.11	42.45	18.20	7.94	30.35	13.02	7.15	7.15	7.15
33 kV											
I	(B)	Townships, Colonies, Gated Communities and Villas	4.87	2.78	12.83	3.54	2.13	9.35	7.26	7.66	7.29
II	(A)	Commercial	18.45	87.95	188.94	24.02	84.78	192.52	13.02	9.64	10.19
II	(B)	Start up power	36.60	2.75	13.38	44.84	3.37	16.39	12.25	12.25	12.25
II	(D)	Green Power	0.41	0.00	0.00	0.50	0.00	0.00	12.25	0.00	0.00
III	(A)	Industrial General	1958.34	1656.63	1799.85	1476.44	1200.01	1347.20	7.54	7.24	7.49
III	(B)	Seasonal Industries	0.21	0.65	12.97	0.27	0.59	11.60	12.72	9.14	8.95
III	(C)	Energy Intensive Industries	210.94	0.00	287.82	112.85	0.00	153.98	5.35	0.00	5.35

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
IV	(A)	Utilities Major(Composite Protected Water Supply Schemes/PWS)	74.77	0.00	0.15	63.79	0.00	0.32	8.53	0.00	21.20
IV	(B)	General Purpose	3.51	18.83	0.80	3.70	20.31	0.58	10.55	10.79	7.25
IV	(C)	Religious Places	20.13	0.00	0.00	10.32	0.00	0.00	5.13	0.00	0.00
V	(E)	Government Private Lift Irrigation	119.93	35.03	59.67	85.75	25.05	42.67	7.15	7.15	7.15
132 kV											
II	(A)	Commercial	33.64	0.00	34.30	30.96	0.00	42.95	9.20	0.00	12.52
II	(B)	Start up power	6.37	0.00	2.91	7.80	0.00	3.56	12.25	0.00	12.25
III	(A)	Industrial General	1976.13	461.27	1056.89	1348.76	319.77	745.57	6.83	6.93	7.05
III	(C)	Energy Intensive Industries	405.79	0.00	1838.49	200.87	0.00	910.05	4.95	0.00	4.95
IV	(D)	Railway Traction	507.69	346.66	819.89	377.72	240.22	561.40	7.44	6.93	6.85
V	(E)	Government Private Lift Irrigation	354.31	0.90	0.00	253.33	0.64	0.00	7.15	7.15	0.00
220 kV											
II	(A)	Commercial	0.00	0.00	80.31	0.00	0.00	63.82	0.00	0.00	7.95
II	(B)	Start up power	1.61	0.00	0.24	1.97	0.00	0.29	12.25	0.00	12.25
III	(A)	Industrial General	273.01	0.00	479.52	193.83	0.00	403.19	7.10	0.00	8.41
III	(C)	Energy Intensive Industries	0.00	0.00	1110.90	0.00	0.00	544.34	0.00	0.00	4.90
IV	(D)	Railway Traction	67.74	0.00	0.00	58.26	0.00	0.00	8.60	0.00	0.00
V	(E)	Government Private Lift Irrigation	1809.78	0.00	126.42	1293.99	0.00	90.39	7.15	0.00	7.15

- (iii) 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 FY2022-23 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	28868.49	12691	4.40
APEPDCL	26,970.82	11,443.39	4.24
APCPDCL	17,089.60	7,253.54	4.24

(iii) Computation of 'D' (the aggregate of transmission, distribution and wheeling charge applicable to the relevant voltage level (Rs/unit)):

Step1: Applicable wheeling charges at various voltage levels & Transmission charges as approved in MYT tariff orders and PGCIL charges as approved for FY2022-23 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	173.79	75.44	514.76
APEPDCL	173.79	59.51	467.43
APCPDCL	173.79	75.44	514.76

PGCIL Charges:

Network	PGCIL charges (Rs. Crs.)	Total PPR for FY2022-23 (MU)
APSPDCL	328.17	28868.49
APEPDCL	293.93	26,970.82
APCPDCL	189.40	17,089.60

Step 2: The per unit value of Wheeling and/or Transmission and PGCIL charges are arrived at by using the formulae shown below:

(i) Wheeling or Transmission Charge (Rs/kW/month)/720 (30*24)

(ii) PGCIL Charges (Cr.)*10/PPR (MU)

Accordingly, the per unit values of Wheeling, Transmission and PGCIL charges computed are shown below:

Network	PGCIL Charges (Rs./kWh)	220kV (Rs./kWh)	132kV (Rs./kWh)	33kV (Rs./kWh)	11kV (Rs./kWh)
APSPDCL	0.11	0.24	0.24	0.11	0.71
APEPDCL	0.11	0.24	0.24	0.08	0.65
APCPDCL	0.11	0.24	0.24	0.11	0.71

Step 3: The aggregate of transmission, distribution and wheeling charge applicable to the relevant voltage level (Rs/unit) computed for each licensee as per step 1 and step 2 is as shown below:

APSPDCL:

Sl.No	Voltage level	Rs./Unit	Aggregate of transmission, distribution and wheeling charge	
1	11kV	0.71	(1+2+3+5)	1.17
2	33kV	0.11	(2+3+5)	0.46
3	132kV	0.24	(3+5)	0.35
4	200 kV	0.24	(4+5)	0.35
5	PGCIL	0.11		

APEPDCL:

Sl. No	Voltage level	Rs./Unit	Aggregate of transmission, distribution and wheeling charge	
1	11kV	0.65	(1+2+3+5)	1.08
2	33kV	0.08	(2+3+5)	0.43
3	132kV	0.24	(3+5)	0.35
4	200 kV	0.24	(4+5)	0.35
5	PGCIL	0.11		

APCPDCL:

Sl.No	Voltage level	Rs./Unit	Aggregate of transmission, distribution and wheeling charge	
1	11kV	0.71	(1+2+3+5)	1.17
2	33kV	0.11	(2+3+5)	0.46
3	132kV	0.24	(3+5)	0.35
4	200 kV	0.24	(4+5)	0.35
5	PGCIL	0.11		

(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	3.17%	3.05%	3.12%	9.05%
For 33kV Consumer	3.17%	3.05%	0.00%	6.12%
For 132 kV and 220kV consumer	3.17%	0.00%	0.00%	3.17%

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	3.17%	2.76%	2.53%	8.22%
For 33kV Consumer	3.17%	2.76%	0.00%	5.84%
For 132 kV and 220 kV consumer	3.17%	0.00%	0.00%	3.17%

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	3.17%	3.05%	3.12%	9.05%
For 33kV Consumer	3.17%	3.05%	0.00%	6.12%
For 132 kV and 220 kV consumer	3.17%	0.00%	0.00%	3.17%

(v) **Computation of 'R'** (Unit cost of carrying regulatory assets (Rs/unit)): As there is no regulatory asset, its value is zero.

297. 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 FY2022-23 licensee wise, duly limiting it to + 20 percent of tariff payable by the respective category of consumers wherever CSS arrived by formula is more than 20 percent of Tariff. Accordingly, the CSS applicable for different categories of consumers for FY2022-23 in each license area is shown in the tables below:

Table 86: Approved - APSPDCL - Cross Subsidy Surcharges for FY2022-23

Consumer Categories		Average Realization (Excluding Customer Charges, Minimum Charges, NTI, DPS) (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									
		11kV							
I	(B)	Townships, Colonies, Gated Communities and Villas	7.46	4.40	1.17	9.05%	0.00	1.45	1.45
II	(A)	Commercial	10.93	4.40	1.17	9.05%	0.00	4.92	2.19
II	(A)	Function Halls/Auditoriums	12.25	4.40	1.17	9.05%	0.00	6.25	2.45
II	(B)	Start up power	12.25	4.40	1.17	9.05%	0.00	6.25	2.45
II	(D)	Green Power	12.25	4.40	1.17	9.05%	0.00	6.25	2.45
III	(A)	Industrial General	8.78	4.40	1.17	9.05%	0.00	2.78	1.76
III	(B)	Seasonal Industries	12.98	4.40	1.17	9.05%	0.00	6.98	2.60
IV	(A)	Utilities -Major (Composite Protected Water Supply Schemes/PWS)	10.28	4.40	1.17	9.05%	0.00	4.27	2.06
IV	(B)	General Purpose	11.59	4.40	1.17	9.05%	0.00	5.58	2.32
V	(E)	Government / Private Lift Irrigation	7.15	4.40	1.17	9.05%	0.00	1.15	1.15
		33 kV							
I	(B)	Townships, Colonies, Gated Communities and Villas	7.26	4.40	0.46	6.12%	0.00	2.12	1.45
II	(A)	Commercial	13.02	4.40	0.46	6.12%	0.00	7.87	2.60
II	(B)	Start up power	12.25	4.40	0.46	6.12%	0.00	7.11	2.45

Consumer Categories			Average Realization (Excluding Customer Charges, Minimum Charges, NTI, DPS) (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	$S=T-[C/(1-L/100)+D+R]$	$A=0.2*T$	$CSS=Less\ of\ S\ and\ A$
II	(D)	Green Power	12.25	4.40	0.46	6.12%	0.00	7.11	2.45	2.45
III	(A)	Industrial General	7.54	4.40	0.46	6.12%	0.00	2.40	1.51	1.51
III	(B)	Seasonal Industries	12.72	4.40	0.46	6.12%	0.00	7.58	2.54	2.54
III	(C)	Energy Intensive Industries	5.35	4.40	0.46	6.12%	0.00	0.21	1.07	0.21
IV	(A)	Utilities -Major (Composite Protected Water Supply Schemes/PWS)	8.53	4.40	0.46	6.12%	0.00	3.39	1.71	1.71
IV	(B)	General Purpose	10.55	4.40	0.46	6.12%	0.00	5.40	2.11	2.11
V	(E)	Government / Private Lift Irrigation	7.15	4.40	0.46	6.12%	0.00	2.01	1.43	1.43
		132 kV								
II	(A)	Commercial	9.20	4.40	0.35	3.17%	0.00	4.31	1.84	1.84
II	(B)	Start-up power	12.25	4.40	0.35	3.17%	0.00	7.36	2.45	2.45
III	(A)	Industrial General	6.83	4.40	0.35	3.17%	0.00	1.94	1.37	1.37
III	(C)	Energy Intensive Industries	4.95	4.40	0.35	3.17%	0.00	0.06	0.99	0.06
IV	(D)	Railway Traction	7.44	4.40	0.35	3.17%	0.00	2.55	1.49	1.49
V	(E)	Government / Private Lift Irrigation	7.15	4.40	0.35	3.17%	0.00	2.26	1.43	1.43
		220 kV								
II	(B)	Start-up power	12.25	4.40	0.35	3.17%	0.00	7.36	2.45	2.45
III	(A)	Industrial General	7.10	4.40	0.35	3.17%	0.00	2.21	1.42	1.42
IV	(D)	Railway Traction	8.60	4.40	0.35	3.17%	0.00	3.71	1.72	1.72
V	(E)	Government / Private Lift Irrigation	7.15	4.40	0.35	3.17%	0.00	2.26	1.43	1.43

Table 87: Approved - APEPDCL - Cross Subsidy Surcharges for FY2022-23

Consumer Categories		Average Realization (Excluding Customer Charges, Minimum Charges, NTI, DPS) (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									
		11kV							
I	(B)	Townships, Colonies, Gated Communities and Villas	7.36	4.24	1.08	8.22%	0.00	1.66	1.47
II	(A)	Commercial	11.36	4.24	1.08	8.22%	0.00	5.65	2.27
II	(A)	Function Halls/Auditoriums	12.25	4.24	1.08	8.22%	0.00	6.54	2.45
II	(B)	Start up power	12.25	4.24	1.08	8.22%	0.00	6.54	2.45
III	(A)	Industrial General	8.55	4.24	1.08	8.22%	0.00	2.85	1.71
III	(B)	Seasonal Industries	13.47	4.24	1.08	8.22%	0.00	7.76	2.69
IV	(A)	Utilities - Major(Composite Protected Water Supply Schemes/PWS)	9.52	4.24	1.08	8.22%	0.00	3.81	1.90
IV	(B)	General Purpose	12.90	4.24	1.08	8.22%	0.00	7.20	2.58
V	(E)	Government / Private Lift Irrigation	7.15	4.24	1.08	8.22%	0.00	1.44	1.43
		33 kV							
I	(B)	Townships, Colonies, Gated Communities and Villas	7.29	4.24	0.43	5.84%	0.00	2.35	1.46
II	(A)	Commercial	10.19	4.24	0.43	5.84%	0.00	5.25	2.04
II	(B)	Start up power	12.25	4.24	0.43	5.84%	0.00	7.31	2.45
III	(A)	Industrial General	7.49	4.24	0.43	5.84%	0.00	2.54	1.50
III	(B)	Seasonal Industries	8.95	4.24	0.43	5.84%	0.00	4.01	1.79
III	(C)	Energy Intensive Industries	5.35	4.24	0.43	5.84%	0.00	0.41	1.07
IV	(A)	Utilities -Major (Composite Protected Water Supply Schemes/PWS)	21.20	4.24	0.43	5.84%	0.00	16.26	4.24
IV	(B)	General Purpose	7.25	4.24	0.43	5.84%	0.00	2.31	1.45

Consumer Categories			Average Realization (Excluding Customer Charges, Minimum Charges, NTI, DPS) (Rs./unit)	Per unit Weighted Average cost of Power Purchase (Rs./unit)	Transmission, Distribution and Wheeling Charges (Rs./unit)	Applicable Loss%	Carrying Cost of Regulatory Asset (Rs./unit)	Cross Subsidy Surcharge (Rs./unit)	20% of Average Realization	CSS as per APERC (Rs./unit)
			T	C	D	L	R	$S=T-[C/(1-L/100)+D+R]$	$A=0.2*T$	$CSS=Lesser\ of\ S\ and\ A$
V	(E)	Government / Private Lift Irrigation	7.15	4.24	0.43	5.84%	0.00	2.21	1.43	1.43
		132 kV								
II	(A)	Commercial	12.52	4.24	0.35	3.17%	0.00	7.79	2.50	2.50
II	(B)	Start up power	12.25	4.24	0.35	3.17%	0.00	7.52	2.45	2.45
III	(A)	Industrial General	7.05	4.24	0.35	3.17%	0.00	2.32	1.41	1.41
III	(C)	Energy Intensive Industries	4.95	4.24	0.35	3.17%	0.00	0.22	0.99	0.22
	(D)	Railway Traction	6.85	4.24	0.35	3.17%	0.00	2.11	1.37	1.37
		220 kV								
II	(A)	Commercial	7.95	4.24	0.35	3.17%	0.00	3.21	1.59	1.59
II	(B)	Start up power	12.25	4.24	0.35	3.17%	0.00	7.52	2.45	2.45
III	(A)	Industrial General	8.41	4.24	0.35	3.17%	0.00	3.67	1.68	1.68
III	(C)	Energy Intensive Industries	4.90	4.24	0.35	3.17%	0.00	0.17	0.98	0.17
V	(E)	Government / Private Lift Irrigation	7.15	4.24	0.35	3.17%	0.00	2.42	1.43	1.43

Table 88: Approved - APCPDCL - Cross Subsidy Surcharges for FY2022-23

Consumer Categories			Average Realization (Excluding Customer Charges, Minimum Charges, NTI, DPS) (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										
		11kV								
I	(B)	Townships, Colonies, Gated Communities and Villas	7.65	4.24	1.17	9.05%	0.00	1.82	1.53	1.53
II	(A)	Commercial	11.60	4.24	1.17	9.05%	0.00	5.76	2.32	2.32
II	(A)	Function Halls/Auditoriums	12.25	4.24	1.17	9.05%	0.00	6.41	2.45	2.45
II	(B)	Start up power	12.25	4.24	1.17	9.05%	0.00	6.41	2.45	2.45
II	(D)	Green Power	12.25	4.24	1.17	9.05%	0.00	6.41	2.45	2.45
III	(A)	Industrial General	8.59	4.24	1.17	9.05%	0.00	2.75	1.72	1.72
III	(B)	Seasonal Industries	15.92	4.24	1.17	9.05%	0.00	10.08	3.18	3.18
IV	(A)	Utilities -Major (Composite Protected Water Supply Schemes/PWS)	9.42	4.24	1.17	9.05%	0.00	3.58	1.88	1.88
IV	(B)	General Purpose	10.88	4.24	1.17	9.05%	0.00	5.04	2.18	2.18
V	(E)	Government / Private Lift Irrigation	7.15	4.24	1.17	9.05%	0.00	1.31	1.43	1.31
		33 kV								
I	(B)	Townships, Colonies, Gated Communities and Villas	7.66	4.24	0.46	6.12%	0.00	2.68	1.53	1.53
II	(A)	Commercial	9.64	4.24	0.46	6.12%	0.00	4.66	1.93	1.93
II	(B)	Start up power	12.25	4.24	0.46	6.12%	0.00	7.27	2.45	2.45
III	(A)	Industrial General	7.24	4.24	0.46	6.12%	0.00	2.27	1.45	1.45
III	(B)	Seasonal Industries	9.14	4.24	0.46	6.12%	0.00	4.16	1.83	1.83
IV	(B)	General Purpose	10.79	4.24	0.46	6.12%	0.00	5.81	2.16	2.16
V	(E)	Government / Private Lift Irrigation	7.15	4.24	0.46	6.12%	0.00	2.17	1.43	1.43
		132 kV								
III	(A)	Industrial General	6.93	4.24	0.35	3.17%	0.00	2.20	1.39	1.39
IV	(D)	Railway Traction	6.93	4.24	0.35	3.17%	0.00	2.19	1.39	1.39
V	(E)	Government / Private Lift Irrigation	7.15	4.24	0.35	3.17%	0.00	2.41	1.43	1.43

Determination of Additional Surcharge

- 298.** APCPDCL has sought one month's time for filing Additional Surcharge proposals with relevant data in the supplementary filings. APSPDCL has stated that it will attempt to make supplementary submissions for additional surcharge determination.

Commission's decision

- 299.** The licensees are at liberty to file supplementary filings for determination of Additional Surcharge for FY2022-23 through appropriate petitions or applications if they are entitled for the same. Such petitions/applications, if filed, will be determined independently on merits in accordance with law as per the prescribed procedure.

CHAPTER – XII
VIEWS/OBJECTIONS/SUGGESTIONS (GENERAL)

- 300.** The Commission, during the public consultation process on ARR and tariff determination for Retail Sale of Electricity for FY2022-23, 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 appropriately in this order, will discuss the remaining views/objections/suggestions, which are general in nature, in this Chapter as detailed hereunder:
- 301.** Sri M.Thimma Reddy has stated, among other things, that the outstanding dues to the DISCOMs from the State Government and government departments towards subsidy and electricity consumption are Rs.13,650 Crores, i.e. nearly 50% of the working capital loans of the DISCOMs. The delayed payments from the State Government to DISCOMs and DISCOMs' failure to file for true-ups in time are the main causes for the huge working capital loans and the accumulated losses of the DISCOMs. The funds crunch is forcing the DISCOMs to delay the payments to APGENCO which in turn is leading to the delays in payments to the coal companies by the latter. Because of irregular payments, APGENCO had to purchase coal under unfavourable terms which resulted in an increase in power purchase costs. Therefore, the objector requested the commission to advise the GoAP under Section 86 (2) of the Electricity Act, 2003 to improve the financial health of the DISCOMs.

That the DISCOMs have shown the revenue impact of the new tariff to be neutral in respect of all consumer categories except agriculture and domestic categories. The DISCOMs have mentioned DBT in the case of agriculture consumers. In the backdrop of changes in the national policies regarding DBT for agriculture consumers and metering of agriculture services, the present tariff proposals of DISCOMs lack basis. The objector further stated that DISCOMs did not make any meaningful tariff proposals for the ensuing year.

DISCOMs' Response: That the contents are noted. That the DISCOMs are continuously pursuing with the GoAP for the realization of the pending dues. That during the current financial year, GoAP has been paying tariff subsidy amounts regularly. That as per the directions of the Commission, the DISCOMs issued notices to various Govt. department offices for the realization of the C.C. Charges arrears. That as regards the tariff proposals, they submitted the same on a full cost recovery basis.

- 302.** Sri Surya Prakasa Rao referring to the G.O.Rt.No.161 questioned the authority of financial institutions like REC on 'borrowing space' in framing guidelines for DISCOMs. Further, the objector questioned the action of the State Government in directing the DISCOMs to propose the tariffs without Government subsidy and simultaneously requesting APERC to notify category/unit wise subsidy in the Tariff Order, without giving any commitment on subsidy u/s 65. Furthermore, the objector questioned the mode of issuance of bills at Full Cost Tariff to Agricultural consumers in the absence of individual metering to enable reimbursement from the GoAP under the DBT scheme or otherwise.

DISCOMs' Response: That they proposed (i) tariffs applicable to retail consumers and (ii) full cost recovery tariffs as per G.O.Rt.No.161, dated 15-11-2021. The full cost recovery tariffs are the tariffs including proposed Government subsidy and the other tariffs proposed are without Government subsidy. They stated that it is not possible to issue C.C. Bills at full cost tariff to agricultural consumers without individual metering. That as and when the metering of agricultural services is completed, the payment of subsidy by the GoAP will be done through DBT mode. That as per the existing system, the DISCOMs would raise bills on the GoAP towards subsidy based on approved sales and approved per unit subsidy.

- 303.** Sri M.Venugopala Rao and 13 others have stated, among other things, that the DISCOMs have not explained as to how their financial losses reached such abnormal levels when the tariffs are getting revised, huge subsidy amounts are being received from the GoAP, and the additional amounts under true-up claims are being allowed by the Commission, etc. The threat of declaring the DISCOMs as NPAs is looming large due to their inability to service the debts from financial institutions such as REC/PFC within due dates. That the DISCOMs have failed to explain how they propose to collect the dues from the Government and its departments concerned. That the outstanding working capital is more than three times the Capex loan of the DISCOMs, which shows their failure to collect dues within time.

That since free power supply to the agriculture sector is being implemented by the DISCOMs as per the policy of GoAP and its commitment to provide the subsidy completely, there is no need for freeing the existing DISCOMs from the supply of power "from their own resources" to the agriculture sector. The objectors have questioned the purpose for which the new DISCOM RAPScom (for supplying power exclusively to the agriculture sector) is proposed to be set up and pointed out the problems associated with the setting up of the new DISCOM and the proposed direct transfer of benefit (subsidy) to agricultural consumers.

DISCOMs' Response: That the financial losses are mainly due to the non-receipt of the Govt. dues. That disconnection notices have been issued to all the Govt.

department offices & local body offices for collecting the C.C. Charges arrears from them. As regards the other issue raised by the objectors, the DISCOMs have stated that the free supply to the agricultural consumers is being implemented pursuant to the policy of the GoAP. The new DISCOM that was formed for supplying power exclusively to the agriculture sector will reduce the supply cost and subsidy burden on the GoAP and ensure free power supply to the agriculture sector for a long term on a sustainable basis. That the directives of the Commission have been complied with by the DISCOMs.

- 304.** The FAPCCI and SICMA have stated that if Rs.13,560 Crores of subsidy dues from the GoAP and CC charges dues from the Govt. Departments are paid to the DISCOMs, then there will be no requirement for a tariff hike.

DISCOMs' Response: Govt of AP is being pursued to release outstanding dues.

- 305.** Sri Meesala Basavapunnaiah has raised many objections on levying back billing, transfer of all consumer services to MEE-Seva, not taking monthly readings in time, timely supply of 3 phase power to cottage industries in rural areas, providing capacitors to all DTRs, arbitrary replacement of meters, quality of DTRs and replacement of old supply wires, etc., and legality of certain billing and tariff aspects.

DISCOMs' Response: That the back billing notices are served on the consumers duly giving one month's time. That the consumers are liable to pay the delayed payment surcharges if the payments are made after the due dates. That Mee-Seva charges are being levied as per the directions of the GoAP. That the meter readings are being taken as per schedule in most of the cases except during Force-Majeure conditions. That 9 hours, 3-Phase supply is being extended to rural areas without any deviations during the daytime. That high quality and star rated DTRs as per the IS Standards are being procured.

- 306.** Sri Srinivasa Rao, CIFA has requested the Commission to recommend to the Government of Andhra Pradesh to implement the PM-KUSUM scheme introduced by GOI as the said scheme envisages guaranteed monthly income to the farmers. He also stated the importance of distributed generation, its advantages, and its potential to generate local employment.

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

- 307.** Sri B.Tulasidas stated that the electricity department has been silently implementing the one house, one meter rule and issuing notices for cancellation of additional meters. Hence, the objector requested the commission to stop such measures. He also stated that the DISCOMs have agreed to install smart prepaid meters for all categories of electricity consumers and the officials of the energy department have done a serious exercise in this regard and submitted their proposals to the state government. That

the proposal would be a burden to the consumers.

DISCOMs' Response: Services to domestic consumers are being released as per GTCS only. As regards the smart meters, they are taking action to install Smart/Prepaid meters for government offices, public sector undertakings, local street lights, urban and rural water supply, etc. as per State Government orders, and also for commercial and industrial services under RDSS scheme. That Smart metering is being introduced in order to improve the energy accounting of the DISCOMs. Hence, the proposal will not create any burden on consumers.

- 308.** Sri Kandergula Venkata Ramana has stated, among other things, that the proposal for setting up automated (unmanned) substations is financially burdensome for DISCOMs which are already under losses.

That APEPDCL ranks 2nd best in the country in the matter of collection of electricity charges, reduction of distribution losses, and collection of advance bills (93.36%). Therefore, APEPDCL should announce special tariffs or incentives for its consumers.

That even after the merger with APEPDCL, Cheepurupalli RESCO had issued cheques with old dates and committed irregularities worth over Rs 25 lakhs which should be thoroughly investigated and appropriate action should be taken. For better accountability and transparency, the permanent employees performing duties in the RESCOs should be transferred immediately.

That the bills being issued to the consumers are not in proper format and also not visible.

That though the electric poles are being used by private companies such as Jio and local cable channels, the DISCOMs are not collecting full utilization charges from them.

That he requested constitution of District and Constituency level advisory committees and to allow the representation of consumer associations in these committees.

APEPDCL's Response: The suggestion of the objector on automation is noted. That the issue of special tariffs/incentives is under the purview of the Commission. Regarding the issues in the RESCOs, the same will be looked into and necessary action will be taken. As regards the bill format, it will be rectified. That the DISCOM is levying charges on all cable operators for using electricity poles, but because of a court stay order, they are not being collected temporarily. The DISCOM further stated that constitution of the district and constituency committees is under the purview of the government.

- 309.** Sri Trinadha Reddy has stated that excess amount is being collected in estimations in EODB portal for the release of the MSMEs and agro-based industries connections. Hence, he requested refund of the excess amounts to the consumers after the completion of the works. He also stated that when a consumer is required to convert from LT to HT supply, the DISCOMs are demanding HT service line charges even though the consumer had paid the LT service line charges while taking service connection.

APEPDCL's Response: When an applicant applies for M.S.M.E Industries on the EODB portal, he has to pay an estimated charge of 110% plus an additional 10% plus charges based on the details entered by him. This policy is implemented in accordance with Government Orders CMP.No.2879 / GSP / 2016, Dt.27-12-2016. That based on the field inspection, the concerned officer will revise the estimate and sanction it accordingly. If the applicant pays more than what is estimated, the remaining amount will be adjusted in the electricity bill after the service is released or repaid as per the request of the applicant. As regards the second issue, i.e., when a customer wants to convert his LT service to HT, the service line charges will be collected for HT service line if the service needs laying of a new line and for installation of HT metering.

- 310.** Sri Ch. Gangaiah stated that meters should not be installed for Agriculture pump sets. That the agreement with Adani company should be withdrawn. That the DISCOMs should not be privatized. That there should be no unnecessary expenditure & corruption in DISCOMs.

APCPDCL's Response: The meters are being installed for agriculture pump sets as per the "YSR Direct Benefit Transfer" (DBT) scheme. No agreement was made with the Adani company. At present, there are no proposals for the privatization of DISCOMs. Complaint boxes on corruption were installed in every office for redressal of complaints. Necessary steps are being taken on the complaints received.

- 311.** Sri C.V. Mohan Rao, Repalle Town development Council stated that the majority of people are not aware of the hearings on the proposals for enhancement of development charges because of the Covid-19 pandemic. Hence, the objector requested the commission to take further decisions duly taking into account the public opinion.

APCPDCL's Response: The earlier (pre revised) development charges were in force from 2013 to December 2021. As per section 46 of the Electricity Act, 2003, the state commission may, by regulations, authorize a distribution licensee to charge from a person requiring supply of electricity in pursuance of section 43, any expenses reasonably incurred in providing any electric line or electrical plant used for the purpose of giving that supply. Accordingly, the Commission has approved the revised development charges vide 2nd amendment to Regulation 4 of 2013.

- 312.** Sri M.Vijaya Bhaskar stated, among other things, that every transformer was metered. That KUSUM scheme introduced by the Central government should be extended to all the farmers. That solar power installation should be permitted for every small house. That the present government should also provide DTRs free of cost as was done by the previous government. That permission should be given to erect electric poles on the edges of drainage canals in the lay-outs.

APCPDCL's Response: As regards the KUSUM scheme, the matter is under the purview of GoAP. That, however, consumers can install solar power. As regards the other issues, the DISCOM has stated that installing a meter at the DTR will help in carrying out accurate energy audits and deducing the quantum of the theft of electricity, if any. DTR costs are being levied only on non-Agl LT services having more than 20 KW of contracted load. That the agriculture services are exempted from the payment of development charges. Poles are being erected without causing any inconvenience to the consumers in the lay-outs.

- 313.** Sri N.Venkata Subbaiah has requested the Commission to merge the three RESCOs in DISCOMs and consider them as part of DISCOMs while issuing the tariff order, as APSPDCL is still issuing bills in the name of RESCO despite clear directions from the Commission to merge the RESCO with the DISCOM.

That though the RESCOs are authorized to release LT services only, Kuppam RESCO is releasing HT services and billing them under LT. APSPDCL didn't initiate any action to take over these services.

That the GoAP, vide GO MS No. 38 dated 11th June 2021, has ordered not to release agriculture services in certain villages of APDISCOMs. Kuppam RESCO is not following these orders. Hence, the services in the dark areas can also be released by APSPDCL.

That according to AP State solar policy, the power supplied by the consumers to the grid who installed solar PV shall be paid for, which is not happening in Kuppam RESCO. DISCOMs should be directed to pursue with Kuppam RESCO in this regard.

That the One Time Settlement (OTS) scheme, which offers 5% to 25% discount on CC charges, besides the complete waiver of surcharge on CC Charges should be implemented in the entire state as done by the Kuppam RESCO.

That it is illogical that RESCOs' power purchase price is far below the DISCOMs' power purchase price. Hence, the objector requested the Commission to equate the power purchase cost of the RESCOs with that of the DISCOMs.

APSPDCL's Response: That GoAP has recommended grant of exemption from obtaining the license to Kuppam RESCO up to 31-03-2022 and APERC has granted exemption from obtaining the license to the Kuppam RESCO till 31-12-2021 vide

Proceeding No. APERC/Secy/12/2021, dated 26-11-2021. However, on a writ petition filed by the Kuppam RESCO, the Honourable High Court of A.P issued interim orders on 13-12-2021 permitting the society to supply electricity to its consumers pending disposal of W.P.No.31087 of 2021. The matter is subjudice. However, DISCOMs have filed the ARR & Tariff proposals for FY 2022-23 by including the RESCOs sales also. That as per the practices in vogue, Kuppam RESCO is not permitted to release HT services. The suggestion of the objector to direct APSPDCL to release agricultural services in the dark areas is not justified in view of the Govt. policy. The suggestion to order DISCOMs not to pay for power sold by the consumers who installed solar PVs is not justified. One time Settlement scheme for HT & LT industrial consumers has been in existence for a long time in DISCOMs with prescribed procedures and rules. ARR for FY 2022-23 was filed after including sales figures of Kuppam RESCO. Hence, discussion on the power purchase price is not required.

- 314.** Sri K.Nagaraju and 6 others have stated that item 19 (3) of the YSR free agriculture cash transfer scheme application should be changed. That, the farmers have been paying charges to the DISCOMs and they do not understand the YSR free agriculture cash transfer scheme. That it is irrational to confirm full consent by the applicant without a full understanding of the scheme. Item 19(3) of the application should be changed to provide a right to the farmers to submit objections, dissent, and reject the scheme. Till then, APSPDCL should not implement the scheme.

APSPDCL's Response: As part of the YSR free agriculture cash transfer scheme, meters will be fixed for all the agriculture services. The Government deposits in advance one month's subsidy amount to the account of the farmer which will be opened separately. The deposited amount will then be transferred to DISCOM's account through the ESCROW account after furnishing meter readings to the Government. Thus, there will be no burden on the farmers. Therefore, the request to change item 19(3) of the YSR free agriculture cash transfer scheme application is not justified. For the last few years, agriculture consumers are paying customer charges only and energy charges are being borne by DISCOMs through Government subsidies and cross-subsidies.

- 315.** Sri S. Parvej and Sri K. Munaswamy Naidu have stated that vacancies in JE/JLM/ALM posts are causing delays in the execution of works and inconveniencing the consumers. Sri S. Parvej has stated that in Karvetinagaram Mandal, there exist nearly 300 services, for which the works are being held up. That services to agriculture should be released within 24 hours as in the case of domestic services. That DISCOMs have to compensate for the drying crops when agriculture distribution transformers are not repaired in time. That the items in the electricity bills are not aligned properly. That one service for one house/one kitchen is objectionable. That fixing of meters for agriculture services is creating doubt among farmers whether free power will continue

in the future.

APSPDCL's Response: In the year 2019, 3039 energy assistant posts were filled up, and hence there is sufficient O & M staff. That regular AE was posted to Karvetinagaram in October 2021. That instructions were issued to the SE/Operation concerned to fill up the vacant O&M posts. That agriculture services are being released as per the seniority list and as per the quota approved by the GoAP. That failed agriculture Distribution transformers are being replaced immediately. That instructions were already issued to the contractors to take care of the alignment problems in the bills. That service connections (Meters) shall be released on the basis of a separate kitchen only as per GTCS issued by APERC. That free power to agriculture services will continue even after the fixing of meters. That as regards the releasing of agricultural connections within 24 hours, it is under the purview of the Commission.

- 316.** Sri T. Tara Singh has stated that 9 hrs free power to agriculture is being given irregularly from the respective substations

APSPDCL's Response: The objector may raise the complaint in the AE office concerned.

- 317.** Sri K.Guru Swamy Naidu and three others requested the Commission to take necessary measures for the immediate release of Agriculture services. That one service for one house/one kitchen is objectionable. That the commission should withdraw the hikes in development charges for new service connections. That the items in the electricity bills are not aligned properly. Sri K.Guru Swamy Naidu has further stated that lines, AB switches, and other equipment in rural areas must be repaired in a time-bound manner to provide better service to consumers by making available the repair equipment. That whenever natural calamities occur, necessary equipment along with staff and vehicles should be made available at the subdivision level to restore normalcy. That the commission may take necessary measures for the immediate release of Agriculture services.

APSPDCL's Response: Agricultural services will be released as per the seniority and Government quota. The services will be released by March 2022. Service connections (Meters) shall be released on the basis of a separate kitchen only as per GTCS issued by APERC. That the development charges collected are less than the expenditure incurred already/to be incurred for the erection of DTRs and other equipment. Hence, the request for reduction of development charges is not justified. That instructions were already issued to the contractors to take care of the alignment problems in the bills. Lines and AB switches are being inspected and rectified. Necessary equipment and staff are available at the subdivision level to restore normalcy in case of natural calamities.

- 318.** Sri K.S.Dastagiri has stated that electrical appliances are getting damaged due to low voltages. Hence, the objector requested the Commission to take measures in this regard.

APSPDCL's Response: If the objector faces any issues with regard to power quality, he may contact the AE concerned.

- 319.** Sri P.S.Sampath has requested the Commission to take necessary measures for the release of agriculture services within 3 months after applying for services. That the DBT scheme for agriculture services needs to be stopped, as there is no intervention of consumers during the money transfer process.

APSPDCL's Response: Agricultural services will be released as per seniority and Government quota. In the DBT scheme, there is no burden on the consumer, and hence the suggestion to stop the DBT scheme is not correct.

- 320.** Sri Lakshmi EGG Farming Pvt. Ltd. has brought to the notice of the Commission the technical issue in the EODB portal and many other technical and non-technical issues and the DISOMS have replied to all his queries.

- 321.** Sri Seernam Venugopala Reddy requested for the implementation of the Prime Minister's KUSUM scheme in the agriculture sector. That buy-back meters should be installed on solar agriculture pump sets. That installation of solar rooftops should be permitted.

APEPDCL's Response: The implementation of the Prime Minister's KUSUM scheme is a policy matter and under the purview of the Government. Installation of buy-back meters to solar agriculture pump sets is under the purview of the government. That APEPDCL is permitting domestic consumers to install solar Rooftops.

- 322.** Sri JT Rama Rao has, inter alia, stated that security and protection for electrical employees and equal pay on par with central government employees to be provided.

APEPDCL's Response: The matter is under the purview of the government.

- 323.** Sri Nallamilli Srinivasa Reddy stated that when consumers call 1912, customer care responds and closes the complaints of consumers without rectifying the complaints. Hence, the objector requested the commission to give directions to the DISCOMs to close the complaints after taking confirmation from the consumers. He also brought to the notice of the Commission many issues in the execution of works and estimates of the DISCOM.

APEPDCL's Response: After the complaint is registered through 1912, the complaint is forwarded to the relevant field authorities. An automated outbound call (OBD) via IVRS (Interactive Voice Response System) to the complainant's mobile number for feedback will be triggered if the relevant field authorities update the complaint to the

next level "Complaint Fixed". During outbound calls, customers are given 2 options 1. The complaint is resolved and 2. The complaint is not resolved. Depending on the feedback 1 or 2 provided by the consumer, complaints may be closed or reopened and sent to the relevant authorities for rectification. For all complaints, APEPDCL triggers calls for customer feedback after certification from relevant field engineers. If the customer does not respond for any reason and does not cancel the feedback call, the 2nd outbound call will be triggered again within 10 minutes, and if the customer still does not answer the call, the IVRS will update the complaint as closed. The DISCOM also gave a detailed response as regards the other issues raised by the objector.

- 324.** Sri Yellapu Suryanarayana has stated that DTR costs and development charges were levied on fish pond farmers in the Amalapuram division of Rajahmundry circle in APEPDCL. The objector enclosed a list of 122 farmers from whom these charges were collected and requested for a refund of the amounts collected.

The objector requested the Commission to provide copies of the Tariff Order for the FY2022-23 to all those who participated in the public hearings and requested the Commission to direct DISCOMs to make necessary arrangements for making copies of all the Regulations available at the Division offices free of cost or on a chargeable basis.

APEPDCL's Response: The issue will be examined and appropriate action will be taken. As regards sending tariff orders, it is under the purview of APERC.

- 325.** Sri Hume Sastry suggested that Distribution transformers be mounted on a plinth around 5 feet above the ground, a fuse box to be mounted at that height, and a couple of steps at the structure to be provided for the staff to reach the height of the fuse box to replace fuses so as to maintain 6 feet minimum ground clearance as per IE rules. In the present system, access to fuse boxes is around 4 feet in contravention of IE rules.

That consumers may be permitted to deposit 1 year's consumption charges in advance, with DISCOMs duly paying 6/7% interest on the same and deducting the monthly bill amounts from the deposit. Even if 20% of consumers follow this procedure, DISCOMs can mobilize around Rs.10,000 Crores reducing their borrowings from the institutions and the corresponding interest. This will also reduce the burden of collecting bills. The amount collected in advance will be useful for payment of monthly salaries and pensions. For example, the pensions for the majority of retired employees are yet to be paid for the month of January 2022 due to the shortage of funds.

That permission to install solar panels be given only after institutions have followed the guidelines on changing existing appliances with energy-efficient appliances, as many energy in-efficient fans and LED tube lights were sold by the EESL organization.

APEPDCL's Response: It is taking every measure to maintain clearances. All the field staff are being educated from time to time on maintaining safety measures and standards. As regards the advance payments, as per sub-clause 4.3.9 of APERC Regulation 5 of 2004 (Supply Code), the consumer shall have the facility to make advance payments towards the consumption charges and request the DISCOMs to adjust the advance amount against bills that may be raised by the DISCOMs from time to time. That the consumers are at liberty to pay advance payments, but DISCOM cannot insist the consumers pay advance payments. All such advance payments are not eligible for receiving any interest. That the suggestion to permit the installation of solar panels only after institutions followed the guidelines on changing existing appliances with energy-efficient appliances comes under policy matter. That as per G.O.Rt. No:89, dt:05.11.2020, Energy Conservation Cells were constituted as nodal agencies at corporate and circle offices for implementation of Energy Conservation and Energy Efficient activities. Accordingly, EC/EE activities will be taken up in coordination with the APSECM.

- 326.** During the public hearings, Sri CH. Babu Rao has brought to the notice of the Commission many issues such as privatization of SDSTPS, DISCOMs' proposal to procure 7000 MW through SECI, and the Commission's conditional approval for it, fixing of meters to agl. services under DBT, etc. Sri k. Loknatham, Sri NarsingRao, Sri Nayanbabu, Sri M. Venu Gopala Rao, and Sri Kandarapu Murali have brought out many issues similar to those raised by Sri Ch. Babu Rao. Sri Punna Rao has stated that there will be grid stability issues with the proposed power procurement of 7000 MW from SECI by the DISCOMs. Sri Pula Suribabu has stated that agricultural connections should be released without any burden. Sri Venu Gopal Reddy and Sri Sambaiah have stated compensation issues with regard to the laying of utility power lines in their fields.
- 327.** Sri Innam Ramana felt that there is no need to fix meters to agl. services when free power is provided by the government.
- 328.** Sri Peeta Raman has raised many issues such as pending dues from the consumers and government, installation of DTrs at free of cost to apartments, functioning of CGRFs, adoption of technology for payment to solar rooftop consumers, non-payment of ESI & EPF amounts of outsourced employees resulting in penalties and consequent burden on the consumers and failure of the DISCOMs to collect wheeling charges based on Hon'ble Apex court Orders, power procurement of the DISCOMs, etc.

- 329.** Sri Chandrasekhar has stated that services to government offices should be disconnected in case of their failure in making payments within due dates.

Commission's views

- 330.** The Commission is giving utmost priority to consumer centric services such as Standards of Performance (SoP) of the DISCOMs, compensation to the victims of electrical accidents, payment of compensation under the works of licensees rules, and the release of agriculture services strictly as per seniority, etc. In this regard, the Commission has taken several measures to improve the licensees' performance in the said service areas such as amending the SoP Regulation to provide for automatic compensation by the DISCOMs to the consumers for failure to meet standards in respect of certain services, issuing guidelines for the release of agriculture services, obtaining the quarterly reports from the licensees to monitor their performance in the said service areas, posting of the SoP data and the details of agriculture services released on the websites of the Commission and the DISCOMs. The Commission is happy to note that the above measures have started yielding results as seen from the marked improvement in the said services over time and a drastic reduction of complaints on DISCOMs' services in the recent public hearings on ARR as compared to the earlier public hearings. Apart from the above measures, the Commission is providing assistance to the consumers whenever they are bringing their genuine grievances to the notice of the Commission, by advising them, by calling for reports from the licensees, and issuing appropriate directions to the licensees to take action on genuine grievances. Apart from the above assistance, the consumers have recourse to the fora such as CGRF and Vidyut Ombudsman for redressal of their grievances through adjudication since the Commission cannot directly adjudicate the consumer grievances as per law.
- 331.** As regards the pending dues from the GoAP, Government departments, and local bodies, the Commission reiterates its earlier statement that apart from addressing the letters to the GoAP to release the pending dues, it has been issuing stern directions to the DISCOMs to realize the subsidy dues from the government and CC arrears from the government departments and local bodies and to disconnect the services if the CC dues are not paid. Further, the Commission has been making efforts to reduce the dependency of the DISCOMs on the government subsidies to the extent possible by gradually reducing the subsidy component of the tariffs as can be seen from the last two years.
- 332.** The Commission brought to the notice of the GoAP the need to maintain sufficient coal stocks in the State owned power plants by ensuring adequate cash flows to the plants

to avoid purchase of expensive power from the market and maintain 24x7 hours supply to the consumers.

- 333.** The Commission directed all the licensees to make available all the regulatory information including their annual accounts on their websites in order to ensure transparency and accountability in the functioning of the licensees.
- 334.** The Commission notified Regulation 1 of 2022 on purchases/sale of power under short term basis by the DISCOMs in order to optimize overall power purchase costs, provide a transparent framework and better planning in short term power procurement by the DISCOMs keeping in view the increase in the share of short-term power in the overall power purchases due to the intermittency of generation from RE sources which constitute about 50% of the total installed capacity in the State.
- 335.** As regards the proposal of the DISCOMs for procurement of 7000 MW of solar power from SECI, the Commission has examined their proposal in depth from various aspects including the power deficit situation projected by the CEA, an independent body of the GoI, for the fifth control period, i.e. FY 2024-29 and the recent commitment by the Hon'ble Prime Minister in COP26 that India will achieve net zero carbon emissions by 2070. After a detailed examination, the Commission issued conditional approval to the DISCOMs for the procurement proposal after getting satisfied that the procurement would not cause any burden on any category of consumers since the GoAP has committed itself to bear the entire cost associated with the procurement. As the procurement falls under the interstate transaction, CERC is competent to determine the tariff for this procurement. Once the CERC determines the tariff and the DISCOMs approach the Commission for consent to the Power Supply Agreement, the Commission will then take a decision on giving consent after due Regulatory process in accordance with the law. The apprehensions expressed by some objectors in this regard as noted above are uncalled for in the opinion of the Commission.
- 336.** As regards the metering of the agricultural services, it is the policy of the GoAP to channel the agriculture subsidy through Direct Benefit Transfer (DBT) mode by metering all the agriculture services. In this regard, the government has committed itself to bear all the costs associated with the metering. APSPDCL has already approached the Commission for approval of the investment proposal to provide smart meters for all the agriculture services in its area. The Commission has examined the proposal in depth and identified certain short falls in the implementation of the scheme like whether the smart meter technology is mature enough for wider deployment, recent news on the technical problems experienced with the integration of smart meters, etc., and accordingly sought some clarifications from APSPDCL and

directed it not to proceed further meanwhile.

- 337.** Many objectors have expressed apprehensions on one house and one meter initiative stated to be undertaken by the DISCOMs. In this regard, the DISCOMs have clarified that they are taking action strictly according to GTCS and Regulations. Hence, if any consumer is aggrieved in this regard, he may approach the Consumer Grievance Redressal Forum concerned.
- 338.** As regards the installation of smart prepaid meters, the DISCOMs in their written replies have stated that they are taking action to install these meters in the government offices, public sector undertakings, street lights, urban and rural water supply, etc., and for commercial and industrial services under RDSS scheme, to start with. So, as already stated by the DISCOMs, it will not create any burden on the other consumers.
- 339.** As for the KUSUM scheme, the Commission is presently seized of the matter. It has examined the scheme in depth and observed that it is not favourable to the marginal farmers in its present form. Therefore, the Commission is in the process of customising the scheme to provide maximum benefit to the farmers and the State at large. After the process is over, the Commission will communicate its advisory on the scheme to the GoAP under section 86(2) of the Electricity Act, 2003.
- 340.** Regarding the improper alignment of the items in the electricity bills and their visibility, etc., the Commission has already directed the DISCOMs to rectify these problems and to send the monthly bill details to the consumers in Telugu also.
- 341.** Regarding the objections raised on the collection of DTR and development charges, it may be noted that the Commission notified the 2nd amendment to Regulation 4 of 2013 which specifies the DTR and development charges to be collected by the DISOMS from the consumers. The above amendment can be accessed at the website of the Commission for reference. If the DISCOMs collect DTR and development charges in contravention of the above amendment, the aggrieved persons can approach CGRF concerned for redressal of their grievances.
- 342.** Regarding the request of one of the objectors to send copies of the tariff order to all the objectors who submitted their views on the tariff proposals, it is informed that the Commission will host the Tariff order in its website. The stake holders can visit to the website and if they choose, they can take a printout of the entire or relevant part of

the Tariff order, at their option. As regards the sending of the copies of the tariff orders in Telugu, the Commission could not do so due to the difficulty in finding quality Telugu translators. As regards making available the copies of all regulations at the offices of Divisional Engineer, the objector may note that copies of all regulations are available on the website of the Commission which can be downloaded and printed, if required. Further, printed copies of all regulations are available for sale at nominal prices with the office of the Commission. Any person desirous of purchasing these copies can contact the office of the Commission.

- 343.** As regards the safety aspects, the Commission has taken an initiative in this matter to reduce accidents. It is regularly reviewing the safety audit reports submitted by the DISCOMs periodically and is issuing appropriate directions to them in this regard.
- 344.** As regards the automation of the substations (SCADA), APSPDCL approached the Commission for investment approval for automation and implementation of SCADA-ADMS for 380Nos of substations costing around Rs.310 Crores in its area. In this regard, the Commission visited Vishakhapatnam, Vijayawada, Guntur, and Nellore to study the existing SCADA systems and observed that not even a single system is fully operational. Therefore, the Commission directed all the DISCOMs to make all the existing SCADA systems fully operational in all respects and that any new proposals of the DISCOMs on automation of substations & implementation of SCADA will be examined after the existing SCADA systems are made fully operational.
- 345.** As regards the promotion of EC & EE measures, the Commission is actively studying a number of models to promote the usage of energy efficient appliances by the consumers. One of the models is 'On Bill financing model' which if properly implemented would be a win-win situation for both the consumers and the DISCOMs.
- 346.** As regards the issues raised on the compensation to farmers due to the laying of power lines in their fields, the Commission being aware of the plight of most of the farmers as is taking all possible steps for the speedy dispensation of reasonable compensation to them under the works of licensees rules. Due to the relentless efforts of the Commission, the Transco and District Collectors are duly sensitised and taking prompt steps to fix and pay compensation as per the Rules and Regulations.
- 347.** Regarding the objections raised on back billing, not taking monthly readings in time, timely supply of three phase power to cottage industries in rural areas, quality of DTRs, etc., the aggrieved persons can approach the CGRF or the officers concerned in the DISCOM for redressal of their grievances in the above matters.

- 348.** 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. This is the second time in a row that the Commission has conducted public hearings in the virtual mode in view of the continuance of the COVID-19 pandemic. 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 hearing through physical mode at a few places in the State.

ANNEXURE – 01 (A)

Public Notice of ARR & FPT and Hearing Schedule for FY2022-23 in English

EASTERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED (APEPDCL)					SOUTHERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LIMITED (APSPDCL)					ANDHRA PRADESH CENTRAL POWER DISTRIBUTION CORPORATION LIMITED (APCPDCL)				
Name & full address of the Objector with contact number	Brief details of View(s) / Objection(s) / Suggestion(s)	Objections against Proposals of APEPDCL	Whether a copy of objections & proof of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person through video conference (Yes/No), if Yes, mention the DE/EE Office from where he would like to make the oral submission.	Name & full address of the Objector with contact number	Brief details of View(s) / Objection(s) / Suggestion(s)	Objections against Proposals of APSPDCL	Whether a copy of objections & proof of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person through video conference (Yes/No), if Yes, mention the DE/EE Office from where he would like to make the oral submission.	Name & full address of the Objector with contact number	Brief details of View(s) / Objection(s) / Suggestion(s)	Objections against Proposals of APCPDCL	Whether a copy of objections & proof of delivery at Licensee's office enclosed (Yes/No)	Whether Objector wants to be heard in person through video conference (Yes/No), if Yes, mention the DE/EE Office from where he would like to make the oral submission.
4. The ARR, Proposed Tariffs & CSS schedule for FY 2022-23 along with a summary of True-up for FY 2020-21 is given below					4. The ARR, Proposed Tariffs & CSS schedule for FY 2022-23 along with a summary of True-up for FY 2020-21 is given below					4. The ARR, Proposed Tariffs & CSS schedule for FY 2022-23 along with a summary of True-up for FY 2020-21 is given below				
ARR SCHEDULE OF APEPDCL					ARR SCHEDULE OF APSPDCL					ARR SCHEDULE OF APCPDCL				
Sl. No.	Particulars	Proposal for 2022-23 (Rs.Cr)	Sl. No.	Particulars	Proposal for 2022-23 (Rs.Cr)	Sl. No.	Particulars	Proposal for 2022-23 (Rs.Cr)	Sl. No.	Particulars	Proposal for 2022-23 (Rs.Cr)	Sl. No.	Particulars	Proposal for 2022-23 (Rs.Cr)
1	Transmission Cost	991.65	10	Other Costs, if any	67.66	1	Transmission Cost	1,206.30	10	Other Costs, if any	8.34	1	Transmission Cost	698.13
2	SLDC Cost	14.05	11	Additional Interest on Pension bonds of APGenco Order	357.74	2	SLDC Cost	46.67	11	Additional Interest on Pension bonds of APGenco Order	399.43	2	SLDC Cost	9.10
3	Distribution Cost	2987.77	12	Supply Cost (7+8+9+10+11)	11957.36	3	Distribution Cost	3,790.31	12	Supply Cost (7+8+9+10+11)	12835.85	3	Distribution Cost	2192.68
4	PGCIL Expenses	418.33	13	Aggregate Revenue Requirement (6+12)	16371.39	4	PGCIL Expenses	467.07	13	Aggregate Revenue Requirement (6+12)	18348.69	4	PGCIL Expenses	269.57
5	ULDC Charges	2.23	14	Total Revenue (15+16+17)	16371.39	5	ULDC Charges	2.49	14	Total Revenue (15+16+17)	18348.69	5	ULDC Charges	1.44
6	Network and SLDC Cost (1+2+3+4+5)	4414.03	15	Revenue from Proposed FCR Tariffs in pursuant to GO Rt. 161, Dt 15-11-2021	15918.08	6	Network and SLDC Cost (1+2+3+4+5)	5512.84	15	Revenue from Proposed FCR Tariffs in pursuant to GO Rt. 161, Dt 15-11-2021	17137.11	6	Network and SLDC Cost (1+2+3+4+5)	3168.92
7	Power Purchase / Procurement Cost	11387.34	16	Non - Tariff Income	392.42	7	Power Purchase / Procurement Cost	12,294.04	16	Non - Tariff Income	1093.5	7	Power Purchase / Procurement Cost	7197.34
8	Interest on Consumer Security Deposits	120.20	17	Cross Subsidy Surcharge	60.90	8	Interest on Consumer Security Deposits	94.67	17	Cross Subsidy Surcharge	118.08	8	Interest on Consumer Security Deposits	52.33
9	Supply Margin in Retail Supply Business	24.42	18	Net GAP (14-13)	0.00	9	Supply Margin in Retail Supply Business	39.37	18	Net GAP (14-13)	0.00	9	Supply Margin in Retail Supply Business	22.72

Full Cost Recovery Tariff for all HT Categories are same as Energy Charges for EPDCL, SPDCL & CPDCL

ఎన్ఐఐసిఎల్, ఇడిసిఎల్ & సిపిసిఎల్‌లు సంబంధించి అన్ని హెచ్చెడి కేటగిరిల ఎవర్ ఫార్మలతో సమానంగా ఫుల్క్రాస్ట్ రికవరీ ఛార్జీలు ఉంటాయి.

ANNEXURE – 02
LIST OF OBJECTORS

S.No	Name of the Objector & Address	
1	Sri M. Venugopala Rao (1), 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 a " Sri M. Venugopal Rao & Others" in the order
2	Sri KANDHARAPU MURALI, Secretariat Member CPI(M), Tirupati.	
3	Sri J.V. Satyanarayana Murthy, Asst.Secretary, CPI, A.P.State Council, Neelam Rajasekhar Reddy Bhavan, C.P.I Office, Allipuram, VISAKHAPATNAM-530 004. A.P.	
4	Sri Gujjula Obulesu, General Secretary, AITUC-AP state council, Josyabhatla Satyanarayana Bhavan, D.No.512/3, AITUC State Office, Subhash Chandra Bose Road, Opp: High school Bus Stop, Gollapudi, VIJAYAWADA - 521 225	
5	Sri K. Ramakrishna, Secretary, CPI, AP State council, Dasari Nagabhushanarao Bhavan, CPI state office, Hanumanpet, VIJAYAWADA - 520 003.	
6	Sri Ravula Venkaiah, President, All India Kisan Sabha, Dasari Nagabhushanarao Bhavan, 2nd Floor, Hanumanpet, VIJAYAWADA-3.	
7	Sri KVV Prasad, General Secretary, AP Ryotu Sangham, Dasari Nagabhushanarao Bhavan, 2nd Floor, Hanumanpet, VIJAYAWADA - 520 003.	

S.No	Name of the Objector & Address	
8	Sri Jalli Wilson, Ex MLC, President, AP Vyavasaya Karmika Sangham Dasari Nagabhushanarao Bhavan, 2nd Floor, Hanumanpet, VIJAYAWADA - 520 003.	
9	Sri Muppalla Nageswara Rao, Asst. Secretary, CPI AP State Council, Mallaiah lingam Bhavan, CPI Office, Kothapet, GUNTUR - 522 001.	
10	Sri. M. Jaggunaidu, Secretary, Greater Visakha City Committee, H.No:9-33-4, CPI(M) CITY Office, Pitapuram colony, Visakha -53000	
11	Sri Ch. Baburao, State Secretariat Member, CPI(M) Party, H.No:27-28-12, CPI(M) State Committee Office, Yamalavari Street, Governorpet, Vijayawada - 2.	
12	Sri Ch. Narasinga Rao, State Secretariat Member, Communist Party of India (MARXIST), Andhra Pradesh Committee, H.No :28-6-8, NPR Bhavan, Yallammathota, Jagadamaba Junction, Visakhapatnam-20.	
13	Sri G. Nayanababu, District President, Andhra Pradesh Rytu Sangam (AIKS), Visakhapatnam District Committee, Karmika karshaka Nilayam, opp : RTC Complex, Anakapalli, Visakhapatnam.	
14	Sri K. Lokhanadam, Communist Party of India (MARXIST) Visakhapatnam District Committee, H.No :28-6-8, NPR Bhavan, Yallammathota, Jagadamaba Junction, Visakhapatnam - 20.	
15	Dr. K. Somi Reddy, Joint Managing Director, Srinivasa Hatcheries Pvt. Ltd., Srinivasa House,D.No.: 59-13-3. Ramachandra Nagar. VIJAYAWADA-520 008	These objectors have submitted separate but identical views. He has referred to as a " Dr. K. Somi Reddy" in the order
16	Sri K.G. Anand, General Manager, Venkateshwara Hatcheries Pvt. Ltd., Venkateshwara House, H. No. 3-5-808, Hyderabadguda, Hyderabad	

S.No	Name of the Objector & Address	
17	Er. A. Punna Rao, Chartered Engineer, 59-2-1, 1st Lane, Ashok Nagar, Vijayawada - 520 010	
18	Sri Sidhartha Das, Vice President_Commercial M/s. Hinduja National Power Corporation Ltd., Regd Office. C/o Gulf Oil Corporation Ltd, Post Bag No. 1, Kukatpally, Sanath Nagar I.E, Hyderabad - 500 018	
19	Sri Meesala Basava Punnaiah, M/s. Repalle Consumer's Council, 10- 12-11/10, Uppidi Road, Repalle - 522 265	
20	Sri Meesala Basava Punnaiah, M/s. A.P. State Hire Working (Non- Trading), Rice Millers Association, Panchalavarapuvuri Street, 9th Ward, Repalle - 522 265, Guntur dist.	
21	Sri Jogendra Behera, Vice President, Market Design & Economics, Indian Energy Exchange Limited, Plot No. C001/A/1/, 9th Floor, Max Tower, Sector 16B, Noida, Goutham Buddha Nagar, Uttar Pradesh - 201 301	
22	Sri Kommala Nagaraju, S/o. K. Erraiah, D. No. 8-12, Tambalavaru Street, Karveti Nagar, Chittoor District	These objectors have submitted separate but identical views. He has referred to as a "Kommala Nagaraju" in the order
23	Sri P. Mahesh, S/o. P. Munaswamy, D. No. 1-1, B.C. Colony, Pillaripattu Village, Puttur Mandal, Chittoor District - 517 583	
24	Sri K.C. Venkata Ramana Reddy, S/o. Chinna Reddy, D. No. 4-100, Brahmin Street, Karveti Nagar - 517 582, Chittoor Dt.	
25	Sri P.S. Kishor Kumar, D. No. 7-48, Raja Street, Karveti Naga, Chittoor District.	
26	Sri S. Abdul Majeed, S/o. Abdul Kadar, Sanpath Veedhi, D. No. 7-18, Karveti Nagar, 517 582, Chittoor District	
27	Sri S. Parvez, S/o. Late Sabjan Saheb, D. No. 5-39/2, Karveti Nagaram Main Road, Chittoor to Puttur Road, Near Post Office, Chittoor District - 517 582	

S.No	Name of the Objector & Address	
28	Sri T. Tara Singh, S/o. T. Ram Singh, Toorpu Veedi, D. No. 5-71/A, Karveti Nagar - 517 582, Chittoor District.	
29	Sri Kamal Kumar, Vice President (Operations) Hindusthan National Glass & Industries Limited APIIC Industrial Park, Menakuru Village, Naidupeta, SPSR Nellore Dist. Pincode:524421.	
30	Sri B.N.Prabhakar, President, SWPNAM (Society for Water, Power & Natural Resources Conservation Awareness and Monitoring) Address: B-229, JK Poojitha's Waterfront Apartment, Opp. YSRCP Central Office, Tadepalle-522501, Guntur Dist, AP	
31	Sri Srinivasa Rao Gandham, Consortium of Indian Farmers Association (CIFA), 305, Vijaya Towers, Shanthi Nagar, Hyderabad	
32	Sri K Guruswamy Naidu, Sureneni vari palli, Pakala, Chittoor District	
33	Sri K. Munaswamy Naidu, Kundetivari palle, Pakala post, Chittoor District	
34	Sri D.V.L.N.Raju, General Manager-Projects Nava Bharat ventures ltd., Sugar division, Samalkot, Samlkot, Godavari canal road, E.G.Dist, Andhra Pradesh – 533440	
35	Sri M. Thimma Reddy, Convenor, People's Monitoring Group on Electricity Regulation, 3rd Floor, House No. 3-4-107/1, (Plot No. 39), Radha Krishna Nagar, Hyderguda Village, Attapur, Hyderabad – 500048	
36	Sri Gopinath Injeti, CEO, South Indian Cement Manufacturers' Association, 3rd Floor, 36th Square, Plot No.481, Road No.36, Jubilee Hills,Hyderabad-500034	
37	Sri K Dasthagiri, Karvetinagaram, Chittor District	
38	Sri A Dileepkumar, Karvetinagarm, Chittoor District	

S.No	Name of the Objector & Address	
39	Sri S.Bhasakara Raju, 7-112, Rajabanduvula veedi, Karveti Nagaram, Chittoor District	These objectors have submitted separate but identical views. He has referred to as a " A. Dileep Kumar" in the order
40	Sri P S Sampath, 7-30, Sampath street, Karveti Nagaram, Chittoor District-517 582	
41	Sri S Abdul Shazid, 7-29, Sabul veedi, Karveti Nagaram, Chittoor District	
42	Sri N.Venkatasubbaiah, Retired Line Inspector, APTransco, Jowli street, Palamaner, Chittoor district.	
43	Sri POLAKI SIRNIVASARAO, State President, ANDHRA PRADESH ELECTRICITY BACKWARD CLASSES EMPLOYEES WELFARE ASSOCIATION,	
44	The Federation of Andhra Pradesh Chambers of Commerce and Industry, Smt P. Vydehi Secretary (i/c), FAPCCI, Vijayawada	
45	Mytrah Energy (India) Private Limited (Formerly known as Mytrah Energy (India) Limited) Survey No.109, Q-City, Nanakramguda, Gachibowli, Hyderabad – 500032	
46	Sri S. Prathap, Technical Secretary, APSEB Assistant Executive Engineers' Association, Vijayawada	
47	Sri U.M. Kumar, Secretary, A.P. Textile Mills Association, 2nd Floor Manoharam Skin Clinic, 4/2, Lakshmipuram, Guntur	
48	Sri B. Tulasidas, # 118, Road No. 22, Sudaraiah Nagar, Tadepalli, Guntur District	
49	Sri V. Bhaskar, General Manager, Electrical, TGV SRAAK Limited, Corp Officer: 40-304, 2nd Floor, Krishna Jyothsna Complex,Bhagya Nagar, Kurnoor - 518 004	

S.No	Name of the Objector & Address	
50	Sri K Kumara Swamy, DGM_Electrical, Amara Raja Batteries Limited, Corp Office: Terminal A, 1-81/1 AMR/NR Nanakramguda, Gachibowli. Hyderabad - 500 032	
51	Sri Komanuthala Venkata Ramana, Bradipeta, 4th Street, # 23/18-65, Guntur, Email: komannuthalavr@gmail.com	
52	Sri S. Surya Prakasa Rao, Former Director (Commercial) erstwhile APCPDCL, & Former Secretary erstwhile APERC, Flat No.105, Ashok Chandra Enclave, 11-4-660 Redhills, Hyderabad - 500 004	
53	Sri M. Rajendra Reddy, S/o. M. Narayana Reddy, 5/24, Bazaar Street, Karveti Nagar, 517 582, Chittoor District	
54	Sri C.V.Mohan, REPALLE PATTANABHIVRUDHISANGHAM REPALLE - 522 265, Guntur Dt. ,A.P	
55	B. Raja Sekhar, General Secretary, # 40-1-144, AP Chambers of Commerce & Industry Federation, 3rd Floor, Corporate Centre, Beside Chandana Grand Shopping Mall, M.G. Road, Vijayawada	
56	K. Sri Hari Babu, General Manager, K.C.P. Sugar and Industries Corporation Limited, Main Road, Vuyyuru, Krishna District - 521 165	
57	P. Vijaya Gopal Reddy, A.P.Ferro Alloys Producers' Association, (Reg.No.291/11)Flat No; FF6, Gitanjali Apartments, Tikkie Road, Mogalrajpuram, Vijayawada-520010, A.P. E-mail: apfapa@rediffmail.com, Cell: 9966039006.	
58	Sri. Kandregula Venkataramana, State Awardee in Consumer Protection Act & Right to Information (RTI) Act State Level Resource Person & Consultant for RTI Act and Consumer Affairs. Co-ordinator for Public Forum of A.P, President, Consumer Organisations Federation (Regd.), Visakhapatnam Dist., A.P.	
59	Sri P. Narendranath Chowdary, Chairman & Managing Director, M/s. The Andhra Sugars Limited, KOWUR - 534 350, West Godavari District, Andhra Pradesh.	

S.No	Name of the Objector & Address	
60	Sri Yellapu Suryanarayana, State Executive Member, Bharatiya Kisan sangh, Eleswaram Mandal, Chinimpeta, East Godavari"	
61	SRI LAKSHMI EGG FARMING PRIVATE LIMITED, Door No. T9-3, Balabhadrapuram, Biccvolu Mandal, East Godavari District	
62	Mannamilli Srinivass Reddy, Managing Partner, Bhaskara Padma Poultry, Rajanagaram Road, Kapavaram - 533 343, Bikkavolu Mandal, East Godavari District	
63	K. Trinadha Reddy, Organizing General Secretary, A.P. State Y.S.R.C.P. Raithu Vibhagam, RAMACHANDRAPURAM, E.G.Dist., A.P.	
64	Sri Medasani Vijaya Bhaskar, Tadigadapa, Penamaluru Mandal, Krishna District	
65	Sri Suresh Khandelwal, Chief Operating Officer, Sri Kalahasthi Piles Limited, Regd. Office & Works: Rachagunneri-517641, Srikalahasthi Mandal, Chittoor District, A.P.	
66	Sri Cherukuri Venugopal Rao, Federation of Farmers Association, Andhra Pradesh, H.No.1-191, Railway Wagon Work Shop Road, Guntupalli - 521 241 Ibrahimpattanam Mandal, Krishna District, Mobile No. 9490206969	
Objections received after due date and during the public hearings.		
67	Sri S. Venugopal Reddy Federation of Farmers Association, Andhra Pradesh	
68	Sri. G. Rajendra Prasad, Guntupalli, Ibrahim patnam, Krishna Dist	
69	B. Hume Sastri	
70	Sri. K. Shaik Nabi Rasool, Rayalaseema Regional member, AP State Consumer protection Council, #28-4-606, Drivers Colony, Ashok Nagar, Ananthapuramu-5151001.	

S.No	Name of the Objector & Address	
71	Sri P.Gangaiah, B.Tech., MIE, Executive Engineer, PIPEMC.Division No.1, Dowleswaram- 533125.	
72	Sri Nandakumar Ramanujalu, President, The South Indian Sugar Mills Association	
73	All India Shrimp Hatcheries Association, Venkateswara Hatcheries	
74	Sri Peeta Raman Advocate, M/s.Karthikeya & Kaushik Law Chambers, #5-178A, Flat No.302, 3d floor, GVS Yakkali Heights, Block-2, Ippatam Road, LB Nagar, Mangalagiri, Guntur District, Andhra Pradesh-522 503.	
75	Challa Gunaranjan, Advocate RAIN Cll carbon (Vizag) Limited 34, Srinagar colony, Hyderabad - 500 0073	
76	MADHU KASIREDDY Director-Commercial, Anrak Aluminium Limited, APIIC Industrial park, G.Koduru Village, Makavarapalem Mandal, Visakhapatnam Dist. - 531113,	
77	JT Rama Rao, AP Praja sanghala JAC, #42-2-24, Srinagar, Behind GVMC Zonal Office, Vizag-530016	
78	Sri M. Dharma Raju, Company Secretary, Vizag APSEB ENGINEERS ASSOCIATION	
79	Sri Koteswara Rao, Ongole	Same as AP Small scale granite Association
80	Sri Srinivasa Chari, Addanki	
81	Sri P. Suri Babu, T. Gokulapadu (V), Krishnagiri(M), Kurnool Dist	
82	Sri S.Venugopala Reddy, Bharatiya Kisan Sangh, Nuzividu	

S.No	Name of the Objector & Address	
83	Sri Y.Sambaiah, Nuzividu	
84	M.Thrimurthulu, Adanki	
85	Kona Prabhakar Reddy, Mangempeta, Kadapa	
86	Sri D. Venugopal Naidu	
87	Ch. Chandra Sekhar, Kodur	
88	Y. Kondaiah, CPI(ML) New Democracy	
89	Sri Gopala Krishna, Consumers Association, Yendagandi	
90	Sri G. Siva Prasad, Anantapur	
91	N. Venugopal, Anantapur	
92	Sri A. Srinivas, Area Manager, Reliance JIO.	
93	Sri Siva Ramakrishna	
94	Ms. K. Sirisha,	

ANNEXURE - 03

GOVERNMENT STATEMENT FOR THE FY2022-23

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

పారిశ్రామిక రంగం వేగంగా అభివృద్ధి చెందడానికి విద్యుత్ రంగం అత్యంత కీలకం అని రాష్ట్ర ప్రభుత్వం గుర్తించి గృహ, వాణిజ్య, పారిశ్రామిక రంగాలకు ²⁴⁷ నిరంతరాయంగా సరసమైన ధరలకు విద్యుత్ ను అందించడానికి మరియు వ్యవసాయ రంగానికి పగటి పూట 9 గంటల నాణ్యమైన ఉచిత విద్యుత్ ను అందించడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.

దేశంలోనే అతి తక్కువ సరఫరా మరియు పంపిణీ నష్టాలు గల విద్యుత్ సంస్థలలో రాష్ట్ర విద్యుత్ సంస్థలు కూడా వున్నాయి. అయినప్పటికీ రూ. 82,038 కోట్ల పైబడి అధిక స్థిర చార్జీ అప్పులు, రూ. 26,961 కోట్ల పైబడి నష్టాలు మరియు ఇతర సవాళ్ల తోనూ రాష్ట్ర విద్యుత్ సంస్థలు సతమతమవుతున్నాయి. ఈ ఆర్థిక దుస్థితి లో నుంచి విద్యుత్ సంస్థలను గట్టెక్కించడానికి రాష్ట్ర ప్రభుత్వం అన్ని చర్యలు తీసుకుంటోంది.

వివిధ ప్రభుత్వ ఉత్తర్వు లలో ప్రకటించిన విధంగా ఆక్వా రైతులకు, యస్.సి./ యస్.టి గృహ వినియోగ దారులకు, రోల్డ్ గోల్డ్ రంగాలకు సబ్సిడీ పై విద్యుత్ ను అందించడానికి రాష్ట్ర ప్రభుత్వం కట్టుబడి ఉంది.

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

విద్యుత్ నియంత్రణ మండలి పారదర్శకంగా మరియు సరియైన విద్యుత్ కొనుగోలు వ్యయాన్ని నిర్ధారించే చర్యలకు, విద్యుత్ సంస్థల ఆర్థిక

స్థిరత్వాన్ని మరియు వినియోగ దారుల సౌలభ్యాన్ని దృష్టి లో ఉంచుకొని, రాష్ట్ర ప్రభుత్వం మద్దతు తెలుపుతుంది.

వ్యవసాయ వినియోగదారులకు అందించవలసిన విద్యుత్ లోడ్ సరిగా తెలుసుకోడానికి, 9 గంటల విద్యుత్ అందించడానికి అవసరమైన మౌలిక సదుపాయాలు కలుగజేయడానికి, వ్యవసాయదారులకు నాణ్యమైన విద్యుత్ అందించడానికి, రైతులకు విద్యుత్ పంపిణీ సంస్థలను నాణ్యమైన విద్యుత్ సరఫరా కోసం అడిగే హక్కు కలిగించడానికి, విద్యుత్ పంపిణీ సంస్థలు రైతులకు జవాబుదారీగా నిలవడానికి రాష్ట్ర ప్రభుత్వం వై. యస్. ఆర్. **ఉచిత వ్యవసాయ విద్యుత్ పథకాన్ని** ప్రారంభించి అందులో భాగంగా 202122 సంవత్సరం మొదలు వ్యవసాయ విద్యుత్ కనెక్షన్లన్నింటికీ విద్యుత్ మీటర్లు బిగించాలని నిర్ణయం తీసుకొంది. ఈ పథకాన్ని మొదటగా శ్రీకాకుళం జిల్లాలో ప్రారంభించి పూర్తి చేయడం జరిగింది, మిగిలిన జిల్లాలలో ఈ ప్రక్రియ ప్రారంభించడం జరుగుతుంది.

అంతే కాకుండా విద్యుత్ నష్టాలను తగ్గించడానికి, విద్యుత్ వ్యవస్థను ఆధునికీకరించడానికి, ప్రీ పెయిడ్ మీటర్లను బిగించడానికి మరియు ఉద్యోగులకు వీటికి అవసరమైన శిక్షణ, సామర్థ్య పెంపుదలకు కేంద్ర ప్రభుత్వం ప్రకటించిన "రీ వేంపడ్ డిస్ట్రిబ్యూషన్ సెక్టార్ స్కీం" లో సుమారు రూ. 17,220 కోట్లతో డి.పి.ఆర్ లు పంపించడం జరిగింది. కేంద్ర ప్రభుత్వ అనుమతులు రాగానే పనులు ప్రారంభించడం జరుగుతుంది

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

కుమార్తె
ఉపకారము
ఇందున

ANNEXURE – 04 (A)**FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2022-23 – APSDCL**

S. No.	Generating Station	Gross Energy Availability (MU)												
		April	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Apogenco-Thermal													
2	Dr. NTPS	313.06	323.50	313.06	323.50	269.69	288.61	269.69	288.61	323.50	323.50	292.19	323.50	3652.41
3	Dr. NTPS-IV	131.03	135.39	131.03	135.39	135.39	131.03	135.39	65.51	135.39	135.39	122.29	135.39	1528.63
4	RTPP Stage-I	103.95	107.41	103.95	81.43	107.41	103.95	81.43	103.95	107.41	107.41	97.02	107.41	1212.71
5	RTPP Stage-II	107.62	111.20	107.62	111.20	111.20	107.62	111.20	80.71	84.30	111.20	100.44	111.20	1255.52
6	RTPP Stage-III	51.97	53.71	51.97	53.71	53.71	25.99	53.71	51.97	53.71	53.71	48.51	53.71	606.36
7	RTPP Stage-IV	162.47	167.89	162.47	167.89	167.89	162.47	59.57	162.47	167.89	167.89	151.64	167.89	1868.42
8	AP Genco-Thermal Total	870.10	899.10	870.10	873.12	845.29	819.67	710.99	753.22	872.20	899.10	812.09	899.10	10124.05
9	APGenco - Hydel													
10	Srisaillam RCPH	13.80	4.24	1.88	7.66	81.85	74.45	61.61	19.41	7.82	16.09	26.52	25.82	341.14
11	NSRCPH	0.14	0.14	0.00	0.00	4.31	8.07	6.86	7.45	5.33	3.60	1.49	0.78	38.17
12	NSTPDC PH	0.40	0.40	0.40	1.62	3.24	5.26	5.26	6.47	6.47	3.64	1.62	1.62	36.40
13	Upper Sileru	19.14	12.49	10.22	12.81	12.97	13.01	14.93	15.94	13.90	19.96	21.15	26.20	192.72
14	Lower Sileru	38.22	28.09	25.51	35.98	38.03	36.27	36.16	35.03	37.93	42.44	42.85	46.10	442.62
15	Donkarayi	2.94	2.60	1.90	2.77	2.40	3.54	3.95	3.48	3.82	3.67	3.93	3.91	38.92
16	PABM	0.00	0.00	0.00	0.01	0.31	0.30	0.44	0.30	0.34	0.17	0.17	0.16	2.19
17	Minihydel(Chettipet)	0.05	0.00	0.03	0.15	0.12	0.13	0.03	0.02	0.11	0.16	0.11	0.15	1.07
18	APGenco Hydel Total	74.69	47.96	39.94	61.00	143.23	141.03	129.24	88.10	75.72	89.73	97.84	104.74	1093.23
19	Inter State - Hydel													
20	Machkund AP Share	10.45	11.45	9.62	10.93	11.65	9.90	9.40	8.95	9.34	10.19	10.05	10.47	122.41
21	TB Dam AP Share	0.79	0.18	0.05	1.55	6.69	7.93	7.23	6.34	3.93	4.73	3.20	3.19	45.82
22	Inter State - Hydel Total	11.24	11.63	9.67	12.48	18.34	17.83	16.63	15.29	13.27	14.92	13.25	13.66	168.23
23	APGenco - Total	956.03	958.69	919.71	946.60	1006.86	978.53	856.86	856.61	961.19	1003.75	923.18	1017.50	11385.51
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	65.69	67.88	69.71	75.22	75.22	55.02	75.22	72.79	56.85	75.22	67.94	75.22	831.98
26	NTPC(SR) Simhadri Stage-I	123.82	127.92	71.04	127.92	127.92	123.82	127.92	123.82	127.92	127.92	115.61	127.92	1453.52
27	NTPC(SR) Simhadri Stage-II	40.75	33.25	54.78	56.59	56.59	54.78	56.59	54.78	56.59	56.59	51.15	56.59	629.04
28	NTPC(SR) Talcher Stage-II	45.97	47.53	45.97	39.70	41.33	32.86	47.53	45.97	47.53	47.53	42.83	47.53	532.27
29	NTPC(SR) Ramagundam III	18.46	19.08	18.46	19.08	19.08	18.46	19.08	18.46	19.08	19.08	17.23	19.08	224.64

S. No.	Generating Station	Gross Energy Availability (MU)												
		April	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
30	NTPC Kudgi Stage-I	59.69	61.67	59.69	61.67	41.12	41.08	61.67	59.69	61.67	61.67	55.71	61.67	687.01
31	NTECL Valluru	23.05	23.81	23.05	23.81	23.81	21.64	23.81	15.29	18.47	23.81	21.51	23.81	265.88
32	NLC Stage-I	11.48	6.61	5.75	4.60	4.42	4.47	6.20	6.25	6.48	6.63	5.93	6.63	75.44
33	NLC Stage-II	21.06	8.13	7.25	8.76	8.76	8.51	6.86	6.38	6.53	7.43	7.91	8.76	106.37
34	NPC(MAPS)	1.57	1.63	1.57	1.63	1.63	1.57	1.63	1.57	1.63	1.63	1.45	1.63	19.14
35	NPC(KAIGA unit I,II,III,IV)	24.83	25.66	24.83	25.66	25.66	24.83	19.24	21.73	19.24	22.14	23.17	25.66	282.65
36	NTPL(NLC TamilNadu)	30.73	31.95	20.22	24.67	31.95	30.73	28.31	30.73	31.95	31.95	28.71	31.95	353.85
37	NLC NNTPS	12.30	12.72	7.16	12.66	12.66	12.23	12.23	11.89	7.31	12.74	11.55	12.74	138.21
38	CGS TOTAL	479.40	467.84	409.48	481.97	470.15	430.00	486.29	469.35	461.25	494.34	450.70	499.19	5600.00
39	JNN SM Thermal (Bundled)													
40	JNN SM Ph-1 Thermal	9.61	9.68	10.19	10.48	9.23	8.07	10.66	10.32	9.87	10.66	9.63	10.66	119.06
41	JNN SM Thermal (Bundled) - Total	9.61	9.68	10.19	10.48	9.23	8.07	10.66	10.32	9.87	10.66	9.63	10.66	119.06
42	NCE													
43	NCE- Others	9.58	11.96	8.66	2.52	4.78	4.75	15.87	13.56	15.23	18.10	12.37	11.73	129.08
44	NCE Wind	363.00	583.66	1128.24	1060.77	905.83	801.37	315.51	300.34	369.04	314.91	299.83	305.83	6748.35
45	NCE Solar	222.13	221.30	194.05	129.99	204.67	203.24	186.53	172.48	184.62	201.21	220.70	226.35	2367.27
46	NCE Solar Parks	34.24	35.19	32.32	29.45	28.49	28.49	30.29	27.35	30.64	32.29	33.91	39.02	381.70
47	NTPC - SBG NP KUNTA	55.91	55.22	49.01	43.31	44.39	44.38	42.61	37.04	41.12	45.40	50.31	59.96	568.66
48	NTPC Ayana NP Kunta	51.20	53.20	48.60	42.21	43.59	43.59	40.00	35.43	40.80	42.68	48.76	58.40	548.47
49	NTPC Spring Agnitra NP Kunta	50.80	51.80	43.22	39.91	43.12	43.12	40.00	35.43	39.84	43.96	47.54	57.63	536.35
50	JNN SM Ph-1 Solar	9.42	4.76	2.52	2.14	0.88	0.52	1.41	2.28	0.22	-0.10	7.35	1.34	32.74
51	JNN SM Ph-2 Solar	226.93	306.66	213.03	185.49	129.28	221.95	183.92	212.26	218.44	269.19	227.84	284.03	2679.03
52	NCE TOTAL	1023.21	1323.75	1719.65	1535.79	1405.03	1391.41	856.14	836.17	939.95	967.64	948.61	1044.29	13991.65
53	Others													
54	APPDCL Stage-I	387.67	400.59	387.67	400.59	400.59	387.67	297.21	387.67	297.21	400.59	361.83	396.09	4505.42
55	Godavari Gas Power Plant	18.04	18.67	18.04	10.12	-0.40	18.04	18.67	18.04	18.67	18.67	16.77	18.67	191.97
56	Thermal Powertech Corporation	57.06	58.96	57.06	58.96	58.96	57.06	58.96	53.23	58.96	58.96	53.26	58.96	690.40
57	Others - Total	462.77	478.22	462.77	469.67	459.15	462.77	374.84	458.94	374.84	478.22	431.86	473.72	5387.79
58	Total (from all Sources)	2931.02	3238.18	3521.80	3444.51	3350.42	3270.78	2584.79	2631.39	2747.10	2954.61	2763.98	3045.36	36484.01

ANNEXURE – 04 (B)**FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2022-23 – APEPDCL**

S. No.	Generating Station	Gross Energy Availability (MU)												
		April	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Appenco-Thermal													
2	Dr. NTPS	280.39	289.74	280.39	289.74	241.55	258.49	241.55	258.49	289.74	289.74	261.70	289.74	3271.27
3	Dr. NTPS-IV	117.35	121.26	117.35	121.26	121.26	117.35	121.26	58.68	121.26	121.26	109.53	121.26	1369.12
4	RTPP Stage-I	93.10	96.20	93.10	72.93	96.20	93.10	72.93	93.10	96.20	96.20	86.89	96.20	1086.17
5	RTPP Stage-II	96.39	99.60	96.39	99.60	99.60	96.39	99.60	72.29	75.50	99.60	89.96	99.60	1124.50
6	RTPP Stage-III	46.55	48.10	46.55	48.10	48.10	23.27	48.10	46.55	48.10	48.10	43.45	48.10	543.08
7	RTPP Stage-IV	145.52	150.37	145.52	150.37	150.37	145.52	53.36	145.52	150.37	150.37	135.82	150.37	1673.45
8	AP Genco-Thermal Total	779.30	805.27	779.30	782.00	757.08	734.12	636.80	674.63	781.17	805.27	727.35	805.27	9067.59
9	APGenco - Hydel													
10	Srisaillam RCPH	12.36	3.80	1.68	6.86	73.31	66.69	55.18	17.38	7.00	14.41	23.75	23.12	305.54
11	NSRCPH	0.13	0.12	0.00	0.00	3.86	7.23	6.14	6.68	4.78	3.22	1.33	0.70	34.19
12	NSTPDC PH	0.36	0.36	0.36	1.45	2.90	4.71	4.71	5.80	5.80	3.26	1.45	1.45	32.60
13	Upper Sileru	17.14	11.18	9.16	11.47	11.62	11.65	13.37	14.27	12.45	17.88	18.94	23.47	172.61
14	Lower Sileru	34.23	25.16	22.85	32.23	34.06	32.48	32.39	31.38	33.97	38.01	38.38	41.29	396.43
15	Donkarayi	2.63	2.33	1.70	2.48	2.15	3.17	3.54	3.12	3.43	3.29	3.52	3.50	34.86
16	PABM	0.00	0.00	0.00	0.01	0.28	0.27	0.39	0.27	0.30	0.15	0.15	0.15	1.97
17	Minihydel(Chettipet)	0.05	0.00	0.02	0.14	0.11	0.12	0.03	0.02	0.10	0.14	0.10	0.13	0.96
18	APGenco Hydel Total	66.90	42.95	35.77	54.64	128.29	126.32	115.75	78.92	67.83	80.36	87.62	93.81	979.16
19	Inter State - Hydel													
20	Machkund AP Share	9.36	10.26	8.62	9.79	10.43	8.87	8.42	8.01	8.37	9.13	9.00	9.38	109.63
21	TB Dam AP Share	0.71	0.16	0.05	1.39	6.00	7.10	6.48	5.68	3.52	4.24	2.86	2.86	41.04
22	Inter State - Hydel Total	10.07	10.42	8.67	11.18	16.43	15.97	14.90	13.69	11.89	13.37	11.86	12.24	150.67
23	APGenco - Total	856.27	858.64	823.74	847.82	901.80	876.41	767.45	767.24	860.89	899.00	826.83	911.32	10197.42
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	58.83	60.79	62.44	67.37	67.37	49.28	67.37	65.20	50.92	67.37	60.85	67.37	745.16
26	NTPC(SR) Simhadri Stage-I	110.89	114.57	63.63	114.57	114.57	110.89	114.57	110.89	114.57	114.57	103.55	114.57	1301.85
27	NTPC(SR) Simhadri Stage-II	36.50	29.78	49.06	50.69	50.69	49.06	50.69	49.06	50.69	50.69	45.81	50.69	563.40

S. No.	Generating Station	Gross Energy Availability (MU)												
		April	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
28	NTPC(SR) Talcher Stage-II	41.17	42.57	41.17	35.56	37.02	29.43	42.57	41.17	42.57	42.57	38.36	42.57	476.72
29	NTPC(SR) Ramagundam III	16.54	17.09	16.54	17.09	17.09	16.54	17.09	16.54	17.09	17.09	15.43	17.09	201.20
30	NTPC Kudgi Stage-I	53.46	55.24	53.46	55.24	36.83	36.80	55.24	53.46	55.24	55.24	49.89	55.24	615.32
31	NTECL Valluru	20.64	21.33	20.64	21.33	21.33	19.38	21.33	13.69	16.54	21.33	19.27	21.33	238.13
32	NLC Stage-I	10.28	5.92	5.15	4.12	3.95	4.00	5.55	5.60	5.80	5.94	5.31	5.94	67.57
33	NLC Stage-II	18.86	7.28	6.49	7.85	7.85	7.63	6.15	5.72	5.85	6.66	7.09	7.85	95.27
34	NPC(MAPS)	1.40	1.46	1.40	1.46	1.46	1.40	1.46	1.40	1.46	1.46	1.30	1.46	17.15
35	NPC(KAIGA unit I,II,III,IV)	22.24	22.98	22.24	22.98	22.98	22.24	17.24	19.46	17.24	19.83	20.76	22.98	253.15
36	NTPL(NLC TamilNadu)	27.53	28.61	18.11	22.09	28.61	27.53	25.35	27.53	28.61	28.61	25.72	28.61	316.93
37	NLC NNTPS	11.01	11.40	6.41	11.34	11.34	10.96	10.96	10.65	6.55	11.41	10.35	11.41	123.79
38	CGS TOTAL	429.35	419.02	366.74	431.69	421.09	385.14	435.57	420.37	413.13	442.77	403.69	447.11	5015.64
39	JNNSM Thermal (Bundled)													
40	JNNSM Ph-1 Thermal	8.61	8.67	9.12	9.38	8.27	7.23	9.55	9.24	8.84	9.55	8.63	9.55	106.64
41	JNNSM Thermal (Bundled) - Total	8.61	8.67	9.12	9.38	8.27	7.23	9.55	9.24	8.84	9.55	8.63	9.55	106.64
42	NCE													
43	NCE- Others	14.00	12.91	13.16	13.80	13.82	12.78	14.33	13.76	14.20	15.52	13.32	14.26	165.85
44	NCE Solar	1.41	1.38	1.08	1.07	1.11	1.06	0.94	1.09	1.23	1.19	1.26	1.32	14.13
45	NCE TOTAL	15.41	14.29	14.24	14.87	14.93	13.84	15.27	14.85	15.43	16.71	14.58	15.58	179.98
46	Others													
47	APPDCL Stage-I	347.22	358.79	347.22	358.79	358.79	347.22	266.20	347.22	266.20	358.79	324.07	354.76	4035.27
48	Godavari Gas Power Plant	16.15	16.72	16.15	9.06	-0.36	16.15	16.72	16.15	16.72	16.72	15.02	16.72	171.94
49	Thermal Powertech Corporation	51.11	52.81	51.11	52.81	52.81	51.11	52.81	47.68	52.81	52.81	47.70	52.81	618.35
50	Others - Total	414.48	428.32	414.48	420.66	411.24	414.48	335.73	411.05	335.73	428.32	386.79	424.29	4825.56
51	Total (from all Sources)	1724.12	1728.94	1628.32	1724.42	1757.33	1697.10	1563.57	1622.75	1634.02	1796.35	1640.52	1807.85	20325.24

ANNEXURE – 04 (C)**FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2022-23 – APCPDCL**

S. No	Generating Station	Gross Energy Availability (MU)												
		April	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Aggenco-Thermal													
2	Dr. NTPS	180.69	186.71	180.69	186.71	155.65	166.57	155.65	166.57	186.71	186.71	168.64	186.71	2107.99
3	Dr. NTPS-IV	75.62	78.14	75.62	78.14	78.14	75.62	78.14	37.81	78.14	78.14	70.58	78.14	882.25
4	RTPP Stage-I	59.99	61.99	59.99	46.99	61.99	59.99	46.99	59.99	61.99	61.99	55.99	61.99	699.92
5	RTPP Stage-II	62.11	64.18	62.11	64.18	64.18	62.11	64.18	46.58	48.65	64.18	57.97	64.18	724.62
6	RTPP Stage-III	30.00	31.00	30.00	31.00	31.00	15.00	31.00	30.00	31.00	31.00	28.00	31.00	349.96
7	RTPP Stage-IV	93.77	96.90	93.77	96.90	96.90	93.77	34.38	93.77	96.90	96.90	87.52	96.90	1078.36
8	AP Genco-Thermal Total	502.18	518.92	502.18	503.92	487.86	473.06	410.34	434.72	503.39	518.92	468.70	518.92	5843.10
9	APGenco - Hydel													
10	Srisaillam RCPH	7.97	2.45	1.09	4.42	47.24	42.97	35.56	11.20	4.51	9.29	15.30	14.90	196.89
11	NSRCPH	0.08	0.08	0.00	0.00	2.49	4.66	3.96	4.30	3.08	2.08	0.86	0.45	22.03
12	NSTPDC PH	0.23	0.23	0.23	0.93	1.87	3.03	3.03	3.73	3.73	2.10	0.93	0.93	21.01
13	Upper Sileru	11.05	7.21	5.90	7.39	7.49	7.51	8.62	9.20	8.02	11.52	12.21	15.12	111.23
14	Lower Sileru	22.06	16.21	14.72	20.77	21.95	20.93	20.87	20.22	21.89	24.50	24.73	26.61	255.46
15	Donkarayi	1.70	1.50	1.10	1.60	1.38	2.04	2.28	2.01	2.21	2.12	2.27	2.25	22.46
16	PABM	0.00	0.00	0.00	0.01	0.18	0.17	0.25	0.17	0.19	0.10	0.10	0.09	1.27
17	Minihydel (Chettipet)	0.03	0.00	0.02	0.09	0.07	0.08	0.02	0.01	0.07	0.09	0.07	0.09	0.62
18	APGenco Hydel Total	43.12	27.68	23.06	35.21	82.67	81.39	74.59	50.84	43.70	51.80	56.47	60.44	630.97
19	Inter State - Hydel													
20	Machkund AP Share	6.03	6.61	5.55	6.31	6.72	5.71	5.43	5.16	5.39	5.88	5.80	6.04	70.65
21	TB Dam AP Share	0.46	0.11	0.03	0.89	3.86	4.57	4.17	3.66	2.27	2.73	1.84	1.84	26.45
22	Inter State - Hydel Total	6.49	6.72	5.58	7.20	10.58	10.28	9.60	8.82	7.66	8.61	7.64	7.88	97.10
23	APGenco - Total	551.79	553.32	530.82	546.33	581.11	564.73	494.53	494.38	554.75	579.33	532.81	587.24	6571.17
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	37.91	39.17	40.23	43.41	43.41	31.75	43.41	42.01	32.81	43.41	39.21	43.41	480.18
26	NTPC(SR) Simhadri Stage-I	71.46	73.83	41.00	73.83	73.83	71.46	73.83	71.46	73.83	73.83	66.72	73.83	838.90
27	NTPC(SR) Simhadri Stage-II	23.52	19.19	31.62	32.66	32.66	31.62	32.66	31.62	32.66	32.66	29.52	32.66	363.05
28	NTPC(SR) Talcher Stage-II	26.53	27.43	26.53	22.91	23.85	18.96	27.43	26.53	27.43	27.43	24.72	27.43	307.20
29	NTPC(SR) Ramagundam III	10.66	11.01	10.66	11.01	11.01	10.66	11.01	10.66	11.01	11.01	9.95	11.01	129.65

S. No	Generating Station	Gross Energy Availability (MU)												
		April	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
30	NTPC Kudgi Stage-I	34.45	35.60	34.45	35.60	23.73	23.71	35.60	34.45	35.60	35.60	32.15	35.60	396.51
31	NTECL Valluru	13.30	13.74	13.30	13.74	13.74	12.49	13.74	8.82	10.66	13.74	12.41	13.74	153.45
32	NLC Stage-I	6.63	3.82	3.32	2.65	2.55	2.58	3.58	3.61	3.74	3.83	3.42	3.83	43.54
33	NLC Stage-II	12.16	4.69	4.18	5.06	5.06	4.91	3.96	3.68	3.77	4.29	4.57	5.06	61.39
34	NPC(MAPS)	0.90	0.94	0.90	0.94	0.94	0.90	0.94	0.90	0.94	0.94	0.84	0.94	11.05
35	NPC(KAIGA unit I,II,III,IV)	14.33	14.81	14.33	14.81	14.81	14.33	11.11	12.54	11.11	12.78	13.38	14.81	163.13
36	NTPL(NLC TamilNadu)	17.74	18.44	11.67	14.24	18.44	17.74	16.34	17.74	18.44	18.44	16.57	18.44	204.23
37	NLC NNTPS	7.10	7.34	4.13	7.31	7.31	7.06	7.06	6.86	4.22	7.36	6.67	7.36	79.77
38	CGS TOTAL	276.69	270.01	236.32	278.17	271.34	248.17	280.67	270.88	266.22	285.32	260.13	288.12	3232.05
39	JNNSM Thermal (Bundled)													
40	JNNSM Ph-1 Thermal	5.55	5.59	5.88	6.05	5.33	4.66	6.15	5.96	5.69	6.15	5.56	6.15	68.72
41	JNNSM Thermal (Bundled) - Total	5.55	5.59	5.88	6.05	5.33	4.66	6.15	5.96	5.69	6.15	5.56	6.15	68.72
42	NCE													
43	NCE- Others	11.24	12.05	11.60	13.81	12.07	10.56	13.35	12.74	14.31	12.92	13.92	14.05	152.62
44	NCE Solar	3.85	3.57	3.26	2.38	3.62	3.48	2.83	2.59	3.12	3.24	3.41	4.14	39.49
45	NCE TOTAL	15.09	15.62	14.86	16.19	15.69	14.04	16.18	15.33	17.43	16.16	17.33	18.19	192.11
46	Others													
47	APPDCL Stage-I	223.75	231.20	223.75	231.20	231.20	223.75	171.54	223.75	171.54	231.20	208.83	228.61	2600.31
48	Godavari Gas Power Plant	10.41	10.77	10.41	5.84	-0.23	10.41	10.77	10.41	10.77	10.77	9.68	10.77	110.79
49	Thermal Powertech Corporation	32.93	34.03	32.93	34.03	34.03	32.93	34.03	30.72	34.03	34.03	30.74	34.03	398.46
50	Others - Total	267.09	276.00	267.09	271.07	265.00	267.09	216.34	264.88	216.34	276.00	249.25	273.41	3109.56
51	Total (from all Sources)	1116.21	1120.54	1054.97	1117.81	1138.47	1098.69	1013.87	1051.43	1060.43	1162.96	1065.08	1173.11	13173.61

ANNEXURE – 04 (D)**FILING – STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2022-23– DISCOMS (TOTAL)**

S. No	Generating Station	Gross Energy Availability (MU)												
		April	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Apogenco-Thermal													
2	Dr. NTPS	774.14	799.95	774.14	799.95	666.89	713.67	666.89	713.67	799.95	799.95	722.53	799.95	9031.68
3	Dr. NTPS-IV	324.00	334.79	324.00	334.79	334.79	324.00	334.79	162.00	334.79	334.79	302.40	334.79	3779.93
4	RTPP Stage-I	257.04	265.60	257.04	201.35	265.60	257.04	201.35	257.04	265.60	265.60	239.90	265.60	2998.76
5	RTPP Stage-II	266.12	274.98	266.12	274.98	274.98	266.12	274.98	199.58	208.45	274.98	248.37	274.98	3104.64
6	RTPP Stage-III	128.52	132.81	128.52	132.81	132.81	64.26	132.81	128.52	132.81	132.81	119.96	132.81	1499.45
7	RTPP Stage-IV	401.76	415.16	401.76	415.16	415.16	401.76	147.31	401.76	415.16	415.16	374.98	415.16	4620.29
8	AP Genco-Thermal Total	2151.58	2223.29	2151.58	2159.04	2090.23	2026.85	1758.13	1862.57	2156.76	2223.29	2008.14	2223.29	25034.75
9	APGenco - Hydel													
10	Srisaillam RCPH	34.13	10.49	4.65	18.94	202.40	184.11	152.35	47.99	19.33	39.79	65.57	63.84	843.59
11	NSRCPH	0.35	0.34	0.00	0.00	10.66	19.96	16.96	18.43	13.19	8.90	3.68	1.93	94.40
12	NSTPDC PH	0.99	0.99	0.99	4.00	8.01	13.00	13.00	16.00	16.00	9.00	4.00	4.00	89.98
13	Upper Sileru	47.33	30.88	25.28	31.67	32.08	32.17	36.92	39.41	34.37	49.36	52.30	64.79	476.56
14	Lower Sileru	94.51	69.46	63.08	88.98	94.04	89.68	89.42	86.63	93.79	104.95	105.96	114.00	1094.50
15	Donkarayi	7.27	6.43	4.70	6.85	5.93	8.75	9.77	8.61	9.46	9.08	9.72	9.66	96.23
16	PABM	0.00	0.00	0.00	0.03	0.77	0.74	1.08	0.74	0.83	0.42	0.42	0.40	5.43
17	Minihydel(Chettipet)	0.13	0.00	0.07	0.38	0.30	0.33	0.08	0.05	0.28	0.39	0.28	0.37	2.66
18	APGenco Hydel Total	184.71	118.59	98.77	150.85	354.19	348.74	319.58	217.86	187.25	221.89	241.93	258.99	2703.35
19	Inter State - Hydel													
20	Machkund AP Share	25.84	28.32	23.79	27.03	28.80	24.48	23.25	22.12	23.10	25.20	24.85	25.89	302.67
21	TB Dam AP Share	1.96	0.45	0.13	3.83	16.55	19.60	17.88	15.68	9.72	11.70	7.90	7.89	113.29
22	Inter State - Hydel Total	27.80	28.77	23.92	30.86	45.35	44.08	41.13	37.80	32.82	36.90	32.75	33.78	415.96
23	APGenco - Total	2364.09	2370.65	2274.27	2340.75	2489.77	2419.67	2118.84	2118.23	2376.83	2482.08	2282.82	2516.06	28154.06
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	162.43	167.84	172.38	186.00	186.00	136.05	186.00	180.00	140.58	186.00	168.00	186.00	2057.28
26	NTPC(SR) Simhadri Stage-I	306.17	316.32	175.67	316.32	316.32	306.17	316.32	306.17	316.32	316.32	285.88	316.32	3594.30
27	NTPC(SR) Simhadri Stage-II	100.77	82.22	135.46	139.94	139.94	135.46	139.94	135.46	139.94	139.94	126.48	139.94	1555.49
28	NTPC(SR) Talcher Stage-II	113.67	117.53	113.67	98.17	102.20	81.25	117.53	113.67	117.53	117.53	105.91	117.53	1316.19

S. No	Generating Station	Gross Energy Availability (MU)												
		April	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
29	NTPC(SR) Ramagundam III	45.66	47.18	45.66	47.18	47.18	45.66	47.18	45.66	47.18	47.18	42.61	47.18	555.51
30	NTPC Kudgi Stage-I	147.60	152.51	147.60	152.51	101.68	101.59	152.51	147.60	152.51	152.51	137.75	152.51	1698.88
31	NTECL Valluru	56.99	58.88	56.99	58.88	58.88	53.51	58.88	37.80	45.67	58.88	53.19	58.88	657.43
32	NLC Stage-I	28.39	16.35	14.22	11.37	10.92	11.05	15.33	15.46	16.02	16.40	14.66	16.40	186.57
33	NLC Stage-II	52.08	20.10	17.92	21.67	21.67	21.05	16.97	15.78	16.15	18.38	19.57	21.67	263.01
34	NPC(MAPS)	3.87	4.03	3.87	4.03	4.03	3.87	4.03	3.87	4.03	4.03	3.59	4.03	47.28
35	NPC(KAIGA unit I,II,III,IV)	61.40	63.45	61.40	63.45	63.45	61.40	47.59	53.73	47.59	54.75	57.31	63.45	698.97
36	NTPL(NLC TamilNadu)	76.00	79.00	50.00	61.00	79.00	76.00	70.00	76.00	79.00	79.00	71.00	79.00	875.00
37	NLC NNTPS	30.41	31.46	17.70	31.31	31.31	30.25	30.25	29.40	18.08	31.51	28.57	31.51	341.76
38	CGS TOTAL	1185.44	1156.87	1012.54	1191.83	1162.58	1063.31	1202.53	1160.60	1140.60	1222.43	1114.52	1234.42	13847.67
39	JNNSM Thermal (Bundled)													
40	JNNSM Ph-1 Thermal	23.77	23.94	25.19	25.91	22.83	19.96	26.36	25.52	24.40	26.36	23.82	26.36	294.42
41	JNNSM Thermal (Bundled) - Total	23.77	23.94	25.19	25.91	22.83	19.96	26.36	25.52	24.40	26.36	23.82	26.36	294.42
42	NCE													
43	NCE- Others	34.82	36.92	33.42	30.13	30.67	28.09	43.55	40.06	43.74	46.54	39.61	40.04	447.59
44	NCE Wind	363.00	583.66	1128.24	1060.77	905.83	801.37	315.51	300.34	369.04	314.91	299.83	305.83	6748.33
45	NCE Solar	227.39	226.25	198.39	133.44	209.40	207.78	190.30	176.16	188.97	205.64	225.37	231.81	2420.90
46	NCE Solar Parks	34.24	35.19	32.32	29.45	28.49	28.49	30.29	27.35	30.64	32.29	33.91	39.02	381.68
47	NTPC - SBG NP KUNTA	55.91	55.22	49.01	43.31	44.39	44.38	42.61	37.04	41.12	45.40	50.31	59.96	568.66
48	NTPC Ayana NP Kunta	51.20	53.20	48.60	42.21	43.59	43.59	40.00	35.43	40.80	42.68	48.76	58.40	548.46
49	NTPC Spring Agnitra NP Kunta	50.80	51.80	43.22	39.91	43.12	43.12	40.00	35.43	39.84	43.96	47.54	57.63	536.37
50	JNNSM Ph-1 Solar	9.42	4.76	2.52	2.14	0.88	0.52	1.41	2.28	0.22	-0.10	7.35	1.34	32.74
51	JNNSM Ph-2 Solar	226.93	306.66	213.03	185.49	129.28	221.95	183.92	212.26	218.44	269.19	227.84	284.03	2679.02
52	NCE TOTAL	1053.71	1353.66	1748.75	1566.85	1435.65	1419.29	887.59	866.35	972.81	1000.51	980.52	1078.06	14363.75
53	Others													
54	APPDCL Stage-I	958.64	990.58	958.64	990.58	990.58	958.64	734.95	958.64	734.95	990.58	894.73	979.46	11140.97
55	Godavari Gas Power Plant	44.60	46.16	44.60	25.02	-0.99	44.60	46.16	44.60	46.16	46.16	41.47	46.16	474.70
56	Thermal Powertech Corporation	141.10	145.80	141.10	145.80	145.80	141.10	145.80	131.63	145.80	145.80	131.70	145.80	1707.23
57	Others - Total	1144.34	1182.54	1144.34	1161.40	1135.39	1144.34	926.91	1134.87	926.91	1182.54	1067.90	1171.42	13322.90
58	Total (from all Sources)	5771.35	6087.66	6205.09	6286.74	6246.22	6066.57	5162.23	5305.57	5441.55	5913.92	5469.58	6026.32	69982.80

ANNEXURE – 05 (A)**APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2022-23 – APSPDCL**

Gross Energy Availability (MU) at Ex-BUS														
S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
1	APGenco-Thermal													
2	Dr. NTPS	279.29	288.60	279.29	288.60	242.05	256.02	242.05	256.02	288.60	288.60	260.67	288.60	3258.43
3	Dr. NTPS-IV	112.35	116.09	112.35	116.09	116.09	112.35	116.09	56.17	116.09	116.09	104.86	116.09	1310.74
4	RTPP Stage -I	93.10	96.20	93.10	72.93	96.20	93.10	72.93	93.10	96.20	96.20	86.89	96.20	1086.14
5	RTPP Stage-II	93.10	96.20	93.10	96.20	96.20	93.10	96.20	69.82	72.93	96.20	86.89	96.20	1086.14
6	RTPP Stage-III	46.55	48.10	46.55	48.10	48.10	23.27	48.10	46.55	48.10	48.10	43.45	48.10	543.07
7	RTPP Stage-IV	145.32	150.17	145.32	150.17	150.17	145.32	53.28	145.32	150.17	150.17	135.63	150.17	1671.20
8	APGENCO Thermal - total	769.71	795.37	769.71	772.09	748.82	723.16	628.66	666.99	772.09	795.37	718.40	795.37	8955.73
9	APGenco - Hydel													
10	Srisaillam Right Bank Power House (AP)	13.80	4.24	1.88	20.62	93.98	94.67	61.61	19.41	19.41	16.09	26.52	25.82	398.05
11	Nagarjunasagar Right Bank Power House (AP)	0.14	0.14	0.00	0.00	4.31	8.07	6.86	7.45	5.33	3.60	1.49	0.78	38.18
12	Nagarjunasagar Tail Pond Dam Power House	0.40	0.40	0.40	1.62	3.24	5.26	5.26	6.47	6.47	3.64	1.62	1.62	36.39
13	Upper Sileru Power House (AP)	19.14	12.49	10.22	12.81	12.97	13.01	14.93	15.94	13.90	19.96	21.15	26.20	192.72
14	Lower Sileru Power House (AP)	38.22	28.09	25.51	35.98	38.03	36.27	36.16	35.03	37.93	42.44	42.85	46.10	442.62
15	DONKARAYI (AP)	2.94	2.60	1.90	2.77	2.40	3.54	3.95	3.48	3.83	3.67	3.93	3.91	38.92
16	Penna Ahobilam (AP)	0.00	0.00	0.00	0.01	0.31	0.30	0.44	0.30	0.34	0.17	0.17	0.16	2.20
17	MINI HYDEL(Chettipeta)-AP	0.05	0.00	0.03	0.15	0.12	0.13	0.03	0.02	0.11	0.16	0.11	0.15	1.08
18	APGenco- Hydel Total	74.70	47.96	39.94	73.97	155.37	161.25	129.24	88.10	87.31	89.73	97.84	104.74	1150.14
19	Inter State - Hydel													
20	MACHKUND PH AP Share	12.47	13.47	11.64	12.95	13.67	11.92	11.42	10.97	11.36	12.21	12.07	12.49	146.66
21	TUNGBHADRA PH AP Share	0.79	0.18	0.05	3.57	8.71	8.71	7.23	6.34	3.93	4.73	3.19	3.19	50.65
22	Inter State - Hydel Total	13.26	13.66	11.70	16.52	22.38	20.64	18.65	17.31	15.29	16.94	15.27	15.68	197.31

Gross Energy Availability (MU) at Ex-BUS														
S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
23	APGENCO Total	857.67	856.98	821.35	862.58	926.57	905.05	776.56	772.40	874.70	902.04	831.50	915.79	10303.18
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	57.14	57.14	60.55	69.54	69.54	48.12	69.54	69.54	48.12	69.54	69.54	69.54	757.84
26	NTPC(SR) Simhadri Stage-I	109.71	113.82	56.94	113.82	113.82	109.71	113.82	109.71	113.82	113.82	101.51	113.82	1284.32
27	NTPC(SR) Simhadri Stage-II	35.68	28.18	49.71	51.52	51.52	49.71	51.52	49.71	51.52	51.52	46.08	51.52	568.19
28	NTPC(SR) Talcher Stage-II	42.48	44.08	42.48	36.07	37.74	29.07	44.08	42.48	44.08	44.08	39.27	44.08	489.99
29	NTPC(SR) Ramagundam III	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10	193.25
30	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
31	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
32	NLC Stage-I	6.41	6.87	5.78	4.78	4.58	4.49	6.44	6.28	6.51	6.89	5.56	6.89	71.47
33	NLC Stage-II	11.76	11.60	10.01	12.51	12.51	11.76	9.80	8.81	9.02	10.61	10.20	12.51	131.10
34	NPC(MAPS)	1.57	1.63	1.57	1.63	1.63	1.57	1.63	1.57	1.63	1.63	1.45	1.63	19.14
35	NPC - Kaiga unit I,II,III & IV	27.49	27.49	27.49	27.49	27.49	27.49	27.49	27.49	27.49	27.49	27.49	27.49	329.85
36	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
37	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
38	CGS Total	308.34	306.92	270.62	333.45	334.93	298.02	340.41	331.69	318.30	341.67	317.20	343.58	3845.14
39	JNN SM Thermal (Bundled)													
40	JNN SM Ph-I Thermal (Bundled)	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	128.60
41	NCE													
42	NCE - Others	11.21	13.59	10.29	4.15	6.41	6.38	17.50	15.19	16.86	19.73	14.00	13.36	148.67
43	NCE - Wind Power	418.31	641.97	1183.55	1116.08	961.14	856.68	370.82	355.65	424.35	370.22	355.14	361.14	7415.05
44	NCE - Solar (other than JNN SM)	407.77	410.20	360.69	278.36	357.75	356.31	332.93	301.22	330.51	359.03	394.71	434.85	4324.33
45	JNN SM Ph-1 solar	12.24	7.58	5.34	4.96	3.70	3.34	4.23	5.10	3.04	2.82	10.17	4.02	66.54
46	JNN SM Ph-2 Solar	342.56	286.43	265.40	168.61	212.14	180.80	167.97	113.04	290.19	138.68	229.61	339.26	2734.74
47	NCE TOTAL	1192.09	1359.77	1825.27	1572.16	1541.14	1403.51	893.45	790.20	1064.95	890.48	1003.63	1152.63	14689.33
48	Others													
49	APPDCL Stage-I	403.77	417.22	403.77	417.22	417.22	403.77	286.65	403.77	202.39	354.85	376.85	417.22	4504.70
50	Godavari Gas Power Ltd. (GGPL)	18.04	18.67	18.04	10.12	0.00	18.04	18.67	18.04	18.67	18.67	16.77	18.67	192.37
51	Thermal Powertech Corporation	56.55	56.55	56.55	56.55	56.55	56.55	56.55	27.05	56.55	56.55	56.55	56.55	649.07
52	Hinduja National Power Limited (HNPL)	258.82	254.77	258.82	218.78	218.78	258.82	266.90	258.82	266.90	266.90	186.02	213.93	2928.26
53	Others total	737.17	747.21	737.17	702.67	692.55	737.17	628.77	707.66	544.50	696.97	636.19	706.37	8274.40
54	Total	3105.99	3281.60	3665.12	3481.58	3505.92	3354.46	2649.91	2612.67	2813.18	2841.89	2799.24	3129.08	37240.65

ANNEXURE – 05 (B)

APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2022-23 – APEPDCL

Gross Energy Availability (MU) at Ex-BUS														
S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
1	APGenco-Thermal													
2	Dr. NTPS	250.15	258.49	250.15	258.49	216.80	229.30	216.80	229.30	258.49	258.49	233.47	258.49	2918.41
3	Dr. NTPS-IV	100.63	103.98	100.63	103.98	103.98	100.63	103.98	50.31	103.98	103.98	93.92	103.98	1173.96
4	RTPP Stage -I	83.38	86.16	83.38	65.32	86.16	83.38	65.32	83.38	86.16	86.16	77.82	86.16	972.80
5	RTPP Stage-II	83.38	86.16	83.38	86.16	86.16	83.38	86.16	62.54	65.32	86.16	77.82	86.16	972.80
6	RTPP Stage-III	41.69	43.08	41.69	43.08	43.08	20.85	43.08	41.69	43.08	43.08	38.91	43.08	486.40
7	RTPP Stage-IV	130.16	134.50	130.16	134.50	134.50	130.16	47.72	130.16	134.50	134.50	121.48	134.50	1496.80
8	APGENCO Thermal - total	689.39	712.37	689.39	691.52	670.68	647.70	563.06	597.38	691.52	712.37	643.43	712.37	8021.18
9	APGenco - Hydel													
10	Srisaillam Right Bank Power House (AP)	12.36	3.80	1.68	18.47	84.18	84.79	55.18	17.38	17.38	14.41	23.75	23.12	356.52
11	Nagarjunasagar Right Bank Power House (AP)	0.13	0.12	0.00	0.00	3.86	7.23	6.14	6.68	4.78	3.22	1.33	0.70	34.19
12	Nagarjunasagar Tail Pond Dam Power House	0.36	0.36	0.36	1.45	2.90	4.71	4.71	5.80	5.80	3.26	1.45	1.45	32.59
13	Upper Sileru Power House (AP)	17.14	11.18	9.16	11.47	11.62	11.65	13.37	14.27	12.45	17.88	18.94	23.47	172.61
14	Lower Sileru Power House (AP)	34.23	25.16	22.85	32.23	34.06	32.48	32.39	31.38	33.97	38.01	38.38	41.29	396.43
15	DONKARAYI (AP)	2.63	2.33	1.70	2.48	2.15	3.17	3.54	3.12	3.43	3.29	3.52	3.50	34.85
16	Penna Ahobilam (AP)	0.00	0.00	0.00	0.01	0.28	0.27	0.39	0.27	0.30	0.15	0.15	0.14	1.97
17	MINI HYDEL(Chettipeta)-AP	0.05	0.00	0.03	0.14	0.11	0.12	0.03	0.02	0.10	0.14	0.10	0.13	0.96
18	APGenco- Hydel Total	66.90	42.95	35.77	66.25	139.15	144.42	115.75	78.91	78.20	80.37	87.63	93.81	1030.12
19	Inter State - Hydel													
20	MACHKUND PH AP Share	11.17	12.07	10.43	11.60	12.24	10.68	10.23	9.82	10.18	10.94	10.81	11.19	131.36
21	TUNGBHADRA PH AP Share	0.71	0.16	0.05	3.20	7.81	7.81	6.48	5.68	3.52	4.24	2.86	2.86	45.36
22	Inter State - Hydel Total	11.88	12.23	10.47	14.80	20.05	18.48	16.71	15.50	13.70	15.18	13.67	14.05	176.72
23	APGENCO Total	768.17	767.55	735.64	772.57	829.88	810.60	695.52	691.80	783.42	807.91	744.73	820.22	9228.02
24	CG Stations													

Gross Energy Availability (MU) at Ex-BUS														
S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
25	NTPC(SR) Ramagundam I & II	51.18	51.18	54.23	62.28	62.28	43.10	62.28	62.28	43.10	62.28	62.28	62.28	678.76
26	NTPC(SR) Simhadri Stage-I	98.26	101.94	51.00	101.94	101.94	98.26	101.94	98.26	101.94	101.94	90.92	101.94	1150.30
27	NTPC(SR) Simhadri Stage-II	31.96	25.24	44.52	46.14	46.14	44.52	46.14	44.52	46.14	46.14	41.27	46.14	508.89
28	NTPC(SR) Talcher Stage-II	38.05	39.48	38.05	32.30	33.80	26.04	39.48	38.05	39.48	39.48	35.17	39.48	438.86
29	NTPC(SR) Ramagundam III	14.42	14.42	14.42	14.42	14.42	14.42	14.42	14.42	14.42	14.42	14.42	14.42	173.08
30	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
31	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
32	NLC Stage-I	5.74	6.15	5.17	4.28	4.11	4.02	5.76	5.62	5.83	6.17	4.98	6.17	64.01
33	NLC Stage-II	10.53	10.39	8.97	11.20	11.20	10.53	8.77	7.89	8.08	9.50	9.14	11.20	117.42
34	NPC(MAPS)	1.40	1.46	1.40	1.46	1.46	1.40	1.46	1.40	1.46	1.46	1.30	1.46	17.15
35	NPC - Kaiga unit I,II,III&IV	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	295.43
36	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
37	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
38	CGS Total	276.17	274.89	242.38	298.65	299.98	266.92	304.89	297.08	285.09	306.02	284.10	307.72	3443.89
39	JNN SM Thermal (Bundled)													
40	JNN SM Ph-I Thermal (Bundled)	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	115.18
41	NCE													
42	NCE – Others	15.46	14.37	14.62	15.26	15.28	14.24	15.79	15.22	15.66	16.98	14.78	15.72	183.38
43	NCE - Wind Power	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
44	NCE - Solar (other than JNN SM)	1.41	1.38	1.08	1.07	1.11	1.06	0.94	1.09	1.23	1.19	1.26	1.32	14.14
45	JNN SM Ph-1 solar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	JNN SM Ph-2 Solar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	NCE TOTAL	16.87	15.75	15.70	16.33	16.39	15.30	16.73	16.31	16.89	18.17	16.04	17.04	197.52
48	Others													
49	APPDCL Stage-I	361.63	373.69	361.63	373.69	373.69	361.63	256.74	361.63	181.27	317.82	337.52	373.69	4034.62
50	Godavari Gas Power Ltd. (GGPL)	16.15	16.72	16.15	9.06	0.00	16.15	16.72	16.15	16.72	16.72	15.02	16.72	172.30
51	Thermal Powertech Corporation	50.65	50.65	50.65	50.65	50.65	50.65	50.65	24.22	50.65	50.65	50.65	50.65	581.33
52	Hinduja National Power Limited (HNPL)	231.81	228.19	231.81	195.95	195.95	231.81	239.05	231.81	239.05	239.05	166.61	191.60	2622.69
53	Others total	660.24	669.24	660.24	629.35	620.28	660.24	563.16	633.82	487.68	624.24	569.81	632.66	7410.95
54	Total	1731.05	1737.03	1663.56	1726.50	1776.13	1762.66	1589.90	1648.60	1582.68	1765.94	1624.27	1787.24	20395.56

ANNEXURE – 05 (C)

APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2022-23 – APCPDCL

Gross Energy Availability (MU) at Ex-BUS														
S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
1	APGenco-Thermal													
2	Dr. NTPS	161.20	166.57	161.20	166.57	139.70	147.76	139.70	147.76	166.57	166.57	150.45	166.57	1880.61
3	Dr. NTPS-IV	64.84	67.00	64.84	67.00	67.00	64.84	67.00	32.42	67.00	67.00	60.52	67.00	756.50
4	RTPP Stage -I	53.73	55.52	53.73	42.09	55.52	53.73	42.09	53.73	55.52	55.52	50.15	55.52	626.87
5	RTPP Stage-II	53.73	55.52	53.73	55.52	55.52	53.73	55.52	40.30	42.09	55.52	50.15	55.52	626.87
6	RTPP Stage-III	26.87	27.76	26.87	27.76	27.76	13.43	27.76	26.87	27.76	27.76	25.07	27.76	313.43
7	RTPP Stage-IV	83.87	86.67	83.87	86.67	86.67	83.87	30.75	83.87	86.67	86.67	78.28	86.67	964.53
8	APGENCO Thermal - total	444.24	459.05	444.24	445.61	432.18	417.37	362.83	384.95	445.61	459.05	414.62	459.05	5168.81
9	APGenco - Hydel													
10	Srisaillam Right Bank Power House (AP)	7.97	2.45	1.09	11.90	54.24	54.64	35.56	11.20	11.20	9.29	15.30	14.90	229.74
11	Nagarjunasagar Right Bank Power House (AP)	0.08	0.08	0.00	0.00	2.49	4.66	3.96	4.30	3.08	2.08	0.86	0.45	22.03
12	Nagarjunasagar Tail Pond Dam Power House	0.23	0.23	0.23	0.93	1.87	3.03	3.03	3.73	3.73	2.10	0.93	0.93	21.00
13	Upper Sileru Power House (AP)	11.05	7.21	5.90	7.39	7.49	7.51	8.62	9.20	8.02	11.52	12.21	15.12	111.23
14	Lower Sileru Power House (AP)	22.06	16.21	14.72	20.77	21.95	20.93	20.87	20.22	21.89	24.50	24.73	26.61	255.46
15	DONKARAYI (AP)	1.70	1.50	1.10	1.60	1.38	2.04	2.28	2.01	2.21	2.12	2.27	2.25	22.46
16	Penna Ahobilam (AP)	0.00	0.00	0.00	0.01	0.18	0.17	0.25	0.17	0.19	0.10	0.10	0.09	1.27
17	MINI HYDEL(Chettipeta)-AP	0.03	0.00	0.02	0.09	0.07	0.08	0.02	0.01	0.07	0.09	0.07	0.09	0.62
18	APGenco- Hydel Total	43.11	27.68	23.05	42.69	89.67	93.07	74.59	50.85	50.39	51.79	56.47	60.45	663.81
19	Inter State - Hydel													
20	MACHKUND PH AP Share	7.20	7.78	6.72	7.48	7.89	6.88	6.59	6.33	6.56	7.05	6.97	7.21	84.65
21	TUNGBHADRA PH AP Share	0.46	0.11	0.03	2.06	5.03	5.03	4.17	3.66	2.27	2.73	1.84	1.84	29.23
22	Inter State - Hydel Total	7.66	7.88	6.75	9.54	12.92	11.91	10.77	9.99	8.83	9.78	8.81	9.05	113.88
23	APGENCO Total	495.01	494.61	474.04	497.84	534.77	522.35	448.19	445.79	504.83	520.62	479.90	528.55	5946.49
24	CG Stations													

Gross Energy Availability (MU) at Ex-BUS														
S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
25	NTPC(SR) Ramagundam I & II	32.98	32.98	34.95	40.13	40.13	27.77	40.13	40.13	27.77	40.13	40.13	40.13	437.39
26	NTPC(SR) Simhadri Stage-I	63.32	65.69	32.86	65.69	65.69	63.32	65.69	63.32	65.69	65.69	58.59	65.69	741.25
27	NTPC(SR) Simhadri Stage-II	20.59	16.26	28.69	29.74	29.74	28.69	29.74	28.69	29.74	29.74	26.59	29.74	327.93
28	NTPC(SR) Talcher Stage-II	24.52	25.44	24.52	20.82	21.78	16.78	25.44	24.52	25.44	25.44	22.67	25.44	282.80
29	NTPC(SR) Ramagundam III	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29	111.53
30	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
31	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
32	NLC Stage-I	3.70	3.96	3.33	2.76	2.65	2.59	3.71	3.62	3.76	3.97	3.21	3.97	41.25
33	NLC Stage-II	6.79	6.70	5.78	7.22	7.22	6.79	5.65	5.09	5.21	6.12	5.89	7.22	75.66
34	NPC(MAPS)	0.90	0.94	0.90	0.94	0.94	0.90	0.94	0.90	0.94	0.94	0.84	0.94	11.05
35	NPC - Kaiga unit I,II,III & IV	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	190.37
36	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
37	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
38	CGS Total	177.96	177.14	156.19	192.45	193.31	172.00	196.47	191.43	183.71	197.20	183.07	198.30	2219.23
39	JNNSM Thermal (Bundled)													
40	JNNSM Ph-I Thermal (Bundled)	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	74.22
41	NCE													
42	NCE - Others	12.18	12.99	12.54	14.75	13.01	11.50	14.29	13.68	15.25	13.86	14.86	14.99	163.90
43	NCE - Wind Power	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
44	NCE - Solar (other than JNNSM)	3.85	3.57	3.26	2.38	3.62	3.48	2.83	2.59	3.12	3.24	3.41	4.14	39.49
45	JNNSM Ph-1 solar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	JNNSM Ph-2 Solar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	NCE TOTAL	16.03	16.56	15.80	17.13	16.63	14.98	17.12	16.27	18.37	17.10	18.27	19.13	203.39
48	Others													
49	APPDCL Stage-I	233.03	240.80	233.03	240.80	240.80	233.03	165.44	233.03	116.81	204.80	217.50	240.80	2599.89
50	Godavari Gas Power Ltd. (GGPL)	10.41	10.77	10.41	5.84	0.00	10.41	10.77	10.41	10.77	10.77	9.68	10.77	111.03
51	Thermal Powertech Corporation	32.64	32.64	32.64	32.64	32.64	32.64	32.64	15.61	32.64	32.64	32.64	32.64	374.61
52	Hinduja National Power Limited (HNPL)	149.38	147.04	149.38	126.27	126.27	149.38	154.04	149.38	154.04	154.04	107.36	123.47	1690.05
53	Others total	425.46	431.25	425.46	405.55	399.71	425.46	362.90	408.43	314.26	402.26	367.18	407.68	4775.58
54	Total	1120.64	1125.75	1077.67	1119.15	1150.60	1140.97	1030.86	1068.11	1027.36	1143.36	1054.61	1159.84	13218.91

ANNEXURE – 05 (D)**APPROVED: STATION-WISE, MONTH-WISE AVAILABILITY OF ENERGY (MU) FOR FY2022-23 – DISCOMS (TOTAL)****Gross Energy Availability (MU) at Ex-BUS**

S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
1	APGenco-Thermal													
2	Dr. NTPS	690.64	713.66	690.64	713.66	598.55	633.09	598.55	633.09	713.66	713.66	644.60	713.66	8057.45
3	Dr. NTPS-IV	277.82	287.08	277.82	287.08	287.08	277.82	287.08	138.91	287.08	287.08	259.30	287.08	3241.20
4	RTPP Stage -I	230.21	237.89	230.21	180.33	237.89	230.21	180.33	230.21	237.89	237.89	214.87	237.89	2685.82
5	RTPP Stage-II	230.21	237.89	230.21	237.89	237.89	230.21	237.89	172.66	180.33	237.89	214.87	237.89	2685.82
6	RTPP Stage-III	115.11	118.94	115.11	118.94	118.94	57.55	118.94	115.11	118.94	118.94	107.43	118.94	1342.91
7	RTPP Stage-IV	359.35	371.33	359.35	371.33	371.33	359.35	131.76	359.35	371.33	371.33	335.39	371.33	4132.53
8	APGENCO Thermal - total	1903.34	1966.78	1903.34	1909.23	1851.68	1788.23	1554.56	1649.32	1909.23	1966.78	1776.45	1966.78	22145.72
9	APGenco - Hydel													
10	Srisailem Right Bank Power House (AP)	34.13	10.49	4.65	51.00	232.40	234.11	152.35	47.99	47.99	39.79	65.57	63.84	984.31
11	Nagarjunasagar Right Bank Power House (AP)	0.35	0.34	0.00	0.00	10.66	19.96	16.96	18.43	13.19	8.90	3.68	1.93	94.40
12	Nagarjunasagar Tail Pond Dam Power House	0.99	0.99	0.99	4.00	8.01	13.00	13.00	16.00	16.00	9.00	4.00	4.00	89.98
13	Upper Sileru Power House (AP)	47.33	30.88	25.28	31.67	32.08	32.17	36.92	39.41	34.37	49.36	52.30	64.79	476.56
14	Lower Sileru Power House (AP)	94.51	69.46	63.08	88.98	94.04	89.68	89.42	86.63	93.79	104.95	105.96	114.00	1094.50
15	DONKARAYI (AP)	7.27	6.43	4.70	6.85	5.93	8.75	9.77	8.61	9.46	9.08	9.72	9.66	96.23
16	Penna Ahobilam (AP)	0.00	0.00	0.00	0.03	0.77	0.74	1.08	0.74	0.83	0.42	0.42	0.40	5.43
17	MINI HYDEL(Chettipeta)-AP	0.13	0.00	0.07	0.38	0.30	0.33	0.08	0.05	0.28	0.39	0.28	0.37	2.66
18	APGenco- Hydel Total	184.71	118.59	98.77	182.91	384.19	398.74	319.58	217.86	215.91	221.89	241.93	258.99	2844.07
19	Inter State - Hydel													
20	MACHKUND PH AP Share	30.84	33.32	28.79	32.03	33.80	29.48	28.25	27.12	28.10	30.20	29.85	30.89	362.67
21	TUNGBHADRA PH AP Share	1.96	0.45	0.13	8.83	21.55	21.55	17.88	15.68	9.72	11.70	7.90	7.89	125.24
22	Inter State - Hydel Total	32.80	33.77	28.92	40.86	55.35	51.03	46.13	42.80	37.82	41.90	37.75	38.78	487.91
23	APGENCO Total	2120.85	2119.14	2031.03	2133.00	2291.22	2238.00	1920.27	1909.98	2162.96	2230.57	2056.13	2264.55	25477.70
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	141.31	141.31	149.73	171.95	171.95	119.00	171.95	171.95	119.00	171.95	171.95	171.95	1874.00
26	NTPC(SR) Simhadri Stage-I	271.30	281.45	140.80	281.45	281.45	271.30	281.45	271.30	281.45	281.45	251.01	281.45	3175.86
27	NTPC(SR) Simhadri Stage-II	88.23	69.68	122.92	127.40	127.40	122.92	127.40	122.92	127.40	127.40	113.94	127.40	1405.01

S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
28	NTPC(SR) Talcher Stage-II	105.04	109.00	105.04	89.18	93.33	71.88	109.00	105.04	109.00	109.00	97.11	109.00	1211.64
29	NTPC(SR) Ramagundam III	39.82	39.82	39.82	39.82	39.82	39.82	39.82	39.82	39.82	39.82	39.82	39.82	477.86
30	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
31	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
32	NLC Stage-I	15.85	16.99	14.28	11.81	11.34	11.10	15.92	15.53	16.11	17.03	13.76	17.03	176.72
33	NLC Stage-II	29.08	28.70	24.75	30.93	30.93	29.08	24.23	21.80	22.31	26.23	25.23	30.93	324.18
34	NPC(MAPS)	3.87	4.04	3.87	4.04	4.04	3.87	4.04	3.87	4.04	4.04	3.58	4.04	47.34
35	NPC - Kaiga unit I,II,III&IV	67.97	67.97	67.97	67.97	67.97	67.97	67.97	67.97	67.97	67.97	67.97	67.97	815.65
36	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
37	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
38	CGS Total	762.47	758.95	669.19	824.55	828.23	736.94	841.78	820.20	787.09	844.89	784.37	849.59	9508.26
39	JNNSM Thermal (Bundled)													
40	JNNSM Ph-I Thermal (Bundled)	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	318.00
41	NCE													
42	NCE - Others	38.85	40.95	37.45	34.16	34.70	32.12	47.58	44.09	47.77	50.57	43.64	44.07	495.95
43	NCE - Wind Power	418.31	641.97	1183.55	1116.08	961.14	856.68	370.82	355.65	424.35	370.22	355.14	361.14	7415.05
44	NCE - Solar (other than JNNSM)	413.03	415.15	365.03	281.81	362.48	360.85	336.70	304.90	334.86	363.46	399.38	440.31	4377.96
45	JNNSM Ph-1 solar	12.24	7.58	5.34	4.96	3.70	3.34	4.23	5.10	3.04	2.82	10.17	4.02	66.54
46	JNNSM Ph-2 Solar	342.56	286.43	265.40	168.61	212.14	180.80	167.97	113.04	290.19	138.68	229.61	339.26	2734.74
47	NCE TOTAL	1224.99	1392.08	1856.77	1605.62	1574.16	1433.79	927.30	822.78	1100.21	925.75	1037.94	1188.80	15090.24
48	Others													
49	APPDCL Stage-I	998.43	1031.71	998.43	1031.71	1031.71	998.43	708.84	998.43	500.46	877.48	931.87	1031.71	11139.22
50	Godavari Gas Power Ltd. (GGPL)	44.60	46.16	44.60	25.02	0.00	44.60	46.16	44.60	46.16	46.16	41.48	46.16	475.70
51	Thermal Powertech Corporation	139.83	139.83	139.83	139.83	139.83	139.83	139.83	66.88	139.83	139.83	139.83	139.83	1605.01
52	Hinduja National Power Limited (HNPL)	640.00	630.00	640.00	541.00	541.00	640.00	660.00	640.00	660.00	660.00	460.00	529.00	7241.00
53	Others total	1822.86	1847.70	1822.86	1737.56	1712.54	1822.86	1554.83	1749.91	1346.45	1723.47	1573.18	1746.70	20460.93
54	Total	5957.67	6144.38	6406.35	6327.24	6432.65	6258.10	5270.67	5329.38	5423.21	5751.18	5478.13	6076.15	70855.12

ANNEXURE – 06 (A)
FILING: ENERGY DESPATCH (MU) FOR FY2022-23 – APSPDCL

S. No.	Generating Station	Gross Energy Despatch (MU)												
		Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Aggenco-Thermal													
2	Dr. NTPPS	313.06	323.50	313.06	323.50	269.69	288.61	269.69	288.61	323.50	323.50	292.19	323.50	3652.41
3	Dr. NTPPS-IV	131.03	135.39	131.03	135.39	135.39	131.03	135.39	65.51	135.39	135.39	122.29	135.39	1528.62
4	RTPP Stage-I	103.95	107.41	103.95	81.43	107.41	103.95	81.43	103.95	107.41	107.41	97.02	107.41	1212.73
5	RTPP Stage-II	107.62	111.20	107.62	39.59	111.20	107.62	111.20	80.71	84.30	111.20	100.44	111.20	1183.90
6	RTPP Stage-III	51.97	53.71	23.82	0.00	53.71	4.78	53.71	51.97	53.71	53.71	48.51	53.71	503.31
7	RTPP Stage-IV	162.47	167.89	162.47	167.89	167.89	162.47	59.57	162.47	167.89	167.89	151.64	167.89	1868.43
8	APGenco-Thermal Total	870.10	899.10	841.95	747.80	845.29	798.46	710.99	753.22	872.20	899.10	812.09	899.10	9949.40
9	APGenco - Hydel													
10	Srisaillam RCPH	13.80	4.24	1.88	7.66	81.85	74.45	61.61	19.41	7.82	16.09	26.52	25.82	341.15
11	NSRCPH	0.14	0.14	0.00	0.00	4.31	8.07	6.86	7.45	5.33	3.60	1.49	0.78	38.17
12	NSTPDC PH	0.40	0.40	0.40	1.62	3.24	5.26	5.26	6.47	6.47	3.64	1.62	1.62	36.40
13	Upper Sileru	19.14	12.49	10.22	12.81	12.97	13.01	14.93	15.94	13.90	19.96	21.15	26.20	192.72
14	Lower Sileru	38.22	28.09	25.51	35.98	38.03	36.27	36.16	35.03	37.93	42.44	42.85	46.10	442.61
15	Donkarayi	2.94	2.60	1.90	2.77	2.40	3.54	3.95	3.48	3.82	3.67	3.93	3.91	38.91
16	PABM	0.00	0.00	0.00	0.01	0.31	0.30	0.44	0.30	0.34	0.17	0.17	0.16	2.20
17	Minihydel(Chettipet)	0.05	0.00	0.03	0.15	0.12	0.13	0.03	0.02	0.11	0.16	0.11	0.15	1.06
18	APGenco Hydel Total	74.69	47.96	39.94	61.00	143.23	141.03	129.24	88.10	75.72	89.73	97.84	104.74	1093.22
19	Interstate - Hydel													
20	Machkund AP Share	10.45	11.45	9.62	10.93	11.65	9.90	9.40	8.95	9.34	10.19	10.05	10.47	122.40
21	TB Dam AP Share	0.79	0.18	0.05	1.55	6.69	7.93	7.23	6.34	3.93	4.73	3.20	3.19	45.81
22	Interstate - Hydel Total	11.24	11.63	9.67	12.48	18.34	17.83	16.63	15.29	13.27	14.92	13.25	13.66	168.21
23	APGENCO-TOTAL	956.03	958.69	891.56	821.28	1006.86	957.32	856.86	856.61	961.19	1003.75	923.18	1017.50	11210.83
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	65.69	67.88	69.71	75.22	75.22	55.02	75.22	72.79	56.85	75.22	67.94	75.22	831.98
26	NTPC(SR) Simhadri Stage-I	123.82	127.92	71.04	127.92	127.92	123.82	127.92	123.82	127.92	127.92	115.61	127.92	1453.55
27	NTPC(SR) Simhadri Stage-II	40.75	33.25	54.78	56.59	56.59	54.78	56.59	54.78	56.59	56.59	51.15	56.59	629.03
28	NTPC(SR) Talcher Stage-II	45.97	47.53	45.97	39.70	41.33	32.86	47.53	45.97	47.53	47.53	42.83	47.53	532.28
29	NTPC(SR) Ramagundam III	18.46	19.08	18.46	19.08	19.08	18.46	19.08	18.46	19.08	19.08	17.23	19.08	224.63
30	NTPC Kudgi Stage-I	59.69	61.67	59.69	61.67	41.12	41.08	61.67	59.69	61.67	61.67	55.71	61.67	687.00
31	NTECL Valluru	23.05	23.81	23.05	23.81	23.81	21.64	23.81	15.29	18.47	23.81	21.51	23.81	265.87

S. No.	Generating Station	Gross Energy Despatch (MU)												
		Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
32	NLC Stage-I	11.48	6.61	5.75	4.60	4.42	4.47	6.20	6.25	6.48	6.63	5.93	6.63	75.45
33	NLC Stage-II	21.06	8.13	7.25	8.76	8.76	8.51	6.86	6.38	6.53	7.43	7.91	8.76	106.34
34	NPC(MAPS)	1.57	1.63	1.57	1.63	1.63	1.57	1.63	1.57	1.63	1.63	1.45	1.63	19.14
35	NPC(KAIGA unit I,II,III,IV)	24.83	25.66	24.83	25.66	25.66	24.83	19.24	21.73	19.24	22.14	23.17	25.66	282.65
36	NTPL(NLC TamilNadu)	30.73	31.95	20.22	24.67	31.95	30.73	28.31	30.73	31.95	31.95	28.71	31.95	353.85
37	NLC NNTPS	12.30	12.72	7.16	12.66	12.66	12.23	12.23	11.89	7.31	12.74	11.55	12.74	138.19
38	CGS Stations	479.40	467.84	409.48	481.97	470.15	430.00	486.29	469.35	461.25	494.34	450.70	499.19	5599.96
39	JNN SM Thermal (Bundled)													
40	JNN SM Ph-1 Thermal	9.61	9.68	10.19	10.48	9.23	8.07	10.66	10.32	9.87	10.66	9.63	10.66	119.06
41	JNN SM Thermal (Bundled) - Total	9.61	9.68	10.19	10.48	9.23	8.07	10.66	10.32	9.87	10.66	9.63	10.66	119.06
42	NCE													
43	NCE- Others	9.58	11.96	8.66	2.52	4.78	4.75	15.87	13.56	15.23	18.10	12.37	11.73	129.11
44	NCE Wind	363.00	583.66	1128.24	1060.77	905.83	801.37	315.51	300.34	369.04	314.91	299.83	305.83	6748.33
45	NCE Solar	222.13	221.30	194.05	129.99	204.67	203.24	186.53	172.48	184.62	201.21	220.70	226.35	2367.27
46	NCE Solar Parks	34.24	35.19	32.32	29.45	28.49	28.49	30.29	27.35	30.64	32.29	33.91	39.02	381.68
47	NTPC - S BG NP KUNTA	55.91	55.22	49.01	43.31	44.39	44.38	42.61	37.04	41.12	45.40	50.31	59.96	568.66
48	NTPC Ayana NP Kunta	51.20	53.20	48.60	42.21	43.59	43.59	40.00	35.43	40.80	42.68	48.76	58.40	548.46
49	NTPC Spring Agnitra NP Kunta	50.80	51.80	43.22	39.91	43.12	43.12	40.00	35.43	39.84	43.96	47.54	57.63	536.37
50	JNN SM Ph-1 Solar	9.42	4.76	2.52	2.14	0.88	0.52	1.41	2.28	0.22	-0.10	7.35	1.34	32.74
51	JNN SM Ph-2 Solar	226.93	306.66	213.03	185.49	129.28	221.95	183.92	212.26	218.44	269.19	227.84	284.03	2679.02
52	NCE TOTAL	1023.21	1323.75	1719.65	1535.79	1405.03	1391.41	856.14	836.17	939.95	967.64	948.61	1044.29	13991.64
53	Others													
54	APPDCL Stage-I	387.67	400.59	387.67	400.59	400.59	387.67	297.21	387.67	297.21	400.59	361.83	396.09	4505.38
56	Godavari Gas Power Plant	18.04	18.67	18.04	10.12	-0.40	18.04	18.67	18.04	18.67	18.67	16.77	18.67	192.00
57	Thermal Powertech Corporation	57.06	58.96	57.06	58.96	58.96	57.06	58.96	53.23	58.96	58.96	53.26	58.96	690.39
58	Others Total	462.77	478.22	462.77	469.67	459.15	462.77	374.84	458.94	374.84	478.22	431.86	473.72	5387.77
59	Short term purchases	218.15	111.36	0.00	0.00	43.13	0.00	378.46	252.00	197.96	152.05	321.51	454.27	2128.89
60	Sale to EPDCL & CPDCL	-653.48	-961.90	-1294.86	-1039.68	-848.78	-879.74	-523.15	-553.94	-548.80	-518.53	-436.65	-441.97	-8701.48
61	Total	2495.69	2387.64	2198.79	2279.51	2544.77	2369.83	2440.10	2329.45	2396.26	2588.13	2648.84	3057.66	29736.67

ANNEXURE – 06 (B)
FILING: ENERGY DESPATCH (MU) FOR FY2022-23 – APEPDCL

S. No	Generating Station	Energy Dispatch (MU)												
		Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	APGenco-Thermal													
2	Dr. NTPS	280.39	289.74	280.39	289.74	241.55	258.49	241.55	258.49	289.74	289.74	261.70	289.74	3271.26
3	Dr. NTPS-IV	117.35	121.26	117.35	121.26	121.26	117.35	121.26	58.68	121.26	121.26	109.53	121.26	1369.08
4	RTPP Stage-I	93.10	96.20	93.10	72.93	96.20	93.10	72.93	93.10	96.20	96.20	86.89	96.20	1086.15
5	RTPP Stage-II	96.39	99.60	96.39	35.46	99.60	96.39	99.60	72.29	75.50	99.60	89.96	99.60	1060.38
6	RTPP Stage-III	46.55	48.10	21.34	0.00	48.10	4.28	48.10	46.55	48.10	48.10	43.45	48.10	450.77
7	RTPP Stage-IV	145.52	150.37	145.52	150.37	150.37	145.52	53.36	145.52	150.37	150.37	135.82	150.37	1673.48
8	APGenco-Thermal Total	779.30	805.27	754.09	669.76	757.08	715.13	636.80	674.63	781.17	805.27	727.35	805.27	8911.12
9	APGenco - Hydel													
10	Srisaillam RCPH	12.36	3.80	1.68	6.86	73.31	66.69	55.18	17.38	7.00	14.41	23.75	23.12	305.54
11	NSRCPH	0.13	0.12	0.00	0.00	3.86	7.23	6.14	6.68	4.78	3.22	1.33	0.70	34.19
12	NSTPDC PH	0.36	0.36	0.36	1.45	2.90	4.71	4.71	5.80	5.80	3.26	1.45	1.45	32.61
13	Upper Sileru	17.14	11.18	9.16	11.47	11.62	11.65	13.37	14.27	12.45	17.88	18.94	23.47	172.60
14	Lower Sileru	34.23	25.16	22.85	32.23	34.06	32.48	32.39	31.38	33.97	38.01	38.38	41.29	396.43
15	Donkarayi	2.63	2.33	1.70	2.48	2.15	3.17	3.54	3.12	3.43	3.29	3.52	3.50	34.86
16	PABM	0.00	0.00	0.00	0.01	0.28	0.27	0.39	0.27	0.30	0.15	0.15	0.15	1.97
17	Minihydel(Chettipet)	0.05	0.00	0.02	0.14	0.11	0.12	0.03	0.02	0.10	0.14	0.10	0.13	0.96
18	APGenco Hydel Total	66.90	42.95	35.77	54.64	128.29	126.32	115.75	78.92	67.83	80.36	87.62	93.81	979.16
19	Interstate - Hydel													
20	Machkund AP Share	9.36	10.26	8.62	9.79	10.43	8.87	8.42	8.01	8.37	9.13	9.00	9.38	109.64
21	TB Dam AP Share	0.71	0.16	0.05	1.39	6.00	7.10	6.48	5.68	3.52	4.24	2.86	2.86	41.05
22	Interstate - Hydel Total	10.07	10.42	8.67	11.18	16.43	15.97	14.90	13.69	11.89	13.37	11.86	12.24	150.69
23	APGENCO-TOTAL	856.27	858.64	798.53	735.58	901.80	857.42	767.45	767.24	860.89	899.00	826.83	911.32	10040.97
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	58.83	60.79	62.44	67.37	67.37	49.28	67.37	65.20	50.92	67.37	60.85	67.37	745.16
26	NTPC(SR) Simhadri Stage-I	110.89	114.57	63.63	114.57	114.57	110.89	114.57	110.89	114.57	114.57	103.55	114.57	1301.84
27	NTPC(SR) Simhadri Stage-II	36.50	29.78	49.06	50.69	50.69	49.06	50.69	49.06	50.69	50.69	45.81	50.69	563.41
28	NTPC(SR) Talcher Stage-II	41.17	42.57	41.17	35.56	37.02	29.43	42.57	41.17	42.57	42.57	38.36	42.57	476.73
29	NTPC(SR) Ramagundam III	16.54	17.09	16.54	17.09	17.09	16.54	17.09	16.54	17.09	17.09	15.43	17.09	201.22
30	NTPC Kudgi Stage-I	53.46	55.24	53.46	55.24	36.83	36.80	55.24	53.46	55.24	55.24	49.89	55.24	615.34
31	NTECL Valluru	20.64	21.33	20.64	21.33	21.33	19.38	21.33	13.69	16.54	21.33	19.27	21.33	238.14

S. No	Generating Station	Energy Dispatch (MU)												
		Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
32	NLC Stage-I	10.28	5.92	5.15	4.12	3.95	4.00	5.55	5.60	5.80	5.94	5.31	5.94	67.56
33	NLC Stage-II	18.86	7.28	6.49	7.85	7.85	7.63	6.15	5.72	5.85	6.66	7.09	7.85	95.28
34	NPC(MAPS)	1.40	1.46	1.40	1.46	1.46	1.40	1.46	1.40	1.46	1.46	1.30	1.46	17.12
35	NPC(KAIGA unit I,II,III,IV)	22.24	22.98	22.24	22.98	22.98	22.24	17.24	19.46	17.24	19.83	20.76	22.98	253.17
36	NTPL(NLC TamilNadu)	27.53	28.61	18.11	22.09	28.61	27.53	25.35	27.53	28.61	28.61	25.72	28.61	316.91
37	NLC NNTPS	11.01	11.40	6.41	11.34	11.34	10.96	10.96	10.65	6.55	11.41	10.35	11.41	123.79
38	CGS Stations	429.35	419.02	366.74	431.69	421.09	385.14	435.57	420.37	413.13	442.77	403.69	447.11	5015.67
39	JNN SM Thermal (Bundled)													
40	JNN SM Ph-1 Thermal	8.61	8.67	9.12	9.38	8.27	7.23	9.55	9.24	8.84	9.55	8.63	9.55	106.64
41	JNN SM Thermal (Bundled) - Total	8.61	8.67	9.12	9.38	8.27	7.23	9.55	9.24	8.84	9.55	8.63	9.55	106.64
42	NCE													
43	NCE- Others	14.00	12.91	13.16	13.80	13.82	12.78	14.33	13.76	14.20	15.52	13.32	14.26	165.86
45	NCE Solar	1.41	1.38	1.08	1.07	1.11	1.06	0.94	1.09	1.23	1.19	1.26	1.32	14.14
52	NCE TOTAL	15.41	14.29	14.24	14.87	14.93	13.84	15.27	14.85	15.43	16.71	14.58	15.58	180.00
53	Others													
54	APPDCL Stage-I	347.22	358.79	347.22	358.79	358.79	347.22	266.20	347.22	266.20	358.79	324.07	354.76	4035.27
56	Godavari Gas Power Plant	16.15	16.72	16.15	9.06	-0.36	16.15	16.72	16.15	16.72	16.72	15.02	16.72	171.92
57	Thermal Powertech Corporation	51.11	52.81	51.11	52.81	52.81	51.11	52.81	47.68	52.81	52.81	47.70	52.81	618.38
58	Others Total	414.48	428.32	414.48	420.66	411.24	414.48	335.73	411.05	335.73	428.32	386.79	424.29	4825.57
59	Short term purchases	195.38	99.74	0.00	0.00	38.63	0.00	338.97	225.71	177.30	136.18	287.96	406.86	1906.73
60	Purchase from SPDCL	434.60	619.49	883.59	667.00	570.23	545.50	259.64	314.31	326.25	360.43	305.93	371.23	5658.20
61	Total	2354.10	2448.17	2486.70	2279.18	2366.19	2223.61	2162.18	2162.77	2137.57	2292.96	2234.41	2585.94	27733.78

ANNEXURE – 06 (C)
FILING: ENERGY DESPATCH (MU) FOR FY2022-23 – APCPDCL

S. No.	Generating Station	Energy Dispatch (MU)												
		Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Apogenco-Thermal													
2	Dr. NTPPS	180.69	186.71	180.69	186.71	155.65	166.57	155.65	166.57	186.71	186.71	168.64	186.71	2108.01
3	Dr. NTPPS-IV	75.62	78.14	75.62	78.14	78.14	75.62	78.14	37.81	78.14	78.14	70.58	78.14	882.23
4	RTPP Stage-I	59.99	61.99	59.99	46.99	61.99	59.99	46.99	59.99	61.99	61.99	55.99	61.99	699.88
5	RTPP Stage-II	62.11	64.18	62.11	22.85	64.18	62.11	64.18	46.58	48.65	64.18	57.97	64.18	683.28
6	RTPP Stage-III	30.00	31.00	13.75	0.00	31.00	2.76	31.00	30.00	31.00	31.00	28.00	31.00	290.51
7	RTPP Stage-IV	93.77	96.90	93.77	96.90	96.90	93.77	34.38	93.77	96.90	96.90	87.52	96.90	1078.38
8	APGenco-Thermal Total	502.18	518.92	485.93	431.59	487.86	460.82	410.34	434.72	503.39	518.92	468.70	518.92	5742.29
9	APGenco - Hydel													
10	Srisaillam RCPH	7.97	2.45	1.09	4.42	47.24	42.97	35.56	11.20	4.51	9.29	15.30	14.90	196.90
11	NSRCPH	0.08	0.08	0.00	0.00	2.49	4.66	3.96	4.30	3.08	2.08	0.86	0.45	22.04
12	NSTPDC PH	0.23	0.23	0.23	0.93	1.87	3.03	3.03	3.73	3.73	2.10	0.93	0.93	20.97
13	Upper Sileru	11.05	7.21	5.90	7.39	7.49	7.51	8.62	9.20	8.02	11.52	12.21	15.12	111.24
14	Lower Sileru	22.06	16.21	14.72	20.77	21.95	20.93	20.87	20.22	21.89	24.50	24.73	26.61	255.46
15	Donkarayi	1.70	1.50	1.10	1.60	1.38	2.04	2.28	2.01	2.21	2.12	2.27	2.25	22.46
16	PABM	0.00	0.00	0.00	0.01	0.18	0.17	0.25	0.17	0.19	0.10	0.10	0.09	1.26
17	Minihydel(Chettipet)	0.03	0.00	0.02	0.09	0.07	0.08	0.02	0.01	0.07	0.09	0.07	0.09	0.64
18	APGenco Hydel Total	43.12	27.68	23.06	35.21	82.67	81.39	74.59	50.84	43.70	51.80	56.47	60.44	630.97
19	Interstate - Hydel													
20	Machkund AP Share	6.03	6.61	5.55	6.31	6.72	5.71	5.43	5.16	5.39	5.88	5.80	6.04	70.63
21	TB Dam AP Share	0.46	0.11	0.03	0.89	3.86	4.57	4.17	3.66	2.27	2.73	1.84	1.84	26.43
22	Interstate - Hydel Total	6.49	6.72	5.58	7.20	10.58	10.28	9.60	8.82	7.66	8.61	7.64	7.88	97.06
23	APGENCO-TOTAL	551.79	553.32	514.57	474.00	581.11	552.49	494.53	494.38	554.75	579.33	532.81	587.24	6470.32
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	37.91	39.17	40.23	43.41	43.41	31.75	43.41	42.01	32.81	43.41	39.21	43.41	480.14
26	NTPC(SR) Simhadri Stage-I	71.46	73.83	41.00	73.83	73.83	71.46	73.83	71.46	73.83	73.83	66.72	73.83	838.91
27	NTPC(SR) Simhadri Stage-II	23.52	19.19	31.62	32.66	32.66	31.62	32.66	31.62	32.66	32.66	29.52	32.66	363.05
28	NTPC(SR) Talcher Stage-II	26.53	27.43	26.53	22.91	23.85	18.96	27.43	26.53	27.43	27.43	24.72	27.43	307.18
29	NTPC(SR) Ramagundam III	10.66	11.01	10.66	11.01	11.01	10.66	11.01	10.66	11.01	11.01	9.95	11.01	129.66
30	NTPC Kudgi Stage-I	34.45	35.60	34.45	35.60	23.73	23.71	35.60	34.45	35.60	35.60	32.15	35.60	396.54
31	NTECL Valluru	13.30	13.74	13.30	13.74	13.74	12.49	13.74	8.82	10.66	13.74	12.41	13.74	153.42

S. No.	Generating Station	Energy Dispatch (MU)												
		Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
32	NLC Stage-I	6.63	3.82	3.32	2.65	2.55	2.58	3.58	3.61	3.74	3.83	3.42	3.83	43.56
33	NLC Stage-II	12.16	4.69	4.18	5.06	5.06	4.91	3.96	3.68	3.77	4.29	4.57	5.06	61.39
34	NPC(MAPS)	0.90	0.94	0.90	0.94	0.94	0.90	0.94	0.90	0.94	0.94	0.84	0.94	11.02
35	NPC(KAIGA unit I,II,III,IV)	14.33	14.81	14.33	14.81	14.81	14.33	11.11	12.54	11.11	12.78	13.38	14.81	163.15
36	NTPL(NLC TamilNadu)	17.74	18.44	11.67	14.24	18.44	17.74	16.34	17.74	18.44	18.44	16.57	18.44	204.24
37	NLC NNTPS	7.10	7.34	4.13	7.31	7.31	7.06	7.06	6.86	4.22	7.36	6.67	7.36	79.78
38	CGS Stations	276.69	270.01	236.32	278.17	271.34	248.17	280.67	270.88	266.22	285.32	260.13	288.12	3232.04
39	JNN SM Thermal (Bundled)													
40	JNN SM Ph-1 Thermal	5.55	5.59	5.88	6.05	5.33	4.66	6.15	5.96	5.69	6.15	5.56	6.15	68.72
41	JNN SM Thermal (Bundled) - Total	5.55	5.59	5.88	6.05	5.33	4.66	6.15	5.96	5.69	6.15	5.56	6.15	68.72
42	NCE													
43	NCE- Others	11.24	12.05	11.60	13.81	12.07	10.56	13.35	12.74	14.31	12.92	13.92	14.05	152.62
45	NCE Solar	3.85	3.57	3.26	2.38	3.62	3.48	2.83	2.59	3.12	3.24	3.41	4.14	39.49
52	NCE TOTAL	15.09	15.62	14.86	16.19	15.69	14.04	16.18	15.33	17.43	16.16	17.33	18.19	192.11
53	Others													
54	APPDCL Stage-I	223.75	231.20	223.75	231.20	231.20	223.75	171.54	223.75	171.54	231.20	208.83	228.61	2600.32
56	Godavari Gas Power Plant	10.41	10.77	10.41	5.84	-0.23	10.41	10.77	10.41	10.77	10.77	9.68	10.77	110.78
57	Thermal Powertech Corporation	32.93	34.03	32.93	34.03	34.03	32.93	34.03	30.72	34.03	34.03	30.74	34.03	398.46
58	Others Total	267.09	276.00	267.09	271.07	265.00	267.09	216.34	264.88	216.34	276.00	249.25	273.41	3109.56
59	Short term purchases	125.90	64.27	0.00	0.00	24.89	0.00	218.43	145.44	114.25	87.75	185.56	262.18	1228.67
60	Purchase from SPDCL	218.88	342.41	411.27	372.68	278.55	334.23	263.51	239.63	222.55	158.10	130.72	70.74	3043.27
61	Total	1460.99	1527.22	1449.99	1418.16	1441.91	1420.68	1495.81	1436.50	1397.23	1408.81	1381.36	1506.03	17344.69

ANNEXURE – 06 (D)
FILING: ENERGY DESPATCH (MU) FOR FY2022-23 – APDISCOMs

S. No	Generating Station	Gross Energy Despatch (MU)												
		Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Apogenco-Thermal													
2	Dr. NTPPS	774.14	799.95	774.14	799.95	666.89	713.67	666.89	713.67	799.95	799.95	722.53	799.95	9031.68
3	Dr. NTPPS-IV	324.00	334.79	324.00	334.79	334.79	324.00	334.79	162.00	334.79	334.79	302.40	334.79	3779.93
4	RTPP Stage-I	257.04	265.60	257.04	201.35	265.60	257.04	201.35	257.04	265.60	265.60	239.90	265.60	2998.76
5	RTPP Stage-II	266.12	274.98	266.12	97.90	274.98	266.12	274.98	199.58	208.45	274.98	248.37	274.98	2927.56
6	RTPP Stage-III	128.52	132.81	58.91	0.00	132.81	11.82	132.81	128.52	132.81	132.81	119.96	132.81	1244.59
7	RTPP Stage-IV	401.76	415.16	401.76	415.16	415.16	401.76	147.31	401.76	415.16	415.16	374.98	415.16	4620.29
8	APGenco-Thermal Total	2151.58	2223.29	2081.97	1849.15	2090.23	1974.41	1758.13	1862.57	2156.76	2223.29	2008.14	2223.29	24602.81
9	APGenco - Hydel													
10	Srisaillam RCPH	34.13	10.49	4.65	18.94	202.40	184.11	152.35	47.99	19.33	39.79	65.57	63.84	843.59
11	NSRCPH	0.35	0.34	0.00	0.00	10.66	19.96	16.96	18.43	13.19	8.90	3.68	1.93	94.40
12	NSTPDC PH	0.99	0.99	0.99	4.00	8.01	13.00	13.00	16.00	16.00	9.00	4.00	4.00	89.98
13	Upper Sileru	47.33	30.88	25.28	31.67	32.08	32.17	36.92	39.41	34.37	49.36	52.30	64.79	476.56
14	Lower Sileru	94.51	69.46	63.08	88.98	94.04	89.68	89.42	86.63	93.79	104.95	105.96	114.00	1094.50
15	Donkarayi	7.27	6.43	4.70	6.85	5.93	8.75	9.77	8.61	9.46	9.08	9.72	9.66	96.23
16	PABM	0.00	0.00	0.00	0.03	0.77	0.74	1.08	0.74	0.83	0.42	0.42	0.40	5.43
17	Minihydel(Chettipet)	0.13	0.00	0.07	0.38	0.30	0.33	0.08	0.05	0.28	0.39	0.28	0.37	2.66
18	APGenco Hydel Total	184.71	118.59	98.77	150.85	354.19	348.74	319.58	217.86	187.25	221.89	241.93	258.99	2703.35
19	Interstate - Hydel													
20	Machkund AP Share	25.84	28.32	23.79	27.03	28.80	24.48	23.25	22.12	23.10	25.20	24.85	25.89	302.67
21	TB Dam AP Share	1.96	0.45	0.13	3.83	16.55	19.60	17.88	15.68	9.72	11.70	7.90	7.89	113.29
22	Interstate - Hydel Total	27.80	28.77	23.92	30.86	45.35	44.08	41.13	37.80	32.82	36.90	32.75	33.78	415.96
23	APGENCO-TOTAL	2364.09	2370.65	2204.66	2030.86	2489.77	2367.23	2118.84	2118.23	2376.83	2482.08	2282.82	2516.06	27722.12
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	162.43	167.84	172.38	186.00	186.00	136.05	186.00	180.00	140.58	186.00	168.00	186.00	2057.28
26	NTPC(SR) Simhadri Stage-I	306.17	316.32	175.67	316.32	316.32	306.17	316.32	306.17	316.32	316.32	285.88	316.32	3594.30
27	NTPC(SR) Simhadri Stage-II	100.77	82.22	135.46	139.94	139.94	135.46	139.94	135.46	139.94	139.94	126.48	139.94	1555.49
28	NTPC(SR) Talcher Stage-II	113.67	117.53	113.67	98.17	102.20	81.25	117.53	113.67	117.53	117.53	105.91	117.53	1316.19
29	NTPC(SR) Ramagundam III	45.66	47.18	45.66	47.18	47.18	45.66	47.18	45.66	47.18	47.18	42.61	47.18	555.51
30	NTPC Kudgi Stage-I	147.60	152.51	147.60	152.51	101.68	101.59	152.51	147.60	152.51	152.51	137.75	152.51	1698.88
31	NTECL Valluru	56.99	58.88	56.99	58.88	58.88	53.51	58.88	37.80	45.67	58.88	53.19	58.88	657.43

S. No	Generating Station	Gross Energy Despatch (MU)												
		Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Total
32	NLC Stage-I	28.39	16.35	14.22	11.37	10.92	11.05	15.33	15.46	16.02	16.40	14.66	16.40	186.57
33	NLC Stage-II	52.08	20.10	17.92	21.67	21.67	21.05	16.97	15.78	16.15	18.38	19.57	21.67	263.01
34	NPC(MAPS)	3.87	4.03	3.87	4.03	4.03	3.87	4.03	3.87	4.03	4.03	3.59	4.03	47.28
35	NPC(KAIGA unit I,II,III,IV)	61.40	63.45	61.40	63.45	63.45	61.40	47.59	53.73	47.59	54.75	57.31	63.45	698.97
36	NTPL(NLC TamilNadu)	76.00	79.00	50.00	61.00	79.00	76.00	70.00	76.00	79.00	79.00	71.00	79.00	875.00
37	NLC NNTPS	30.41	31.46	17.70	31.31	31.31	30.25	30.25	29.40	18.08	31.51	28.57	31.51	341.76
38	CGS Stations	1185.44	1156.87	1012.54	1191.83	1162.58	1063.31	1202.53	1160.60	1140.60	1222.43	1114.52	1234.42	13847.67
39	JNNSM Thermal (Bundled)													
40	JNNSM Ph-1 Thermal	23.77	23.94	25.19	25.91	22.83	19.96	26.36	25.52	24.40	26.36	23.82	26.36	294.42
41	JNNSM Thermal (Bundled) - Total	23.77	23.94	25.19	25.91	22.83	19.96	26.36	25.52	24.40	26.36	23.82	26.36	294.42
42	NCE													
43	NCE- Others	34.82	36.92	33.42	30.13	30.67	28.09	43.55	40.06	43.74	46.54	39.61	40.04	447.59
44	NCE Wind	363.00	583.66	1128.24	1060.77	905.83	801.37	315.51	300.34	369.04	314.91	299.83	305.83	6748.33
45	NCE Solar	227.39	226.25	198.39	133.44	209.40	207.78	190.30	176.16	188.97	205.64	225.37	231.81	2420.90
46	NCE Solar Parks	34.24	35.19	32.32	29.45	28.49	28.49	30.29	27.35	30.64	32.29	33.91	39.02	381.68
47	NTPC - SBG NP KUNTA	55.91	55.22	49.01	43.31	44.39	44.38	42.61	37.04	41.12	45.40	50.31	59.96	568.66
48	NTPC Ayana NP Kunta	51.20	53.20	48.60	42.21	43.59	43.59	40.00	35.43	40.80	42.68	48.76	58.40	548.46
49	NTPC Spring Agnitra NP Kunta	50.80	51.80	43.22	39.91	43.12	43.12	40.00	35.43	39.84	43.96	47.54	57.63	536.37
50	JNNSM Ph-1 Solar	9.42	4.76	2.52	2.14	0.88	0.52	1.41	2.28	0.22	-0.10	7.35	1.34	32.74
51	JNNSM Ph-2 Solar	226.93	306.66	213.03	185.49	129.28	221.95	183.92	212.26	218.44	269.19	227.84	284.03	2679.02
52	NCE TOTAL	1053.71	1353.66	1748.75	1566.85	1435.65	1419.29	887.59	866.35	972.81	1000.51	980.52	1078.06	14363.75
53	Others													
54	APPDCL Stage-I	958.64	990.58	958.64	990.58	990.58	958.64	734.95	958.64	734.95	990.58	894.73	979.46	11140.97
56	Godavari Gas Power Plant	44.60	46.16	44.60	25.02	-0.99	44.60	46.16	44.60	46.16	46.16	41.47	46.16	474.70
57	Thermal Powertech Corporation	141.10	145.80	141.10	145.80	145.80	141.10	145.80	131.63	145.80	145.80	131.70	145.80	1707.23
58	Others Total	1144.34	1182.54	1144.34	1161.40	1135.39	1144.34	926.91	1134.87	926.91	1182.54	1067.90	1171.42	13322.90
59	Short term purchases	539.43	275.37	0.00	0.00	106.65	0.00	935.86	623.15	489.51	375.98	795.03	1123.31	5264.29
60	EPDCL purchases from SPDCL	434.60	619.49	883.59	667.00	570.23	545.50	259.64	314.31	326.25	360.43	305.93	371.23	5658.20
61	CPDCL purchases from SPDCL	218.88	342.41	411.27	372.68	278.55	334.23	263.51	239.63	222.55	158.10	130.72	70.74	3043.27
62	SPDCL Sales to (EP+CP)	-653.48	-961.90	-1294.86	-1039.68	-848.78	-879.74	-523.15	-553.94	-548.80	-518.53	-436.65	-441.97	-8701.48
63	Total DISCOMs Dispatch	6310.78	6363.03	6135.48	976.85	6352.87	6014.12	6098.09	5928.72	5931.06	6289.90	6264.61	7149.63	74815.14

ANNEXURE – 07 (A)**APPROVED: ENERGY DESPATCH (MU) FOR FY2022-23 – APSPDCL**

S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
1	APGenco-Thermal													
2	Dr. NTTPS	279.29	288.60	203.62	144.73	242.05	222.01	242.05	256.02	288.60	288.60	260.67	288.60	3004.87
3	Dr. NTTPS-IV	112.35	116.09	112.35	116.09	116.09	112.35	116.09	56.17	116.09	116.09	104.86	116.09	1310.74
4	RTPP Stage -I	93.10	96.20	0.00	0.00	2.69	0.00	72.93	93.10	96.20	96.20	86.89	96.20	733.51
5	RTPP Stage-II	93.10	96.20	0.00	0.00	0.00	0.00	96.20	69.82	72.93	96.20	86.89	96.20	707.55
6	RTPP Stage-III	46.55	38.40	0.00	0.00	0.00	0.00	48.10	46.55	48.10	48.10	43.45	48.10	367.35
7	RTPP Stage-IV	145.32	150.17	0.00	0.00	150.17	0.00	53.28	145.32	150.17	150.17	135.63	150.17	1230.39
8	APGenco-Thermal Total	769.71	785.67	315.97	260.82	511.00	334.35	628.66	666.99	772.09	795.37	718.40	795.37	7354.40
9	APGenco - Hydel													
10	Srisaillam Right Bank Power House (AP)	13.80	4.24	1.88	20.62	93.98	94.67	61.61	19.41	19.41	16.09	26.52	25.82	398.05
11	Nagarjunasagar Right Bank Power House (AP)	0.14	0.14	0.00	0.00	4.31	8.07	6.86	7.45	5.33	3.60	1.49	0.78	38.18
12	Nagarjunasagar Tail Pond Dam Power House	0.40	0.40	0.40	1.62	3.24	5.26	5.26	6.47	6.47	3.64	1.62	1.62	36.39
13	Upper Sileru Power House (AP)	19.14	12.49	10.22	12.81	12.97	13.01	14.93	15.94	13.90	19.96	21.15	26.20	192.72
14	Lower Sileru Power House (AP)	38.22	28.09	25.51	35.98	38.03	36.27	36.16	35.03	37.93	42.44	42.85	46.10	442.62
15	DONKARAYI (AP)	2.94	2.60	1.90	2.77	2.40	3.54	3.95	3.48	3.83	3.67	3.93	3.91	38.92
16	Penna Ahobilam (AP)	0.00	0.00	0.00	0.01	0.31	0.30	0.44	0.30	0.34	0.17	0.17	0.16	2.20
17	MINI HYDEL(Chettipeta)-AP	0.05	0.00	0.03	0.15	0.12	0.13	0.03	0.02	0.11	0.16	0.11	0.15	1.08
18	APGenco Hydel Total	74.70	47.96	39.94	73.97	155.37	161.25	129.24	88.10	87.31	89.73	97.84	104.74	1150.14
19	Interstate - Hydel													
20	MACHKUND PH AP Share	12.47	13.47	11.64	12.95	13.67	11.92	11.42	10.97	11.36	12.21	12.07	12.49	146.66
21	TUNGBHADRA PH AP Share	0.79	0.18	0.05	3.57	8.71	8.71	7.23	6.34	3.93	4.73	3.19	3.19	50.65
22	Interstate - Hydel Total	13.26	13.66	11.70	16.52	22.38	20.64	18.65	17.31	15.29	16.94	15.27	15.68	197.31
23	APGENCO-TOTAL	857.67	847.28	367.61	351.32	688.75	516.24	776.56	772.40	874.70	902.04	831.50	915.79	8701.85
24	CG Stations													

S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
25	NTPC(SR) Ramagundam I & II	57.14	57.14	60.55	69.54	69.54	48.12	69.54	69.54	48.12	69.54	69.54	69.54	757.84
26	NTPC(SR) Simhadri Stage-I	109.71	113.82	56.94	113.82	113.82	109.71	113.82	109.71	113.82	113.82	101.51	113.82	1284.32
27	NTPC(SR) Simhadri Stage-II	35.68	28.18	49.71	51.52	51.52	49.71	51.52	49.71	51.52	51.52	46.08	51.52	568.19
28	NTPC(SR) Talcher Stage-II	42.48	44.08	42.48	36.07	37.74	29.07	44.08	42.48	44.08	44.08	39.27	44.08	489.99
29	NTPC(SR) Ramagundam III	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10	16.10	193.25
30	NLC Stage-I	6.41	6.87	5.78	4.78	4.58	4.49	6.44	6.28	6.51	6.89	5.56	6.89	71.47
31	NLC Stage-II	11.76	11.60	10.01	12.51	12.51	11.76	9.80	8.81	9.02	10.61	10.20	12.51	131.10
32	NPC(MAPS)	1.57	1.63	1.57	1.63	1.63	1.57	1.63	1.57	1.63	1.63	1.45	1.63	19.14
33	NPC - Kaiga unit I,II,III&IV	27.49	27.49	27.49	27.49	27.49	27.49	27.49	27.49	27.49	27.49	27.49	27.49	329.85
34	CGS Stations Total	308.34	306.92	270.62	333.45	334.93	298.02	340.41	331.69	318.30	341.67	317.20	343.58	3845.14
35	JNNSM Thermal (Bundled)													
36	JNNSM Ph-I Thermal (Bundled)	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	128.60
37	JNNSM Thermal (Bundled) - Total	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	10.72	128.60
38	NCE													
39	NCE - Others	11.21	13.59	10.29	4.15	6.41	6.38	17.50	15.19	16.86	19.73	14.00	13.36	148.67
40	NCE - Wind Power	418.31	641.97	1183.55	1116.08	961.14	856.68	370.82	355.65	424.35	370.22	355.14	361.14	7415.05
41	NCE - Solar (other than JNNSM)	407.77	410.20	360.69	278.36	357.75	356.31	332.93	301.22	330.51	359.03	394.71	434.85	4324.33
42	JNNSM Ph-1 solar	12.24	7.58	5.34	4.96	3.70	3.34	4.23	5.10	3.04	2.82	10.17	4.02	66.54
43	JNNSM Ph-2 Solar	342.56	286.43	265.40	168.61	212.14	180.80	167.97	113.04	290.19	138.68	229.61	339.26	2734.74
44	NCE TOTAL	1192.09	1359.77	1825.27	1572.16	1541.14	1403.51	893.45	790.20	1064.95	890.48	1003.63	1152.63	14689.33
45	Others													
46	APPDCL Stage-I	403.77	417.22	403.77	417.22	417.22	403.77	286.65	403.77	202.39	354.85	376.85	417.22	4504.70
47	Thermal Powertech Corporation	56.55	56.55	56.55	56.55	56.55	56.55	56.55	27.05	56.55	56.55	56.55	56.55	649.07
48	Godavari Gas Power Ltd. (GGPL)	18.04	18.67	18.04	10.12	0.00	18.04	18.67	18.04	18.67	18.67	16.77	18.67	192.37
49	Hinduja National Power Limited (HNPL)	258.82	254.77	258.82	218.78	218.78	258.82	266.90	258.82	266.90	266.90	186.02	213.93	2928.26
50	Others Total	737.17	747.21	737.17	702.67	692.55	737.17	628.77	707.66	544.50	696.97	636.19	706.37	8274.40
51	Total Despatch	3105.99	3271.90	3211.38	2970.32	3268.10	2965.66	2649.91	2612.67	2813.18	2841.89	2799.24	3129.08	35639.32
52	Sale to EPDCL	-426.05	-602.28	-746.81	-492.71	-525.93	-403.06	-161.90	-203.64	-281.97	-193.03	-133.21	-97.86	-4268.46
53	Sale to CPDCL	-274.54	-378.41	-350.78	-279.04	-270.44	-258.64	-104.33	-131.23	-181.70	-124.39	-85.84	-63.06	-2502.39
54	Net DESPATCH	2405.40	2291.21	2113.79	2198.57	2471.74	2303.96	2383.69	2277.80	2349.50	2524.47	2580.19	2968.15	28868.47

ANNEXURE – 07 (B)**APPROVED: ENERGY DESPATCH (MU) FOR FY2022-23 – APEPDCL**

S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
1	APGenco-Thermal													
2	Dr. NTTPS	250.15	258.49	250.15	258.49	216.80	229.30	216.80	229.30	258.49	258.49	233.47	258.49	2918.41
3	Dr. NTTPS-IV	100.63	103.98	100.63	103.98	103.98	100.63	103.98	50.31	103.98	103.98	93.92	103.98	1173.96
4	RTPP Stage -I	83.38	86.16	83.38	65.32	86.16	83.38	65.32	83.38	86.16	86.16	77.82	86.16	972.80
5	RTPP Stage-II	83.38	86.16	83.38	86.16	86.16	83.38	86.16	62.54	65.32	86.16	77.82	86.16	972.80
6	RTPP Stage-III	41.69	43.08	41.69	43.08	43.08	20.85	43.08	41.69	43.08	43.08	38.91	43.08	486.40
7	RTPP Stage-IV	130.16	134.50	130.16	134.50	134.50	130.16	47.72	130.16	134.50	134.50	121.48	134.50	1496.80
8	APGenco-Thermal Total	689.39	712.37	689.39	691.52	670.68	647.70	563.06	597.38	691.52	712.37	643.43	712.37	8021.18
9	APGenco - Hydel													
10	Srisailem Right Bank Power House (AP)	12.36	3.80	1.68	18.47	84.18	84.79	55.18	17.38	17.38	14.41	23.75	23.12	356.52
11	Nagarjunasagar Right Bank Power House (AP)	0.13	0.12	0.00	0.00	3.86	7.23	6.14	6.68	4.78	3.22	1.33	0.70	34.19
12	Nagarjunasagar Tail Pond Dam Power House	0.36	0.36	0.36	1.45	2.90	4.71	4.71	5.80	5.80	3.26	1.45	1.45	32.59
13	Upper Sileru Power House (AP)	17.14	11.18	9.16	11.47	11.62	11.65	13.37	14.27	12.45	17.88	18.94	23.47	172.61
14	Lower Sileru Power House (AP)	34.23	25.16	22.85	32.23	34.06	32.48	32.39	31.38	33.97	38.01	38.38	41.29	396.43
15	DONKARAYI (AP)	2.63	2.33	1.70	2.48	2.15	3.17	3.54	3.12	3.43	3.29	3.52	3.50	34.85
16	Penna Ahobilam (AP)	0.00	0.00	0.00	0.01	0.28	0.27	0.39	0.27	0.30	0.15	0.15	0.14	1.97
17	MINI HYDEL(Chettipeta)-AP	0.05	0.00	0.03	0.14	0.11	0.12	0.03	0.02	0.10	0.14	0.10	0.13	0.96
18	APGenco Hydel Total	66.90	42.95	35.77	66.25	139.15	144.42	115.75	78.91	78.20	80.37	87.63	93.81	1030.12
19	Interstate - Hydel													
20	MACHKUND PH AP Share	11.17	12.07	10.43	11.60	12.24	10.68	10.23	9.82	10.18	10.94	10.81	11.19	131.36
21	TUNGBHADRA PH AP Share	0.71	0.16	0.05	3.20	7.81	7.81	6.48	5.68	3.52	4.24	2.86	2.86	45.36
22	Interstate - Hydel Total	11.88	12.23	10.47	14.80	20.05	18.48	16.71	15.50	13.70	15.18	13.67	14.05	176.72
23	APGENCO-TOTAL	768.17	767.55	735.64	772.57	829.88	810.60	695.52	691.80	783.42	807.91	744.73	820.22	9228.02
24	CG Stations													

S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
25	NTPC(SR) Ramagundam I & II	51.18	51.18	54.23	62.28	62.28	43.10	62.28	62.28	43.10	62.28	62.28	62.28	678.76
26	NTPC(SR) Simhadri Stage-I	98.26	101.94	51.00	101.94	101.94	98.26	101.94	98.26	101.94	101.94	90.92	101.94	1150.30
27	NTPC(SR) Simhadri Stage-II	31.96	25.24	44.52	46.14	46.14	44.52	46.14	44.52	46.14	46.14	41.27	46.14	508.89
28	NTPC(SR) Talcher Stage-II	38.05	39.48	38.05	32.30	33.80	26.04	39.48	38.05	39.48	39.48	35.17	39.48	438.86
45	NTPC(SR) Ramagundam III	14.42	14.42	14.42	14.42	14.42	14.42	14.42	14.42	14.42	14.42	14.42	14.42	173.08
29	NLC Stage-I	5.74	6.15	5.17	4.28	4.11	4.02	5.76	5.62	5.83	6.17	4.98	6.17	64.01
30	NLC Stage-II	10.53	10.39	8.97	11.20	11.20	10.53	8.77	7.89	8.08	9.50	9.14	11.20	117.42
31	NPC(MAPS)	1.40	1.46	1.40	1.46	1.46	1.40	1.46	1.40	1.46	1.46	1.30	1.46	17.15
32	NPC - Kaiga unit I,II,III&IV	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.62	295.43
33	CGS Stations Total	276.17	274.89	242.38	298.65	299.98	266.92	304.89	297.08	285.09	306.02	284.10	307.72	3443.89
34	JNN SM Thermal (Bundled)													
35	JNN SM Ph-I Thermal (Bundled)	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	115.18
36	JNN SM Thermal (Bundled) - Total	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	115.18
37	NCE													
38	NCE - Others	15.46	14.37	14.62	15.26	15.28	14.24	15.79	15.22	15.66	16.98	14.78	15.72	183.38
39	NCE - Solar (other than JNN SM)	1.41	1.38	1.08	1.07	1.11	1.06	0.94	1.09	1.23	1.19	1.26	1.32	14.14
40	NCE TOTAL	16.87	15.75	15.70	16.33	16.39	15.30	16.73	16.31	16.89	18.17	16.04	17.04	197.52
41	Others													
42	APPDCL Stage-I	361.63	373.69	361.63	373.69	373.69	361.63	256.74	361.63	181.27	317.82	337.52	373.69	4034.62
43	Thermal Powertech Corporation	50.65	50.65	50.65	50.65	50.65	50.65	50.65	24.22	50.65	50.65	50.65	50.65	581.33
44	Godavari Gas Power Ltd. (GGPL)	16.15	16.72	16.15	9.06	0.00	16.15	16.72	16.15	16.72	16.72	15.02	16.72	172.30
46	Hinduja National Power Limited (HNPL)	231.81	228.19	231.81	195.95	195.95	231.81	239.05	231.81	239.05	239.05	166.61	191.60	2622.69
47	Others Total	660.24	669.24	660.24	629.35	620.28	660.24	563.16	633.82	487.68	624.24	569.81	632.66	7410.95
48	Total Despatch	731.05	1737.03	1663.56	1726.50	1776.13	1762.66	1589.90	1648.60	1582.68	1765.94	1624.27	1787.24	20395.56
49	Purchase from APSDCL	426.05	602.28	746.81	492.71	525.93	403.06	161.90	203.64	281.97	193.03	133.21	97.86	4268.46
50	Purchase from Market	126.23	34.80	0.00	0.00	0.00	0.00	355.76	259.11	221.82	273.39	413.76	621.94	2306.81
51	Net DESPATCH	283.32	2374.12	2410.37	2219.21	2302.06	2165.72	2107.56	2111.35	2086.47	2232.36	2171.25	2507.04	26970.83

ANNEXURE – 07 (C)**APPROVED: ENERGY DESPATCH (MU) FOR FY2022-23 – APCPDCL**

S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
1	APGenco-Thermal													
2	Dr. NTPS	161.20	166.57	161.20	166.57	139.70	147.76	139.70	147.76	166.57	166.57	150.45	166.57	1880.61
3	Dr. NTPS-IV	64.84	67.00	64.84	67.00	67.00	64.84	67.00	32.42	67.00	67.00	60.52	67.00	756.50
4	RTPP Stage -I	53.73	55.52	53.73	42.09	55.52	53.73	42.09	53.73	55.52	55.52	50.15	55.52	626.87
5	RTPP Stage-II	53.73	55.52	53.73	55.52	55.52	53.73	55.52	40.30	42.09	55.52	50.15	55.52	626.87
6	RTPP Stage-III	26.87	27.76	26.87	27.76	27.76	13.43	27.76	26.87	27.76	27.76	25.07	27.76	313.43
7	RTPP Stage-IV	83.87	86.67	83.87	86.67	86.67	83.87	30.75	83.87	86.67	86.67	78.28	86.67	964.53
8	APGenco-Thermal Total	444.24	459.05	444.24	445.61	432.18	417.37	362.83	384.95	445.61	459.05	414.62	459.05	5168.81
9	APGenco - Hydel													
10	Srisaillam Right Bank Power House (AP)	7.97	2.45	1.09	11.90	54.24	54.64	35.56	11.20	11.20	9.29	15.30	14.90	229.74
11	Nagarjunasagar Right Bank Power House (AP)	0.08	0.08	0.00	0.00	2.49	4.66	3.96	4.30	3.08	2.08	0.86	0.45	22.03
12	Nagarjunasagar Tail Pond Dam Power House	0.23	0.23	0.23	0.93	1.87	3.03	3.03	3.73	3.73	2.10	0.93	0.93	21.00
13	Upper Sileru Power House (AP)	11.05	7.21	5.90	7.39	7.49	7.51	8.62	9.20	8.02	11.52	12.21	15.12	111.23
14	Lower Sileru Power House (AP)	22.06	16.21	14.72	20.77	21.95	20.93	20.87	20.22	21.89	24.50	24.73	26.61	255.46
15	DONKARAYI (AP)	1.70	1.50	1.10	1.60	1.38	2.04	2.28	2.01	2.21	2.12	2.27	2.25	22.46
16	Penna Ahobilam (AP)	0.00	0.00	0.00	0.01	0.18	0.17	0.25	0.17	0.19	0.10	0.10	0.09	1.27
17	MINI HYDEL(Chettipeta)-AP	0.03	0.00	0.02	0.09	0.07	0.08	0.02	0.01	0.07	0.09	0.07	0.09	0.62
18	APGenco Hydel Total	43.11	27.68	23.05	42.69	89.67	93.07	74.59	50.85	50.39	51.79	56.47	60.45	663.81
19	Interstate - Hydel													
20	MACHKUND PH AP Share	7.20	7.78	6.72	7.48	7.89	6.88	6.59	6.33	6.56	7.05	6.97	7.21	84.65
21	TUNGBHADRA PH AP Share	0.46	0.11	0.03	2.06	5.03	5.03	4.17	3.66	2.27	2.73	1.84	1.84	29.23
22	Interstate - Hydel Total	7.66	7.88	6.75	9.54	12.92	11.91	10.77	9.99	8.83	9.78	8.81	9.05	113.88
23	APGENCO-TOTAL	495.01	494.61	474.04	497.84	534.77	522.35	448.19	445.79	504.83	520.62	479.90	528.55	5946.49

S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	32.98	32.98	34.95	40.13	40.13	27.77	40.13	40.13	27.77	40.13	40.13	40.13	437.39
26	NTPC(SR) Simhadri Stage-I	63.32	65.69	32.86	65.69	65.69	63.32	65.69	63.32	65.69	65.69	58.59	65.69	741.25
27	NTPC(SR) Simhadri Stage-II	20.59	16.26	28.69	29.74	29.74	28.69	29.74	28.69	29.74	29.74	26.59	29.74	327.93
28	NTPC(SR) Talcher Stage-II	24.52	25.44	24.52	20.82	21.78	16.78	25.44	24.52	25.44	25.44	22.67	25.44	282.80
29	NTPC(SR) Ramagundam III	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29	9.29	111.53
30	NLC Stage-I	3.70	3.96	3.33	2.76	2.65	2.59	3.71	3.62	3.76	3.97	3.21	3.97	41.25
31	NLC Stage-II	6.79	6.70	5.78	7.22	7.22	6.79	5.65	5.09	5.21	6.12	5.89	7.22	75.66
32	NPC(MAPS)	0.90	0.94	0.90	0.94	0.94	0.90	0.94	0.90	0.94	0.94	0.84	0.94	11.05
33	NPC - Kaiga unit I,II,III & IV	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	190.37
34	CGS Stations Total	177.96	177.14	156.19	192.45	193.31	172.00	196.47	191.43	183.71	197.20	183.07	198.30	2219.23
35	JNN SM Thermal (Bundled)													
36	JNN SM Ph-I Thermal (Bundled)	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	74.22
37	JNN SM Thermal (Bundled) - Total	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	74.22
38	NCE													
39	NCE - Others	12.18	12.99	12.54	14.75	13.01	11.50	14.29	13.68	15.25	13.86	14.86	14.99	163.90
40	NCE - Solar (other than JNN SM)	3.85	3.57	3.26	2.38	3.62	3.48	2.83	2.59	3.12	3.24	3.41	4.14	39.49
41	NCE TOTAL	16.03	16.56	15.80	17.13	16.63	14.98	17.12	16.27	18.37	17.10	18.27	19.13	203.39
42	Others													
43	APPDCL Stage-I	233.03	240.80	233.03	240.80	240.80	233.03	165.44	233.03	116.81	204.80	217.50	240.80	2599.89
44	Thermal Powertech Corporation	32.64	32.64	32.64	32.64	32.64	32.64	32.64	15.61	32.64	32.64	32.64	32.64	374.61
45	Godavari Gas Power Ltd. (GGPL)	10.41	10.77	10.41	5.84	0.00	10.41	10.77	10.41	10.77	10.77	9.68	10.77	111.03
46	Hinduja National Power Limited (HNPL)	149.376	147.042	149.376	126.2694	126.2694	149.376	154.044	149.376	154.044	154.044	107.364	123.4686	1690.05
47	Others Total	425.46	431.25	425.46	405.55	399.71	425.46	362.90	408.43	314.26	402.26	367.18	407.68	4775.58
48	Total Despatch	1120.64	1125.75	1077.67	1119.15	1150.60	1140.97	1030.86	1068.11	1027.36	1143.36	1054.61	1159.84	13218.91
49	Purchase from APSPDCL	274.54	378.41	350.78	279.04	270.44	258.64	104.33	131.23	181.70	124.39	85.84	63.06	2502.39
50	Purchase from Market	44.35	0.00	0.00	0.00	0.00	0.00	338.23	216.47	169.38	121.16	220.75	257.93	1368.27
51	Net DESPATCH	1439.53	1504.16	1428.45	1398.19	1421.04	1399.61	1473.42	1415.81	1378.44	1388.90	1361.20	1480.83	17089.58

ANNEXURE – 07 (D)**APPROVED: ENERGY DESPATCH (MU) FOR FY2022-23 – DISCOMS (TOTAL)**

S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
1	APGenco-Thermal													
2	Dr. NTTPS	690.64	713.66	614.96	569.79	598.55	599.07	598.55	633.09	713.66	713.66	644.60	713.66	7803.89
3	Dr. NTTPS-IV	277.82	287.08	277.82	287.08	287.08	277.82	287.08	138.91	287.08	287.08	259.30	287.08	3241.20
4	RTPP Stage -I	230.21	237.89	137.11	107.41	144.38	137.11	180.33	230.21	237.89	237.89	214.87	237.89	2333.18
5	RTPP Stage-II	230.21	237.89	137.11	141.69	141.69	137.11	237.89	172.66	180.33	237.89	214.87	237.89	2307.22
6	RTPP Stage-III	115.11	109.24	68.56	70.84	70.84	34.28	118.94	115.11	118.94	118.94	107.43	118.94	1167.18
7	RTPP Stage-IV	359.35	371.33	214.03	221.16	371.33	214.03	131.76	359.35	371.33	371.33	335.39	371.33	3691.72
8	APGenco-Thermal Total	1903.34	1957.08	1449.60	1397.96	1613.86	1399.43	1554.56	1649.32	1909.23	1966.78	1776.45	1966.78	20544.39
9	APGenco - Hydel													
10	Srisailem Right Bank Power House (AP)	34.13	10.49	4.65	51.00	232.40	234.11	152.35	47.99	47.99	39.79	65.57	63.84	984.31
11	Nagarjunasagar Right Bank Power House (AP)	0.35	0.34	0.00	0.00	10.66	19.96	16.96	18.43	13.19	8.90	3.68	1.93	94.40
12	Nagarjunasagar Tail Pond Dam Power House	0.99	0.99	0.99	4.00	8.01	13.00	13.00	16.00	16.00	9.00	4.00	4.00	89.98
13	Upper Sileru Power House (AP)	47.33	30.88	25.28	31.67	32.08	32.17	36.92	39.41	34.37	49.36	52.30	64.79	476.56
14	Lower Sileru Power House (AP)	94.51	69.46	63.08	88.98	94.04	89.68	89.42	86.63	93.79	104.95	105.96	114.00	1094.50
15	DONKARAYI (AP)	7.27	6.43	4.70	6.85	5.93	8.75	9.77	8.61	9.46	9.08	9.72	9.66	96.23
16	Penna Ahobilam (AP)	0.00	0.00	0.00	0.03	0.77	0.74	1.08	0.74	0.83	0.42	0.42	0.40	5.43
17	MINI HYDEL(Chettipeta)-AP	0.13	0.00	0.07	0.38	0.30	0.33	0.08	0.05	0.28	0.39	0.28	0.37	2.66
18	APGenco Hydel Total	184.71	118.59	98.77	182.91	384.19	398.74	319.58	217.86	215.91	221.89	241.93	258.99	2844.07
19	Interstate - Hydel													
20	MACHKUND PH AP Share	30.84	33.32	28.79	32.03	33.80	29.48	28.25	27.12	28.10	30.20	29.85	30.89	362.67
21	TUNGBHADRA PH AP Share	1.96	0.45	0.13	8.83	21.55	21.55	17.88	15.68	9.72	11.70	7.90	7.89	125.24
22	Interstate - Hydel Total	32.80	33.77	28.92	40.86	55.35	51.03	46.13	42.80	37.82	41.90	37.75	38.78	487.91
23	APGENCO-TOTAL	2120.85	2109.44	1577.29	1621.73	2053.40	1849.20	1920.27	1909.98	2162.96	2230.57	2056.13	2264.55	23876.37

S. No.	Generating Station / Stage	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	FY TOTAL
24	CG Stations													
25	NTPC(SR) Ramagundam I & II	141.31	141.31	149.73	171.95	171.95	119.00	171.95	171.95	119.00	171.95	171.95	171.95	1874.00
26	NTPC(SR) Simhadri Stage-I	271.30	281.45	140.80	281.45	281.45	271.30	281.45	271.30	281.45	281.45	251.01	281.45	3175.86
27	NTPC(SR) Simhadri Stage-II	88.23	69.68	122.92	127.40	127.40	122.92	127.40	122.92	127.40	127.40	113.94	127.40	1405.01
28	NTPC(SR) Talcher Stage-II	105.04	109.00	105.04	89.18	93.33	71.88	109.00	105.04	109.00	109.00	97.11	109.00	1211.64
29	NTPC(SR) Ramagundam III	39.82	39.82	39.82	39.82	39.82	39.82	39.82	39.82	39.82	39.82	39.82	39.82	477.86
30	NLC Stage-I	15.85	16.99	14.28	11.81	11.34	11.10	15.92	15.53	16.11	17.03	13.76	17.03	176.72
31	NLC Stage-II	29.08	28.70	24.75	30.93	30.93	29.08	24.23	21.80	22.31	26.23	25.23	30.93	324.18
32	NPC(MAPS)	3.87	4.04	3.87	4.04	4.04	3.87	4.04	3.87	4.04	4.04	3.58	4.04	47.34
33	NPC - Kaiga unit I,II,III&IV	67.97	67.97	67.97	67.97	67.97	67.97	67.97	67.97	67.97	67.97	67.97	67.97	815.65
34	CGS Stations Total	762.47	758.95	669.19	824.55	828.23	736.94	841.78	820.20	787.09	844.89	784.37	849.59	9508.26
35	JNN SM Thermal (Bundled)													
36	JNN SM Ph-I Thermal (Bundled)	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	318.00
37	JNN SM Thermal (Bundled) - Total	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50	318.00
38	NCE													
39	NCE - Others	38.85	40.95	37.45	34.16	34.70	32.12	47.58	44.09	47.77	50.57	43.64	44.07	495.95
40	NCE - Wind Power	418.31	641.97	1183.55	1116.08	961.14	856.68	370.82	355.65	424.35	370.22	355.14	361.14	7415.05
41	NCE - Solar (other than JNN SM)	413.03	415.15	365.03	281.81	362.48	360.85	336.70	304.90	334.86	363.46	399.38	440.31	4377.96
42	JNN SM Ph-1 solar	12.24	7.58	5.34	4.96	3.70	3.34	4.23	5.10	3.04	2.82	10.17	4.02	66.54
43	JNN SM Ph-2 Solar	342.56	286.43	265.40	168.61	212.14	180.80	167.97	113.04	290.19	138.68	229.61	339.26	2734.74
44	NCE TOTAL	1224.99	1392.08	1856.77	1605.62	1574.16	1433.79	927.30	822.78	1100.21	925.75	1037.94	1188.80	15090.24
45	Others													
46	APPDCL Stage-I	998.43	1031.71	998.43	1031.71	1031.71	998.43	708.84	998.43	500.46	877.48	931.87	1031.71	11139.22
47	Thermal Powertech Corporation	139.83	139.83	139.83	139.83	139.83	139.83	139.83	66.88	139.83	139.83	139.83	139.83	1605.01
48	Godavari Gas Power Ltd. (GGPL)	44.60	46.16	44.60	25.02	0.00	44.60	46.16	44.60	46.16	46.16	41.48	46.16	475.70
49	Hinduja National Power Limited (HNPL)	640.00	630.00	640.00	541.00	541.00	640.00	660.00	640.00	660.00	660.00	460.00	529.00	7241.00
50	Others Total	1822.86	1847.70	1822.86	1737.56	1712.54	1822.86	1554.83	1749.91	1346.45	1723.47	1573.18	1746.70	20460.93
51	Total Despatch	5957.67	6134.68	5952.61	5815.97	6194.84	5869.29	5270.67	5329.38	5423.21	5751.18	5478.13	6076.15	69253.80
52	EPDCL purchases from SPDCL	426.05	602.28	746.81	492.71	525.93	403.06	161.90	203.64	281.97	193.03	133.21	97.86	4268.46
53	CPDCL purchases from SPDCL	274.54	378.41	350.78	279.04	270.44	258.64	104.33	131.23	181.70	124.39	85.84	63.06	2502.39
54	SPDCL Sales to (EP+CP)	-700.59	-980.70	-1097.59	-771.75	-796.37	-661.70	-266.22	-334.87	-463.68	-317.42	-219.05	-160.93	-6770.86
55	Market purchases	170.58	34.80	0.00	0.00	0.00	0.00	694.00	475.58	391.20	394.55	634.51	879.87	3675.08
56	DISCOMs' total Despatch	6128.25	6169.49	5952.61	5815.97	6194.84	5869.29	5964.67	5804.96	5814.41	5145.73	6112.64	6956.02	72928.88

ANNEXURE – 08 (A)**FILING: STATION WISE POWER PURCHASE COST FOR FY2022-23 – APSPDCL**

S. No	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)					Unit Cost (Rs./kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
1	Apogenco-Thermal											
2	Dr. NTPS	3652.41	288.62	1322.17	0.00	0.00	1610.79	0.79	3.62	0.00	0.00	4.41
3	Dr. NTPS-IV	1528.63	115.93	505.98	0.00	0.00	621.90	0.76	3.31	0.00	0.00	4.07
4	RTPP Stage-I	1212.71	108.84	489.94	0.00	0.00	598.77	0.90	4.04	0.00	0.00	4.94
5	RTPP Stage-II	1183.90	106.72	478.30	0.00	0.00	585.02	0.90	4.04	0.00	0.00	4.94
6	RTPP Stage-III	503.29	68.97	203.33	0.00	0.00	272.30	1.37	4.04	0.00	0.00	5.41
7	RTPP Stage-IV	1868.42	304.32	734.29	0.00	0.00	1038.61	1.63	3.93	0.00	0.00	5.56
8	Genco-Thermal Total	9949.38	993.39	3734.00	0.00	0.00	4727.39	1.00	3.75	0.00	0.00	4.75
9	APGenco - Hydel											
10	Srisaillam RCPH	341.14	91.92	0.00	0.00	0.00	91.92	2.69	0.00	0.00	0.00	2.69
11	NSRCPH	38.17	10.55	0.00	0.00	0.00	10.55	2.76	0.00	0.00	0.00	2.76
12	NSTPDC PH	36.40	20.26	0.00	0.00	0.00	20.26	5.57	0.00	0.00	0.00	5.57
13	Upper Sileru	192.72	98.87	0.00	0.00	0.00	98.87	5.13	0.00	0.00	0.00	5.13
14	Lower Sileru	442.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Donkarayi	38.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	PABM	2.19	5.47	0.00	0.00	0.00	5.47	24.91	0.00	0.00	0.00	24.91
17	Minihydel(Chettipet)	1.07	0.74	0.00	0.00	0.00	0.74	6.87	0.00	0.00	0.00	6.87
18	APGenco - Hydel Total	1093.24	227.81	0.00	0.00	0.00	227.81	2.08	0.00	0.00	0.00	2.08
19	Interstate - Hydel											
20	Machkund AP share	122.41	26.19	0.00	0.00	0.00	26.19	2.14	0.00	0.00	0.00	2.14
21	TB Dam AP Share	45.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Interstate - Hydel Total	168.23	26.19	0.00	0.00	0.00	26.19	1.56	0.00	0.00	0.00	1.56
23	APGENCO-TOTAL	11210.84	1247.39	3734.00	0.00	0.00	4981.40	1.11	3.33	0.00	0.00	4.44
24	CG Stations											
25	NTPC(SR) Ramagundam I & II	831.98	56.18	228.72	0.00	0.00	284.90	0.68	2.75	0.00	0.00	3.42
26	NTPC(SR) Simhadri Stage-I	1453.52	123.25	457.20	0.00	0.00	580.45	0.85	3.15	0.00	0.00	3.99
27	NTPC(SR) Simhadri Stage-II	629.04	88.00	198.52	0.00	0.00	286.52	1.40	3.16	0.00	0.00	4.55
28	NTPC(SR) Talcher Stage-II	532.27	35.49	96.86	0.00	0.00	132.35	0.67	1.82	0.00	0.00	2.49
29	NTPC(SR) Ramagundam III	224.64	14.97	60.76	0.00	0.00	75.73	0.67	2.70	0.00	0.00	3.37
30	NTPC Kudgi Stage-I	687.01	108.41	249.81	0.00	0.00	358.22	1.58	3.64	0.00	0.00	5.21

S. No	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)					Unit Cost (Rs./kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
31	NTECL Valluru	265.88	43.18	86.18	0.00	0.00	129.36	1.62	3.24	0.00	0.00	4.87
32	NLC Stage-I	75.44	8.99	20.72	0.00	0.00	29.71	1.19	2.75	0.00	0.00	3.94
33	NLC Stage-II	106.37	17.08	29.45	0.00	0.00	46.53	1.61	2.77	0.00	0.00	4.37
34	NPC(MAPS)	19.14	0.00	5.21	0.00	0.00	5.21	0.00	2.72	0.00	0.00	2.72
35	NPC(KAIGA unit I,II,III,IV)	282.65	0.00	103.76	0.00	0.00	103.76	0.00	3.67	0.00	0.00	3.67
36	NTPL(NLC TamilNadu)	353.85	53.49	111.22	0.00	0.00	164.71	1.51	3.14	0.00	0.00	4.65
37	NLC NNTPS	138.21	26.84	31.72	0.00	0.00	58.56	1.94	2.29	0.00	0.00	4.24
38	CGS Total	5600.00	575.87	1680.13	0.00	0.00	2256.00	1.03	3.00	0.00	0.00	4.03
39	JNNSM Thermal (Bundled)											
40	JNNSM Ph-1 Thermal	119.06	20.72	37.03	0.00	0.00	57.74	1.74	3.11	0.00	0.00	4.85
41	JNNSM Thermal (Bundled) - Total	119.06	20.72	37.03	0.00	0.00	57.74	1.74	3.11	0.00	0.00	4.85
42	NCE											
43	NCE- Others	129.08	0.00	57.27	0.00	0.00	57.27	0.00	4.44	0.00	0.00	4.44
44	NCE Wind	6748.35	0.00	1639.85	0.00	0.00	1639.85	0.00	2.43	0.00	0.00	2.43
45	NCE Solar	2367.27	0.00	577.61	0.00	0.00	577.61	0.00	2.44	0.00	0.00	2.44
46	NCE Solar Parks	381.70	0.00	227.49	0.00	0.00	227.49	0.00	5.96	0.00	0.00	5.96
47	NTPC - SBG NP KUNTA	568.66	0.00	159.23	0.00	0.00	159.23	0.00	2.80	0.00	0.00	2.80
48	NTPC Ayana NP Kunta	548.47	0.00	153.57	0.00	0.00	153.57	0.00	2.80	0.00	0.00	2.80
49	NTPC Spring Agnitra NP Kunta	536.35	0.00	149.64	0.00	0.00	149.64	0.00	2.79	0.00	0.00	2.79
50	JNNSM Ph-1 Solar	32.74	0.00	35.03	0.00	0.00	35.03	0.00	10.70	0.00	0.00	10.70
51	JNNSM Ph-2 Solar	2679.03	0.00	1200.21	0.00	0.00	1200.21	0.00	4.48	0.00	0.00	4.48
52	NCE TOTAL	13991.66	0.00	4199.91	0.00	0.00	4199.91	0.00	3.00	0.00	0.00	3.00
53	Others											
54	APPDCL Stage-I	4505.42	720.31	1485.44	0.00	0.00	2205.75	1.60	3.30	0.00	0.00	4.90
55	Godavari Gas Power Plant	191.97	10.11	52.02	0.00	0.00	62.13	0.53	2.71	0.00	0.00	3.24
56	Thermal Powertech Corporation	690.40	109.33	159.31	2.71	18.64	289.99	1.58	2.31	0.04	0.27	4.20
57	Others Total	5387.79	839.76	1696.77	2.71	18.64	2557.88	1.56	3.15	0.01	0.03	4.75
58	Total	36309.35	2683.74	11347.84	2.71	18.64	14052.93	0.74	3.13	0.00	0.01	3.87
59	Short term purchases	2128.89	0.00	851.55	0.00	0.00	851.55	0.00	4.00	0.00	0.00	4.00
60	Sale to EPDCL	-5658.21	0.00	-1697.46	0.00	0.00	-1697.46	0.00	3.00	0.00	0.00	3.00
61	Sale to CPDCL	-3043.26	0.00	-912.98	0.00	0.00	-912.98	0.00	3.00	0.00	0.00	3.00
62	GRAND TOTAL	29736.76	2683.74	9588.95	2.71	18.64	12294.04	0.90	3.22	0.00	0.01	4.13

ANNEXURE – 08 (B)

FILING: STATION WISE POWER PURCHASE COST FOR FY2022-23 – APEPDCL

S. No	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)					Unit Cost (Rs./kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
1	Apgenco-Thermal											
2	Dr. NTPPS	3271.27	258.50	1184.20	0.00	0.00	1442.70	0.79	3.62	0.00	0.00	4.41
3	Dr. NTPPS-IV	1369.12	103.83	453.18	0.00	0.00	557.01	0.76	3.31	0.00	0.00	4.07
4	RTPP Stage-I	1086.17	97.48	438.81	0.00	0.00	536.29	0.90	4.04	0.00	0.00	4.94
5	RTPP Stage-II	1060.36	95.58	428.38	0.00	0.00	523.97	0.90	4.04	0.00	0.00	4.94
6	RTPP Stage-III	450.77	61.77	182.11	0.00	0.00	243.88	1.37	4.04	0.00	0.00	5.41
7	RTPP Stage-IV	1673.45	272.57	657.67	0.00	0.00	930.23	1.63	3.93	0.00	0.00	5.56
8	Genco-Thermal Total	8911.14	889.73	3344.35	0.00	0.00	4234.08	1.00	3.75	0.00	0.00	4.75
9	APGenco - Hydel											
10	Srisailem RCPH	305.54	82.33	0.00	0.00	0.00	82.33	2.69	0.00	0.00	0.00	2.69
11	NSRCPH	34.19	9.45	0.00	0.00	0.00	9.45	2.76	0.00	0.00	0.00	2.76
12	NSTPDC PH	32.60	18.15	0.00	0.00	0.00	18.15	5.57	0.00	0.00	0.00	5.57
13	Upper Sileru	172.61	88.55	0.00	0.00	0.00	88.55	5.13	0.00	0.00	0.00	5.13
14	Lower Sileru	396.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Donkarayi	34.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	PABM	1.97	4.90	0.00	0.00	0.00	4.90	24.91	0.00	0.00	0.00	24.91
17	Minihydel(Chettipet)	0.96	0.66	0.00	0.00	0.00	0.66	6.87	0.00	0.00	0.00	6.87
18	APGenco - Hydel Total	979.16	204.04	0.00	0.00	0.00	204.04	2.08	0.00	0.00	0.00	2.08
19	Interstate - Hydel											
20	Machkund AP share	109.63	23.46	0.00	0.00	0.00	23.46	2.14	0.00	0.00	0.00	2.14
21	TB Dam AP Share	41.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Interstate - Hydel Total	150.67	23.46	0.00	0.00	0.00	23.46	1.56	0.00	0.00	0.00	1.56
23	APGENCO-TOTAL	10040.97	1117.22	3344.35	0.00	0.00	4461.58	1.11	3.33	0.00	0.00	4.44
24	CG Stations											
25	NTPC(SR) Ramagundam I & II	745.16	50.32	204.85	0.00	0.00	255.17	0.68	2.75	0.00	0.00	3.42
26	NTPC(SR) Simhadri Stage-I	1301.85	110.39	409.49	0.00	0.00	519.88	0.85	3.15	0.00	0.00	3.99
27	NTPC(SR) Simhadri Stage-II	563.40	78.82	177.80	0.00	0.00	256.62	1.40	3.16	0.00	0.00	4.55
28	NTPC(SR) Talcher Stage-II	476.72	31.78	86.76	0.00	0.00	118.54	0.67	1.82	0.00	0.00	2.49
29	NTPC(SR) Ramagundam III	201.20	13.41	54.42	0.00	0.00	67.83	0.67	2.70	0.00	0.00	3.37

S. No	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)					Unit Cost (Rs./kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
30	NTPC Kudgi Stage-I	615.32	97.09	223.75	0.00	0.00	320.84	1.58	3.64	0.00	0.00	5.21
31	NTECL Valluru	238.13	38.67	77.19	0.00	0.00	115.86	1.62	3.24	0.00	0.00	4.87
32	NLC Stage-I	67.57	8.05	18.56	0.00	0.00	26.61	1.19	2.75	0.00	0.00	3.94
33	NLC Stage-II	95.27	15.29	26.38	0.00	0.00	41.67	1.61	2.77	0.00	0.00	4.37
34	NPC(MAPS)	17.15	0.00	4.67	0.00	0.00	4.67	0.00	2.72	0.00	0.00	2.72
35	NPC(KAIGA unit I,II,III,IV)	253.15	0.00	92.93	0.00	0.00	92.93	0.00	3.67	0.00	0.00	3.67
36	NTPL(NLC TamilNadu)	316.93	47.91	99.61	0.00	0.00	147.52	1.51	3.14	0.00	0.00	4.65
37	NLC NNTPS	123.79	24.04	28.41	0.00	0.00	52.45	1.94	2.29	0.00	0.00	4.24
38	CGS Total	5015.63	515.78	1504.81	0.00	0.00	2020.59	1.03	3.00	0.00	0.00	4.03
39	JNNSM Thermal (Bundled)											
40	JNNSM Ph-1 Thermal	106.64	18.55	33.16	0.00	0.00	51.72	1.74	3.11	0.00	0.00	4.85
41	JNNSM Thermal (Bundled) - Total	106.64	18.55	33.16	0.00	0.00	51.72	1.74	3.11	0.00	0.00	4.85
42	NCE											
43	NCE- Others	165.85	0.00	98.90	0.00	0.00	98.90	0.00	5.96	0.00	0.00	5.96
44	NCE Solar	14.13	0.00	3.45	0.00	0.00	3.45	0.00	2.44	0.00	0.00	2.44
45	NCE TOTAL	179.98	0.00	102.34	0.00	0.00	102.34	0.00	5.69	0.00	0.00	5.69
46	Others											
47	APPDCL Stage-I	4035.27	645.15	1330.43	0.00	0.00	1975.58	1.60	3.30	0.00	0.00	4.90
48	Godavari Gas Power Plant	171.94	9.06	46.59	0.00	0.00	55.65	0.53	2.71	0.00	0.00	3.24
49	Thermal Powertech Corporation	618.35	97.92	142.68	2.43	16.69	259.73	1.58	2.31	0.04	0.27	4.20
50	Others Total	4825.56	752.13	1519.71	2.43	16.69	2290.96	1.56	3.15	0.01	0.03	4.75
51	Total	20168.78	2403.68	6504.38	2.43	16.69	8927.18	1.19	3.22	0.00	0.01	4.43
52	Short term purchases	1906.73	0.00	762.69	0.00	0.00	762.69	0.00	4.00	0.00	0.00	4.00
53	Purchase from SPDCL	5658.21	0.00	1697.46	0.00	0.00	1697.46	0.00	3.00	0.00	0.00	3.00
54	GRAND TOTAL	27733.72	2403.68	8964.53	2.43	16.69	11387.34	0.87	3.23	0.00	0.01	4.11

ANNEXURE – 08 (C)**FILING: STATION WISE POWER PURCHASE COST FOR FY2022-23 – APCPDCL**

S.No	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)					Unit Cost (Rs./kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
1	Apgenco-Thermal											
2	Dr. NTPS	2107.99	166.58	763.09	0.00	0.00	929.67	0.79	3.62	0.00	0.00	4.41
3	Dr. NTPS-IV	882.25	66.91	292.03	0.00	0.00	358.93	0.76	3.31	0.00	0.00	4.07
4	RTPP Stage-I	699.92	62.81	282.77	0.00	0.00	345.58	0.90	4.04	0.00	0.00	4.94
5	RTPP Stage-II	683.29	61.59	276.05	0.00	0.00	337.64	0.90	4.04	0.00	0.00	4.94
6	RTPP Stage-III	290.48	39.80	117.35	0.00	0.00	157.16	1.37	4.04	0.00	0.00	5.41
7	RTPP Stage-IV	1078.36	175.64	423.80	0.00	0.00	599.44	1.63	3.93	0.00	0.00	5.56
8	Genco-Thermal Total	5742.30	573.34	2155.09	0.00	0.00	2728.42	1.00	3.75	0.00	0.00	4.75
9	APGenco - Hydel											
10	Srisaillam RCPH	196.89	53.05	0.00	0.00	0.00	53.05	2.69	0.00	0.00	0.00	2.69
11	NSRCPH	22.03	6.09	0.00	0.00	0.00	6.09	2.76	0.00	0.00	0.00	2.76
12	NSTPDC PH	21.01	11.69	0.00	0.00	0.00	11.69	5.57	0.00	0.00	0.00	5.57
13	Upper Sileru	111.23	57.06	0.00	0.00	0.00	57.06	5.13	0.00	0.00	0.00	5.13
14	Lower Sileru	255.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Donkarayi	22.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	PABM	1.27	3.16	0.00	0.00	0.00	3.16	24.91	0.00	0.00	0.00	24.91
17	Minihydel(Chettipet)	0.62	0.42	0.00	0.00	0.00	0.42	6.87	0.00	0.00	0.00	6.87
18	APGenco - Hydel Total	630.96	131.48	0.00	0.00	0.00	131.48	2.08	0.00	0.00	0.00	2.08
19	Interstate - Hydel											
20	Machkund AP share	70.65	15.12	0.00	0.00	0.00	15.12	2.14	0.00	0.00	0.00	2.14
21	TB Dam AP Share	26.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Interstate - Hydel Total	97.09	15.12	0.00	0.00	0.00	15.12	1.56	0.00	0.00	0.00	1.56
23	APGENCO-TOTAL	6470.35	719.93	2155.09	0.00	0.00	2875.02	1.11	3.33	0.00	0.00	4.44
24	CG Stations											
25	NTPC(SR) Ramagundam I & II	480.18	32.43	132.01	0.00	0.00	164.43	0.68	2.75	0.00	0.00	3.42
26	NTPC(SR) Simhadri Stage-I	838.90	71.13	263.87	0.00	0.00	335.01	0.85	3.15	0.00	0.00	3.99
27	NTPC(SR) Simhadri Stage-II	363.05	50.79	114.57	0.00	0.00	165.36	1.40	3.16	0.00	0.00	4.55
28	NTPC(SR) Talcher Stage-II	307.20	20.48	55.91	0.00	0.00	76.39	0.67	1.82	0.00	0.00	2.49
29	NTPC(SR) Ramagundam III	129.65	8.64	35.07	0.00	0.00	43.71	0.67	2.70	0.00	0.00	3.37
30	NTPC Kudgi Stage-I	396.51	62.57	144.18	0.00	0.00	206.75	1.58	3.64	0.00	0.00	5.21

S.No	Generating Station	Dispatch (MU)	Cost (Rs. Crs.)					Unit Cost (Rs./kWh)				
			Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
31	NTECL Valluru	153.45	24.92	49.74	0.00	0.00	74.66	1.62	3.24	0.00	0.00	4.87
32	NLC Stage-I	43.54	5.19	11.96	0.00	0.00	17.15	1.19	2.75	0.00	0.00	3.94
33	NLC Stage-II	61.39	9.85	17.00	0.00	0.00	26.85	1.61	2.77	0.00	0.00	4.37
34	NPC(MAPS)	11.05	0.00	3.01	0.00	0.00	3.01	0.00	2.72	0.00	0.00	2.72
35	NPC(KAIGA unit I,II,III,IV)	163.13	0.00	59.89	0.00	0.00	59.89	0.00	3.67	0.00	0.00	3.67
36	NTPL(NLC TamilNadu)	204.23	30.87	64.19	0.00	0.00	95.06	1.51	3.14	0.00	0.00	4.65
37	NLC NNTPS	79.77	15.49	18.30	0.00	0.00	33.80	1.94	2.29	0.00	0.00	4.24
38	CGS Total	3232.05	332.36	969.69	0.00	0.00	1302.06	1.03	3.00	0.00	0.00	4.03
39	JNNSM Thermal (Bundled)											
40	JNNSM Ph-1 Thermal	68.72	11.96	21.37	0.00	0.00	33.33	1.74	3.11	0.00	0.00	4.85
41	JNNSM Thermal (Bundled) - Total	68.72	11.96	21.37	0.00	0.00	33.33	1.74	3.11	0.00	0.00	4.85
42	NCE											
43	NCE- Others	152.62	0.00	96.56	0.00	0.00	96.56	0.00	6.33	0.00	0.00	6.33
44	NCE Solar	39.49	0.00	9.64	0.00	0.00	9.64	0.00	2.44	0.00	0.00	2.44
45	NCE TOTAL	192.11	0.00	106.20	0.00	0.00	106.20	0.00	5.53	0.00	0.00	5.53
46	Others											
47	APPDCL Stage-I	2600.31	415.73	857.32	0.00	0.00	1273.05	1.60	3.30	0.00	0.00	4.90
48	Godavari Gas Power Plant	110.79	5.84	30.03	0.00	0.00	35.86	0.53	2.71	0.00	0.00	3.24
49	Thermal Powertech Corporation	398.46	63.10	91.94	1.57	10.76	167.37	1.58	2.31	0.04	0.27	4.20
50	Others Total	3109.57	484.67	979.29	1.57	10.76	1476.28	1.56	3.15	0.01	0.03	4.75
51	Total	13072.80	1548.92	4231.64	1.57	10.76	5792.89	1.18	3.24	0.00	0.01	4.43
52	Short term purchases	1228.69	0.00	491.48	0.00	0.00	491.48	0.00	4.00	0.00	0.00	4.00
53	Purchase from SPDCL	3043.26	0.00	912.98	0.00	0.00	912.98	0.00	3.00	0.00	0.00	3.00
54	GRAND TOTAL	17344.76	1548.92	5636.09	1.57	10.76	7197.34	0.89	3.25	0.00	0.01	4.15

ANNEXURE – 08 (D)**FILING: STATION WISE POWER PURCHASE COST FOR FY2022-23 – DISCOMS (TOTAL)**

Generating Station	Dispatch (MU)	Cost (Rs. Crs.)					Unit Cost (Rs./kWh)				
		Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
Apogenco-Thermal											
Dr. NTPPS	9031.68	713.69	3269.47	0.00	0.00	3983.16	0.79	3.62	0.00	0.00	4.41
Dr. NTPPS-IV	3780.00	286.66	1251.18	0.00	0.00	1537.84	0.76	3.31	0.00	0.00	4.07
RTPP Stage-I	2998.80	269.13	1211.52	0.00	0.00	1480.65	0.90	4.04	0.00	0.00	4.94
RTPP Stage-II	2927.55	263.90	1182.73	0.00	0.00	1446.63	0.90	4.04	0.00	0.00	4.94
RTPP Stage-III	1244.55	170.54	502.80	0.00	0.00	673.34	1.37	4.04	0.00	0.00	5.41
RTPP Stage-IV	4620.24	752.53	1815.75	0.00	0.00	2568.28	1.63	3.93	0.00	0.00	5.56
Genco-Thermal Total	24602.81	2456.45	9233.44	0.00	0.00	11689.89	1.00	3.75	0.00	0.00	4.75
APGenco - Hydel											
Srisaillam RCPH	843.57	227.31	0.00	0.00	0.00	227.31	2.69	0.00	0.00	0.00	2.69
NSRCPH	94.40	26.09	0.00	0.00	0.00	26.09	2.76	0.00	0.00	0.00	2.76
NSTPDC PH	90.00	50.10	0.00	0.00	0.00	50.10	5.57	0.00	0.00	0.00	5.57
Upper Sileru	476.56	244.49	0.00	0.00	0.00	244.49	5.13	0.00	0.00	0.00	5.13
Lower Sileru	1094.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Donkarayi	96.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PABM	5.43	13.52	0.00	0.00	0.00	13.52	24.91	0.00	0.00	0.00	24.91
Minihydel (Chettipet)	2.65	1.82	0.00	0.00	0.00	1.82	6.87	0.00	0.00	0.00	6.87
APGenco - Hydel Total	2703.36	563.33	0.00	0.00	0.00	563.33	2.08	0.00	0.00	0.00	2.08
Interstate - Hydel											
Machkund AP share	302.69	64.77	0.00	0.00	0.00	64.77	2.14	0.00	0.00	0.00	2.14
TB Dam AP Share	113.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interstate - Hydel Total	415.99	64.77	0.00	0.00	0.00	64.77	1.56	0.00	0.00	0.00	1.56
APGENCO-TOTAL	27722.17	3084.55	9233.44	0.00	0.00	12317.99	1.11	3.33	0.00	0.00	4.44
CG Stations											
NTPC(SR) Ramagundam I & II	2057.31	138.93	565.57	0.00	0.00	704.50	0.68	2.75	0.00	0.00	3.42
NTPC(SR) Simhadri Stage-I	3594.27	304.78	1130.56	0.00	0.00	1435.34	0.85	3.15	0.00	0.00	3.99
NTPC(SR) Simhadri Stage-II	1555.50	217.61	490.89	0.00	0.00	708.50	1.40	3.16	0.00	0.00	4.55
NTPC(SR) Talcher Stage-II	1316.19	87.75	239.53	0.00	0.00	327.27	0.67	1.82	0.00	0.00	2.49
NTPC(SR) Ramagundam III	555.50	37.02	150.25	0.00	0.00	187.26	0.67	2.70	0.00	0.00	3.37
NTPC Kudgi Stage-I	1698.84	268.06	617.74	0.00	0.00	885.80	1.58	3.64	0.00	0.00	5.21
NTECL Valluru	657.46	106.77	213.11	0.00	0.00	319.88	1.62	3.24	0.00	0.00	4.87
NLC Stage-I	186.56	22.23	51.23	0.00	0.00	73.46	1.19	2.75	0.00	0.00	3.94
NLC Stage-II	263.02	42.22	72.83	0.00	0.00	115.06	1.61	2.77	0.00	0.00	4.37
NPC(MAPS)	47.34	0.00	12.88	0.00	0.00	12.88	0.00	2.72	0.00	0.00	2.72
NPC(KAIGA unit I,II,III,IV)	698.93	0.00	256.58	0.00	0.00	256.58	0.00	3.67	0.00	0.00	3.67

Generating Station	Dispatch (MU)	Cost (Rs. Crs.)					Unit Cost (Rs./kWh)				
		Fixed	Variable	Incentive	Others	Total	Fixed	Variable	Incentive	Others	Total
NTPL (NLC TamilNadu)	875.00	132.27	275.02	0.00	0.00	407.30	1.51	3.14	0.00	0.00	4.65
NLC NNTPS	341.76	66.38	78.43	0.00	0.00	144.81	1.94	2.29	0.00	0.00	4.24
CGS Total	13847.68	1424.01	4154.63	0.00	0.00	5578.65	1.03	3.00	0.00	0.00	4.03
JNNSM Thermal (Bundled)											
JNNSM Ph-1 Thermal	294.42	51.23	91.56	0.00	0.00	142.79	1.74	3.11	0.00	0.00	4.85
JNNSM Thermal (Bundled) - Total	294.42	51.23	91.56	0.00	0.00	142.79	1.74	3.11	0.00	0.00	4.85
NCE											
NCE- Others	447.55	0.00	252.73	0.00	0.00	252.73	0.00	5.65	0.00	0.00	5.65
NCE Wind	6748.35	0.00	1639.85	0.00	0.00	1639.85	0.00	2.43	0.00	0.00	2.43
NCE Solar	2420.89	0.00	590.70	0.00	0.00	590.70	0.00	2.44	0.00	0.00	2.44
NCE Solar Parks	381.70	0.00	227.49	0.00	0.00	227.49	0.00	5.96	0.00	0.00	5.96
NTPC - SBG NP KUNTA	568.66	0.00	159.23	0.00	0.00	159.23	0.00	2.80	0.00	0.00	2.80
NTPC Ayana NP Kunta	548.47	0.00	153.57	0.00	0.00	153.57	0.00	2.80	0.00	0.00	2.80
NTPC Spring Agnitra NP Kunta	536.35	0.00	149.64	0.00	0.00	149.64	0.00	2.79	0.00	0.00	2.79
JNNSM Ph-1 Solar	32.74	0.00	35.03	0.00	0.00	35.03	0.00	10.70	0.00	0.00	10.70
JNNSM Ph-2 Solar	2679.03	0.00	1200.21	0.00	0.00	1200.21	0.00	4.48	0.00	0.00	4.48
NCE TOTAL	14363.75	0.00	4408.45	0.00	0.00	4408.45	0.00	3.07	0.00	0.00	3.07
Others											
APPDCL Stage-I	11141.01	1781.19	3673.19	0.00	0.00	5454.38	1.60	3.30	0.00	0.00	4.90
Godavari Gas Power Plant	474.70	25.00	128.64	0.00	0.00	153.64	0.53	2.71	0.00	0.00	3.24
Thermal Powertech Corporation	1707.21	270.36	393.93	6.71	46.09	717.09	1.58	2.31	0.04	0.27	4.20
Others Total	13322.92	2076.55	4195.76	6.71	46.09	6325.11	1.56	3.15	0.01	0.03	4.75
Total	69550.93	6636.34	22083.86	6.71	46.09	28773.00	0.95	3.18	0.00	0.01	4.14
Short term purchases	5264.31	0.00	2105.72	0.00	0.00	2105.72	0.00	4.00	0.00	0.00	4.00
Sale to EPDCL	-5658.21	0.00	-1697.46	0.00	0.00	-1697.46	0.00	3.00	0.00	0.00	3.00
Sale to CPDCL	-3043.26	0.00	-912.98	0.00	0.00	-912.98	0.00	3.00	0.00	0.00	3.00
Purchase from SPDCL	8701.48	0.00	2610.44	0.00	0.00	2610.44	0.00	3.00	0.00	0.00	3.00
GRAND TOTAL	74815.24	6636.34	24189.58	6.71	46.09	30878.72	0.89	3.23	0.00	0.01	4.13

ANNEXURE – 09 (A)**APPROVED: STATION WISE POWER PURCHASE COST FOR FY2022-23 – APSPDCL**

S.No.	Generating Station / Stage	Energy Despatch (MU)	Cost (Rs. Cr.)			Unit Cost (Rs./kWh)		
			Fixed	Variable	Power Purchase	Fixed	Variable	Power Purchase
1	APGenco-Thermal							
2	Dr. NTPPS	3004.87	288.62	1003.63	1292.24	0.96	3.34	4.30
3	Dr. NTPPS-IV	1310.74	115.93	412.88	528.81	0.88	3.15	4.03
4	RTPP Stage -I	733.51	108.84	283.13	391.97	1.48	3.86	5.34
5	RTPP Stage-II	707.55	106.72	273.11	379.83	1.51	3.86	5.37
6	RTPP Stage-III	367.35	68.97	141.80	210.76	1.88	3.86	5.74
7	RTPP Stage-IV	1230.39	304.32	450.32	754.64	2.47	3.66	6.13
8	APGenco-Thermal Total	7354.40	993.39	2564.88	3558.26	1.35	3.49	4.84
9	APGenco – Hydel							
10	Srisaillam Right Bank Power House (AP)	398.05	91.92	0.00	91.92	2.31	0.00	2.31
11	Nagarjunasagar Right Bank Power House (AP)	38.18	10.55	0.00	10.55	2.76	0.00	2.76
12	Nagarjunasagar Tail Pond Dam Power House	36.39	20.26	0.00	20.26	5.57	0.00	5.57
13	Upper Sileru Power House (AP)	192.72	98.87	0.00	98.87	1.47	0.00	1.47
14	Lower Sileru Power House (AP)	442.62						
15	DONKARAYI (AP)	38.92						
16	Penna Ahobilam (AP)	2.20	5.47	0.00	5.47	24.90	0.00	24.90
17	MINI HYDEL(Chettipeta)-AP	1.08	0.74	0.00	0.74	6.84	0.00	6.84
18	APGenco Hydel Total	1150.14	227.81	0.00	227.81	1.98	0.00	1.98
19	Interstate – Hydel							
20	MACHKUND PH AP Share	146.66	26.19	0.00	26.19	1.79	0.00	1.79
21	TUNGBHADRA PH AP Share	50.65		0.00	0.00	0.00	0.00	0.00
22	Interstate - Hydel Total	197.31	26.19	0.00	26.19	1.33	0.00	1.33
23	APGENCO-TOTAL	8701.85	1247.39	2564.88	3812.27	1.43	2.95	4.38
24	CG Stations							
25	NTPC(SR) Ramagundam I & II	757.84	56.18	198.56	254.74	0.74	2.62	3.36
26	NTPC(SR) Simhadri Stage-I	1284.32	123.25	385.30	508.55	0.96	3.00	3.96
27	NTPC(SR) Simhadri Stage-II	568.19	88.00	171.02	259.03	1.55	3.01	4.56

S.No.	Generating Station / Stage	Energy Despatch (MU)	Cost (Rs. Cr.)			Unit Cost (Rs./kWh)		
			Fixed	Variable	Power Purchase	Fixed	Variable	Power Purchase
28	NTPC(SR) Talcher Stage-II	489.99	35.49	84.77	120.25	0.72	1.73	2.45
29	NTPC(SR) Ramagundam III	193.25	16.32	49.86	66.17	0.84	2.58	3.42
30	NLC Stage-I	71.47	8.99	18.72	27.71	1.26	2.62	3.88
31	NLC Stage-II	131.10	17.07	34.61	51.68	1.30	2.64	3.94
32	NPC(MAPS)	19.14	1.06	5.21	6.26	0.55	2.72	3.27
33	NPC - Kaiga unit I,II,III & IV	329.85	1.41	121.05	122.46	0.04	3.67	3.71
34	CGS Stations Total	3845.14	347.77	1069.10	1416.86	0.90	2.78	3.68
35	JNN SM Thermal (Bundled)							
36	JNN SM Ph-I Thermal (Bundled)	128.60	20.72	37.04	57.75	1.61	2.88	4.49
37	JNN SM Thermal (Bundled) - Total	128.60	20.72	37.04	57.75	1.61	2.88	4.49
38	NCE							
39	NCE – Others	148.67	0.00	84.00	84.00	0.00	5.65	5.65
40	NCE - Wind Power	7415.05	0.00	3485.07	3485.07	0.00	4.70	4.70
41	NCE - Solar (other than JNN SM)	4324.33	0.00	1945.95	1945.95	0.00	4.50	4.50
42	JNN SM Ph-1 solar	66.54	0.00	71.20	71.20	0.00	10.70	10.70
43	JNN SM Ph-2 Solar	2734.74	0.00	1230.63	1230.63	0.00	4.50	4.50
44	NCE TOTAL	14689.33	0.00	6816.85	6816.85	0.00	4.64	4.64
45	Others							
46	APPDCL Stage-I	4504.70	720.31	1414.48	2134.79	1.60	3.14	4.74
48	Godavari Gas Power Ltd. (GGPL)	192.37	10.11	47.77	57.88	0.53	2.48	3.01
47	Thermal Powertech Corporation	649.07	109.33	145.85	255.18	1.68	2.25	3.93
49	Hinduja National Power Limited (HNPL)	2928.26	310.40	808.20	1118.60	1.06	2.76	3.82
50	Others Total	8274.40	1150.15	2416.29	3566.44	1.39	2.92	4.31
51	Total Despatch	35639.32	2766.03	12904.15	15670.18	0.78	3.62	3.52
52	EPDCL purchases from SPDCL	0	0.00	0.00	0.00	0.00	0.00	0.00
53	CPDCL purchases from SPDCL	0	0	0.00	0.00	0.00	0.00	0.00
54	SPDCL Sales to (EP+CP)	-6771	0	-2979.18	-2979.18	0.00	4.40	4.40
55	Market purchases		0	0.00	0.00	0.00	0.00	0.00
56	DISCOMs' total Despatch	28868.47	2766.03	9924.97	12691.00	0.96	3.44	4.40

ANNEXURE – 09(B)
APPROVED: STATION WISE POWER PURCHASE COST FOR FY2022-23 – APEPDCL

S. No.	Generating Station / Stage	Energy Despatch (MU)	Cost (Rs. Cr.)			Unit Cost (Rs./kWh)		
			Fixed	Variable	Power Purchase	Fixed	Variable	Power Purchase
1	APGenco-Thermal							
2	Dr. NTPPS	2918.41	258.50	974.75	1233.25	0.89	3.34	4.23
3	Dr. NTPPS-IV	1173.96	103.83	369.80	473.63	0.88	3.15	4.03
4	RTPP Stage -I	972.80	97.48	375.50	472.98	1.00	3.86	4.86
5	RTPP Stage-II	972.80	95.58	375.50	471.09	0.98	3.86	4.84
6	RTPP Stage-III	486.40	61.77	187.75	249.52	1.27	3.86	5.13
7	RTPP Stage-IV	1496.80	272.57	547.83	820.40	1.82	3.66	5.48
8	APGenco-Thermal Total	8021.18	889.73	2831.13	3720.86	1.11	3.53	4.64
9	APGenco – Hydel							
10	Srisailem Right Bank Power House (AP)	356.52	82.33	0.00	82.33	2.31	0.00	2.31
11	Nagarjunasagar Right Bank Power House (AP)	34.19	9.45	0.00	9.45	2.76	0.00	2.76
12	Nagarjunasagar Tail Pond Dam Power House	32.59	18.15	0.00	18.15	5.57	0.00	5.57
13	Upper Sileru Power House (AP)	172.61	88.55	0.00	88.55	1.47	0.00	1.47
14	Lower Sileru Power House (AP)	396.43						
15	DONKARAYI (AP)	34.85						
16	Penna Ahobilam (AP)	1.97	4.90	0.00	4.90	24.90	0.00	24.90
17	MINI HYDEL(Chettipeta)-AP	0.96	0.66	0.00	0.66	6.84	0.00	6.84
18	APGenco Hydel Total	1030.12	204.04	0.00	204.04	1.98	0.00	1.98
19	Interstate – Hydel							
20	MACHKUND PH AP Share	131.36	23.46	0.00	23.46	1.79	0.00	1.79
21	TUNGBHADRA PH AP Share	45.36		0.00	0.00	0.00	0.00	0.00
22	Interstate - Hydel Total	176.72	23.46	0.00	23.46	1.33	0.00	1.33
23	APGENCO-TOTAL	9228.02	1117.22	2831.13	3948.35	1.21	3.07	4.28
24	CG Stations							
25	NTPC(SR) Ramagundam I & II	678.76	50.32	177.84	228.16	0.74	2.62	3.36
26	NTPC(SR) Simhadri Stage-I	1150.30	110.39	345.09	455.48	0.96	3.00	3.96
27	NTPC(SR) Simhadri Stage-II	508.89	78.82	153.18	232.00	1.55	3.01	4.56

S. No.	Generating Station / Stage	Energy Despatch (MU)	Cost (Rs. Cr.)			Unit Cost (Rs./kWh)		
			Fixed	Variable	Power Purchase	Fixed	Variable	Power Purchase
28	NTPC(SR) Talcher Stage-II	438.86	31.78	75.92	107.71	0.72	1.73	2.45
29	NTPC(SR) Ramagundam III	173.08	14.61	44.65	59.27	0.84	2.58	3.42
30	NLC Stage-I	64.01	8.05	16.77	24.82	1.26	2.62	3.88
31	NLC Stage-II	117.42	15.29	31.00	46.29	1.30	2.64	3.94
32	NPC(MAPS)	17.15	0.95	4.66	5.61	0.55	2.72	3.27
33	NPC - Kaiga unit I,II,III&IV	295.43	1.26	108.42	109.68	0.04	3.67	3.71
34	CGS Stations Total	3443.89	311.48	957.53	1269.01	0.90	2.78	3.68
35	JNN SM Thermal (Bundled)							
36	JNN SM Ph-I Thermal (Bundled)	115.18	18.56	33.17	51.73	1.61	2.88	4.49
37	JNN SM Thermal (Bundled) - Total	115.18	18.56	33.17	51.73	1.61	2.88	4.49
38	NCE							
39	NCE – Others	183.38	0.00	103.61	103.61	0.00	5.65	5.65
40	NCE - Wind Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	NCE - Solar (other than JNN SM)	14.14	0.00	6.36	6.36	0.00	4.50	4.50
42	JNN SM Ph-1 solar	0	0.00	0.00	0.00	0.00	0.00	0.00
43	JNN SM Ph-2 Solar	0	0.00	0.00	0.00	0.00	0.00	0.00
44	NCE TOTAL	197.52	0.00	109.97	109.97	0.00	5.57	5.43
45	Others							
46	APPDCL Stage-I	4034.62	645.15	1266.87	1912.02	1.60	3.14	4.74
48	Godavari Gas Power Ltd. (GGPL)	172.30	9.06	42.78	51.84	0.53	2.48	3.01
47	Thermal Powertech Corporation	581.33	97.92	130.63	228.55	1.68	2.25	3.93
49	Hinduja National Power Limited (HNPL)	2622.69	278.01	723.86	1001.87	1.06	2.76	3.82
50	Others Total	7410.95	1030.13	2164.14	3194.27	1.39	2.92	4.31
51	Total Despatch	20395.56	2477.39	6095.95	8573.34	1.21	2.99	4.20
52	EPDCL purchases from SPDCL	4268.46	0.00	1878.12	1878.12	0.00	4.40	4.40
53	CPDCL purchases from SPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	SPDCL Sales to (EP+CP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	Market purchases	2306.81	0.00	991.93	991.93	0.00	4.30	4.30
56	DISCOMs' total Despatch	26970.83	2477.39	8966.00	11443.39	0.92	3.32	4.24

ANNEXURE – 09 (C)**APPROVED: STATION WISE POWER PURCHASE COST FOR FY2022-23 – APCPDCL**

S. No.	Generating Station / Stage	Energy Despatch (MU)	Cost (Rs. Cr.)			Unit Cost (Rs./kWh)		
			Fixed	Variable	Power Purchase	Fixed	Variable	Power Purchase
1	APGenco-Thermal							
2	Dr. NTPPS	1880.61	166.58	628.12	794.70	0.89	3.34	4.23
3	Dr. NTPPS-IV	756.50	66.91	238.30	305.20	0.88	3.15	4.03
4	RTPP Stage -I	626.87	62.81	241.97	304.79	1.00	3.86	4.86
5	RTPP Stage-II	626.87	61.59	241.97	303.57	0.98	3.86	4.84
6	RTPP Stage-III	313.43	39.80	120.99	160.79	1.27	3.86	5.13
7	RTPP Stage-IV	964.53	175.64	353.02	528.66	1.82	3.66	5.48
8	APGenco-Thermal Total	5168.81	573.34	1824.37	2397.70	1.11	3.53	4.64
9	APGenco – Hydel							
10	Srisaillam Right Bank Power House (AP)	229.74	53.05	0.00	53.05	2.31	0.00	2.31
11	Nagarjunasagar Right Bank Power House (AP)	22.03	6.09	0.00	6.09	2.76	0.00	2.76
12	Nagarjunasagar Tail Pond Dam Power House	21.00	11.69	0.00	11.69	5.57	0.00	5.57
13	Upper Sileru Power House (AP)	111.23	57.06	0.00	57.06	1.47	0.00	1.47
14	Lower Sileru Power House (AP)	255.46						
15	DONKARAYI (AP)	22.46						
16	Penna Ahobilam (AP)	1.27	3.16	0.00	3.16	24.90	0.00	24.90
17	MINI HYDEL (Chettipeta)-AP	0.62	0.42	0.00	0.42	6.84	0.00	6.84
18	APGenco Hydel Total	663.81	131.48	0.00	131.48	1.98	0.00	1.98
19	Interstate – Hydel							
20	MACHKUND PH AP Share	84.65	15.12	0.00	15.12	1.79	0.00	1.79
21	TUNGBHADRA PH AP Share	29.23		0.00	0.00	0.00	0.00	0.00
22	Interstate - Hydel Total	113.88	15.12	0.00	15.12	1.33	0.00	1.33
23	APGENCO-TOTAL	5946.49	719.93	1824.37	2544.30	1.21	3.07	4.28

S. No.	Generating Station / Stage	Energy Despatch (MU)	Cost (Rs. Cr.)			Unit Cost (Rs./kWh)		
			Fixed	Variable	Power Purchase	Fixed	Variable	Power Purchase
24	CG Stations							
25	NTPC(SR) Ramagundam I & II	437.39	32.43	114.60	147.02	0.74	2.62	3.36
26	NTPC(SR) Simhadri Stage-I	741.25	71.14	222.37	293.51	0.96	3.00	3.96
27	NTPC(SR) Simhadri Stage-II	327.93	50.79	98.71	149.50	1.55	3.01	4.56
28	NTPC(SR) Talcher Stage-II	282.80	20.48	48.92	69.40	0.72	1.73	2.45
29	NTPC(SR) Ramagundam III	111.53	9.42	28.78	38.19	0.84	2.58	3.42
30	NLC Stage-I	41.25	5.19	10.81	16.00	1.26	2.62	3.88
31	NLC Stage-II	75.66	9.85	19.98	29.83	1.30	2.64	3.94
32	NPC(MAPS)	11.05	0.61	3.01	3.61	0.55	2.72	3.27
33	NPC - Kaiga unit I,II,III&IV	190.37	0.81	69.87	70.68	0.04	3.67	3.71
34	CGS Stations Total	2219.23	200.71	617.03	817.74	0.90	2.78	3.68
35	JNN SM Thermal (Bundled)							
36	JNN SM Ph-I Thermal (Bundled)	74.22	11.96	21.38	33.33	1.61	2.88	4.49
37	JNN SM Thermal (Bundled) - Total	74.22	11.96	21.38	33.33	1.61	2.88	4.49
38	NCE							
39	NCE – Others	163.90	0.00	92.60	92.60	0.00	5.65	5.65
40	NCE - Wind Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	NCE - Solar (other than JNN SM)	39.49	0.00	17.77	17.77	0.00	4.50	4.50
42	JNN SM Ph-1 solar	0	0.00	0.00	0.00	0.00	0.00	0.00
43	JNN SM Ph-2 Solar	0	0.00	0.00	0.00	0.00	0.00	0.00
44	NCE TOTAL	203.39	0.00	110.37	110.37	0.00	5.43	5.43
45	Others							
46	APPDCL Stage-I	2599.89	415.73	816.37	1232.10	1.60	3.14	4.74
48	Godavari Gas Power Ltd. (GGPL)	111.03	5.84	27.57	33.40	0.53	2.48	3.01
47	Thermal Powertech Corporation	374.61	63.10	84.17	147.28	1.68	2.25	3.93
49	Hinduja National Power Limited (HNPL)	1690.05	179.15	466.45	645.60	1.06	2.76	3.82
50	Others Total	4775.58	663.81	1394.56	2058.38	1.39	2.92	4.31

S. No.	Generating Station / Stage	Energy Despatch (MU)	Cost (Rs. Cr.)			Unit Cost (Rs./kWh)		
			Fixed	Variable	Power Purchase	Fixed	Variable	Power Purchase
51	Total Despatch	13218.91	1596.42	3967.71	5564.13	1.21	3.00	4.21
52	EPDCL purchases from SPDCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	CPDCL purchases from SPDCL	2502.39	0.00	1101.05	1101.05	0.00	4.40	4.40
54	SPDCL Sales to (EP+CP)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	Market purchases	1368.27	0.00	588.36	588.36	0.00	4.30	4.30
56	DISCOMs' total Despatch	17089.58	1596.42	5657.12	7253.54	0.93	3.31	4.24

ANNEXURE – 09 (D)

APPROVED: STATION WISE POWER PURCHASE COST FOR FY2022-23 – DISCOMS (TOTAL)

S. No.	Generating Station / Stage	Energy Despatch (MU)	Cost (Rs. Cr.)			Unit Cost (Rs./kWh)		
			Fixed	Variable	Power Purchase	Fixed	Variable	Power Purchase
1	APGenco-Thermal							
2	Dr. NTPPS	7804	713.69	2606.50	3320.19	0.91	3.34	4.25
3	Dr. NTPPS-IV	3241	286.66	1020.98	1307.64	0.88	3.15	4.03
4	RTPP Stage -I	2333	269.13	900.61	1169.74	1.15	3.86	5.01
5	RTPP Stage-II	2307	263.90	890.59	1154.49	1.14	3.86	5.00
6	RTPP Stage-III	1167	170.54	450.53	621.07	1.46	3.86	5.32
7	RTPP Stage-IV	3692	752.53	1351.17	2103.70	2.04	3.66	5.70
8	APGenco-Thermal Total	20544.39	2456.45	7220.37	9676.82	1.20	3.51	4.71
9	APGenco – Hydel							
10	Srisaillam Right Bank Power House (AP)	984	227.31	0.00	227.31	2.31	0.00	2.31
11	Nagarjunasagar Right Bank Power House (AP)	94	26.09	0.00	26.09	2.76	0.00	2.76
12	Nagarjunasagar Tail Pond Dam Power House	90	50.10	0.00	50.10	5.57	0.00	5.57
13	Upper Sileru Power House (AP)	477	244.49	0.00	244.49	1.47	0.00	1.47
14	Lower Sileru Power House (AP)	1095						
15	DONKARAYI (AP)	96						
16	Penna Ahobilam (AP)	5	13.52	0.00	13.52	24.90	0.00	24.90
17	MINI HYDEL(Chettipeta)-AP	3	1.82	0.00	1.82	6.84	0.00	6.84
18	APGenco Hydel Total	2844.07	563.33	0.00	563.33	1.98	0.00	1.98
19	Interstate – Hydel							
20	MACHKUND PH AP Share	363	64.77	0.00	64.77	1.79	0.00	1.79
21	TUNGBHADRA PH AP Share	125		0.00	0.00	0.00	0.00	0.00
22	Interstate - Hydel Total	487.91	64.77	0.00	64.77	1.33	0.00	1.33
23	APGENCO-TOTAL	23876.37	3084.55	7220.37	10304.92	1.29	3.02	4.32
24	CG Stations							
25	NTPC(SR) Ramagundam I & II	1874	138.93	490.99	629.92	0.74	2.62	3.36
26	NTPC(SR) Simhadri Stage-I	3176	304.78	952.76	1257.54	0.96	3.00	3.96
27	NTPC(SR) Simhadri Stage-II	1405	217.61	422.91	640.52	1.55	3.01	4.56

S. No.	Generating Station / Stage	Energy Despatch (MU)	Cost (Rs. Cr.)			Unit Cost (Rs./kWh)		
			Fixed	Variable	Power Purchase	Fixed	Variable	Power Purchase
28	NTPC(SR) Talcher Stage-II	1212	87.75	209.61	297.36	0.72	1.73	2.45
29	NTPC(SR) Ramagundam III	478	40.35	123.29	163.64	0.84	2.58	3.42
30	NLC Stage-I	177	22.23	46.30	68.53	1.26	2.62	3.88
31	NLC Stage-II	324	42.22	85.58	127.80	1.30	2.64	3.94
32	NPC(MAPS)	47	2.61	12.88	15.49	0.55	2.72	3.27
33	NPC - Kaiga unit I,II,III&IV	816	3.48	299.34	302.82	0.04	3.67	3.71
34	CGS Stations Total	9508.26	859.96	2643.66	3503.62	0.90	2.78	3.68
35	JNNSM Thermal (Bundled)							
36	JNNSM Ph-I Thermal (Bundled)	318	51.23	91.58	142.81	1.61	2.88	4.49
37	JNNSM Thermal (Bundled) - Total	318.00	51.23	91.58	142.81	1.61	2.88	4.49
38	NCE							
39	NCE – Others	496	0	280.21	280.21	0.00	5.65	5.65
40	NCE - Wind Power	7415	0	3485.07	3485.07	0.00	4.70	4.70
41	NCE - Solar (other than JNNSM)	4378	0	1970.08	1970.08	0.00	4.50	4.50
42	JNNSM Ph-1 solar	67	0	71.20	71.20	0.00	10.70	10.70
43	JNNSM Ph-2 Solar	2735	0	1230.63	1230.63	0.00	4.50	4.50
44	NCE TOTAL	15090.24	0.00	7037.20	7037.20	0.00	4.66	4.66
45	Others							
46	APPDCL Stage-I	11139	1781.19	3497.71	5278.90	1.60	3.14	4.74
48	Godavari Gas Power Ltd. (GGPL)	476	25	118.12	143.12	0.53	2.48	3.01
47	Thermal Powertech Corporation	1605	270	360.65	631.01	1.68	2.25	3.93
49	Hinduja National Power Limited (HNPL)	7241	767.55	1998.52	2766.06	1.06	2.76	3.82
50	Others Total	20460.93	2844.10	5974.99	8819.09	1.39	2.92	4.31
51	Total Despatch	69253.80	6839.84	22967.81	29807.64	0.99	3.32	4.30
52	EPDCL purchases from SPDCL	4268.46	0	1878.12	1878.12	0.00	4.40	4.40
53	CPDCL purchases from SPDCL	2502.39	0	1101.05	1101.05	0.00	4.40	4.40
54	SPDCL Sales to (EP+CP)	-6770.86	0	-2979.18	-2979.18	0.00	4.40	4.40
55	Market purchases	3675.08	0	1580.28	1580.28	0.00	4.30	4.30
56	DISCOMs' total Despatch	72928.88	6839.84	24548.09	31387.93	0.94	3.37	4.31

ANNEXURE – 10 (A)**FILING: CATEGORY WISE SALES & REVENUE AT PROPOSED TARIFF FOR
THE FY2022-23 - APSPDCL**

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crs)	Non-tariff Income (Rs Crs)	Total Revenue (Net of incentives) (Rs. Crs)
LT Total - (Existing Categories)	17042.88	10311.90	534.64	10846.54
LT Cat-I (A): Domestic (Telescopic)	5748.45	2501.65	345.72	2847.37
From April'22 to July'22 (Existing Tariffs) (01-04-2022 to 31-07-2022)	2136.29	803.21	86.43	889.64
Group A: Consumption < = 75 Units during the billing month	446.43	116.94	17.63	134.57
0-50	403.24	90.32	16.06	106.38
51-75	43.19	26.62	1.57	28.19
Group B: Consumption < 225 and >75 units during the billing month	1192.51	383.73	48.18	431.91
0-50	463.86	120.60	19.34	139.95
51-100	423.56	124.19	17.37	141.56
101-200	294.64	130.00	11.15	141.15
201-225	10.45	8.93	0.32	9.25
Group C: Consumption >225 units during the billing month	497.35	302.54	20.61	323.16
0-50	64.97	17.22	2.84	20.06
51-100	64.97	21.77	2.84	24.61
101-200	129.95	70.17	5.69	75.86
201-300	110.23	80.50	4.57	85.07
301-400	55.16	44.70	2.01	46.71
401-500	28.42	24.42	0.97	25.39
Above 500 units	43.65	43.76	1.69	45.46
From August'22 to March'23 (Proposed Tariffs) (From 01-08-2022 to 31-03-2023)	3612.16	1698.44	259.29	1957.73
Group A: Consumption < = 75 Units during the billing month	726.37	255.02	40.93	295.95
0-30	350.83	85.90	14.20	100.11
31-75	375.55	169.11	26.72	195.84
Group B: Consumption >75 units during the billing month	2885.79	1443.42	218.36	1661.79
0-100	1771.47	736.72	111.59	848.30
101-200	709.17	402.45	61.33	463.79
201-300	208.37	153.77	22.92	176.69
Above 300 units	196.77	150.48	22.52	173.00
LT Cat-II : Commercial & Others	964.27	981.32	57.99	1039.31
(A): Commercial	964.01	981.14	57.98	1039.12
(i): Commercial	952.22	966.07	57.27	1023.34
0-50	189.77	158.44	11.41	169.86
51-100	93.55	88.80	5.63	94.42
101-300	166.19	171.39	9.99	181.39

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crs)	Non-tariff Income (Rs Crs)	Total Revenue (Net of incentives) (Rs. Crs)
301-500	83.02	87.46	4.99	92.45
Above 500	419.70	459.98	25.24	485.23
(iii) Advertising Hoardings	2.18	3.20	0.13	3.33
(iv) Function Halls/Auditoriums	9.61	11.87	0.58	12.45
(B): Start up power	0.00	0.00	0.00	0.00
(C) : Electric Vehicles (EVs) / Charging stations	0.26	0.18	0.02	0.19
(D) : Green Power	0.00	0.00	0.00	0.00
LT Cat-III : Industry	599.34	523.62	36.04	559.66
(A): Industry (General)	499.87	431.52	30.06	461.58
Rice Mills & Pulverising Mills (101 HP to 150 HP)	53.45	71.90	3.21	75.11
(B): Seasonal Industries (off season)	0.80	0.67	0.05	0.72
(D): Cottage Industries upto 10HP	45.12	19.47	2.71	22.19
Dhobigatts	0.10	0.06	0.00	0.06
LT Cat-IV : Institutional	782.93	598.45	47.09	645.54
(A): Utilities	681.21	513.60	40.97	554.57
Panchayats	544.43	410.63	32.74	443.37
NTR Sujala Pathakam	6.21	4.63	0.37	5.00
Urban Local Bodies	130.57	98.35	7.85	106.20
(B): General Purpose	92.99	79.18	5.59	84.77
(C): Religious Places	8.73	5.67	0.53	6.19
LT Cat-V : Agricultural & Related	8947.89	5706.87	47.79	5754.66
(A): Agriculture	8157.41	5389.67	0.25	5389.93
(i) Corporate Farmers & IT Assesses	3.66	2.38	0.22	2.60
(ii) Non-Corporate Farmers	8152.55	5386.71	0.00	5386.71
(iii) Salt farming units with Connected Load upto 15HP	0.50	0.14	0.03	0.17
(iv) Sugarcane crushing	0.01	0.01	0.00	0.01
(v) Rural Horticulture Nurseries	0.62	0.41	0.00	0.41
(vi) Floriculture in Green House	0.06	0.03	0.00	0.03
(B): Aquaculture and Animal Husbandry	788.47	317.11	47.42	364.53
(D): Agro Based Cottage Industries upto 10HP	0.15	0.07	0.01	0.08
(E): Government/Private Lift Irrigation Schemes	1.86	0.01	0.11	0.12
Temporary	0.00	0.00	0.00	0.00
HT Category	9292.54	6825.20	558.87	7384.07
HT Cat-(A): Domestic	19.23	14.31	1.16	15.47
(B): Townships, Colonies, Gated Communities and Villas	19.23	14.31	1.16	15.47
11 kV	14.36	10.77	0.86	11.63
33 kV	4.87	3.55	0.29	3.84
132 kV & Above	0.00	0.00	0.00	0.00
HT Cat-II : Commercial & Others	370.73	412.31	22.30	434.61
(ii) Major	251.62	291.88	15.13	307.01
11 kV	214.69	248.58	12.91	261.49

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crs)	Non-tariff Income (Rs Crs)	Total Revenue (Net of incentives) (Rs. Crs)
33 kV	13.44	20.15	0.81	20.96
132 kV & Above	23.49	23.15	1.41	24.56
Commercial, ToD	70.66	59.80	4.25	64.05
11 kV	55.49	48.00	3.34	51.34
33 kV	5.01	3.98	0.30	4.29
132 kV & Above	10.15	7.82	0.61	8.43
(iv) Function Halls/Auditoriums	3.04	3.82	0.18	4.01
11 kV	3.04	3.82	0.18	4.01
33 kV	0.00	0.00	0.00	0.00
132 kV & Above	0.00	0.00	0.00	0.00
(B): Start up power	44.82	56.08	2.70	58.77
11 kV	0.25	0.32	0.02	0.33
33 kV	36.60	45.93	2.20	48.13
132 kV & Above	7.97	9.83	0.48	10.31
(C): Electric Vehicles (Evs) / Charging stations	0.00	0.00	0.00	0.00
11 kV	0.00	0.00	0.00	0.00
33 kV	0.00	0.00	0.00	0.00
132 kV & Above	0.00	0.00	0.00	0.00
(D): Green Power	0.59	0.73	0.04	0.77
11 kV	0.18	0.22	0.01	0.23
33 kV	0.41	0.51	0.02	0.53
132 kV & Above	0.00	0.00	0.00	0.00
HT Cat-III : Industry	5827.65	4143.28	350.48	4493.76
(A): Industrial General	1358.36	1635.97	81.69	1717.66
11 kV	386.72	488.09	23.26	511.35
33 kV	474.32	583.25	28.53	611.78
132 kV & Above	497.32	564.63	29.91	594.54
Industry, ToD Peak (6 AM to 10 AM & 6 PM to 10 PM)	1840.61	1237.78	110.70	1348.48
11 kV	310.95	227.00	18.70	245.70
33 kV	706.82	484.17	42.51	526.68
132 kV & Above	822.83	526.61	49.49	576.10
Industry, ToD Off Peak (10 PM to 6 AM)	1993.64	938.92	119.90	1058.82
11 kV	297.65	157.76	17.90	175.66
33 kV	776.18	376.45	46.68	423.13
132 kV & Above	919.81	404.71	55.32	460.03
Industrial colonies	10.25	7.17	0.62	7.79
11 kV	0.07	0.05	0.00	0.06
33 kV	1.01	0.71	0.06	0.77
132 kV & Above	9.16	6.41	0.55	6.97
(B): Seasonal Industries	6.40	8.71	0.39	9.10
11 kV	6.19	8.09	0.37	8.46
33 kV	0.21	0.62	0.01	0.64

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crs)	Non-tariff Income (Rs Crs)	Total Revenue (Net of incentives) (Rs. Crs)
132 kV & Above	0.00	0.00	0.00	0.00
(C): Energy Intensive Industries	618.38	314.72	37.19	351.91
11 kV	1.64	0.96	0.10	1.06
33 kV	210.94	112.88	12.69	125.57
132 kV & Above	405.79	200.88	24.41	225.29
HT Cat-IV : Institutional	759.25	605.48	45.66	651.14
(A): Utilities	113.33	103.64	6.82	110.46
Composite Protected Water Supply Schemes	113.33	103.64	6.82	110.46
11 kV	38.57	39.79	2.32	42.11
33 kV	74.77	63.85	4.50	68.35
132 kV & Above	0.00	0.00	0.00	0.00
(B): General Purpose	46.05	53.19	2.77	55.96
11 kV	42.54	49.48	2.56	52.04
33 kV	3.51	3.71	0.21	3.92
132 kV & Above	0.00	0.00	0.00	0.00
(C): Religious Places	24.43	12.58	1.47	14.05
11 kV	4.30	2.27	0.26	2.52
33 kV	20.13	10.32	1.21	11.53
132 kV & Above	0.00	0.00	0.00	0.00
(D) Railway Traction	575.43	436.06	34.61	470.67
HT Cat-V : Agricultural & Related	2315.69	1649.82	139.27	1789.09
(B): Aquaculture and Animal Husbandry	20.56	8.37	1.24	9.60
11 kV	20.56	8.37	1.24	9.60
33 kV	0.00	0.00	0.00	0.00
132 kV & Above	0.00	0.00	0.00	0.00
(E): Government / Private Lift Irrigation	2295.13	1641.46	138.03	1779.49
11 kV	11.11	8.14	0.67	8.81
33 kV	119.93	85.89	7.21	93.10
132 kV & Above	2164.10	1547.42	130.15	1677.58
RESCO Kuppam	0.00	0.00	0.00	0.00
TOTAL(LT + HT)	26335.41	17137.11	1093.50	18230.61

ANNEXURE – 10 (B)**FILING: CATEGORY WISE SALES & REVENUE AT PROPOSED TARIFF FOR
THE FY2022-23 - APEPDCL**

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crores)	Non - tariff Income (Rs crores)	Total Revenue (Net of incentives) (Rs.Crs)
LT Category	7536.31	3928.72	52.83	3981.55
Domestic	2898.39	1571.88	17.61	1589.49
From 01-04-2022 to 31-07-2022				
Group A : Consumption ≤ 75 Units during the billing month	372.12	193.87	6.20	200.07
0-50	303.89	149.69	3.78	153.47
51-75	68.23	44.18	2.42	46.59
Group B: Consumption > 75 and ≤ 225 units during the billing month	1376.19	633.61	9.60	643.21
0-50	493.34	203.79	0.08	203.87
51-100	456.27	203.08	2.46	205.55
101-200	398.33	197.53	5.67	203.20
201-225	28.24	29.20	1.39	30.59
Group C: Consumption > 225 units during the billing month	1150.08	744.40	1.81	746.21
0-50	152.13	62.84	0.01	62.86
51-100	149.62	61.81	0.02	61.83
101-200	291.64	157.49	0.10	157.59
201-300	239.66	176.30	0.75	177.05
301-400	128.59	104.84	0.35	105.19
401-500	74.51	64.85	0.20	65.05
Above 500 units	113.93	116.28	0.37	116.65
From 01-08-2022 to 31-03-2023:				
Group A : Consumption ≤ 75 Units during the billing month	1263.38	604.52	12.40	616.92
0-30	787.76	358.38	7.57	365.94
31-75	475.62	246.15	4.83	250.98
Group B: Consumption > 75 units during the billing month	3374.54	1752.32	22.82	1775.14
0-100	1981.38	847.69	5.14	852.84
101-200	961.47	546.69	11.55	558.25
201-300	232.88	194.74	4.28	199.02
above 300	198.80	163.19	1.85	165.04
II(A): Commercial -LT	1266.59	1268.63	32.26	1300.89
II (A) (i): Commercial	1253.59	1252.08	31.98	1284.06
0-50	249.83	204.34	9.30	213.64
51-100	128.54	116.58	4.96	121.54
101-300	238.47	240.82	7.52	248.34
301-500	119.74	124.38	2.31	126.69
Above 500	517.00	565.95	7.89	573.84
II (A) (iii) Advertising Hoardings -LT	1.05	1.70	0.10	1.79
II (A) (iv) Function halls / Auditoria -LT	11.56	14.40	0.19	14.58

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crores)	Non - tariff Income (Rs crores)	Total Revenue (Net of incentives) (Rs.Crs)
II (B) : Startup power -LT	0.30	0.38	0.00	0.38
II (C) : Electric Vehicles / Charging Stations -LT	0.10	0.08	0.00	0.08
II (D) : Green Power -LT	0.00	0.00		0.00
III: Industry -LT	512.60	387.53	14.73	402.26
III (A):Industries (General) -LT	509.03	385.75	14.70	400.45
III (B): Seasonal Industries (off season) -LT	0.64	0.50	0.00	0.50
III(D):Cottage Industries upto 10HP -LT	2.93	1.28	0.03	1.31
IV: INSTITUTIONAL -LT	424.31	319.06	124.46	443.52
IV (A) : Utilites (Street Lighting, NTR Sujala Pathakam, CPWS and PWS) -LT	322.62	239.64	112.81	352.45
IV (B) : General Purpose -LT	86.01	70.20	10.44	80.64
IV (C) : Religious Places -LT	15.67	9.22	1.21	10.42
V: Agriculture & Related -LT	4909.22	2762.77	4.87	2767.64
V (A) : Agriculture -LT	2791.89	1909.85	0.04	1909.89
V (A) (i) Corporate farmers with DSM	8.86	9.65	0.00	9.65
Corporate farmers without DSM	1.01	1.66	0.00	1.66
V (A) (ii) Non-Corporate farmers with DSM	2750.25	1876.81	0.03	1876.84
Non-Corporate farmers without DSM	15.93	11.07	0.00	11.07
V (A) (iii) Salt farming units upto 15 HP*	0.37	0.10	0.00	0.10
V (A) (iv) Sugarcane crushing	0.72	0.49	0.00	0.49
V (A) (v) Rural Horticulture Nurseries	14.70	10.05	0.00	10.05
V (A) (vi) Floriculture in Green House	0.05	0.03	0.01	0.03
Agri others	2117.33	852.91	4.84	857.75
V (B) : Aquaculture and Animal Husbandry -LT	2116.92	852.74	4.83	857.58
V (D) : Agro Based Cottage Industries upto 10 HP -LT	0.40	0.17	0.00	0.17
Total LT	14649.03	8666.72	229.15	8895.87
High Tension				
Category at 11 kv -HT	2312.45	2140.35	20.50	2160.86
I B : Townships, Colonies, Gated Communities and Villas -HT	27.16	20.07	0.03	20.10
II: COMMERCIAL & OTHERS -HT	533.49	609.69	3.97	613.66
II (A): Commercial (ii) Major -HT	402.23	492.67	3.86	496.53
Time of Day tariff (TOD)- Peak	122.42	105.89	0.00	105.89
(iv): Function halls / Auditoria --HT	8.77	11.03	0.05	11.08
II (B) : Startup power -HT	0.07	0.09	0.06	0.15
II (C) : Electric Vehicles / Charging Stations -HT	0.00	0.00	0.00	0.00
II (D) : Green Power -HT	0.00	0.00	0.00	0.00
III INDUSTRY -HT	1550.52	1330.92	4.11	1335.02
III (A) : Industry (General) -HT	576.79	701.09	3.74	704.83
Time of Day tariff (TOD)- Peak	502.71	366.98	0.00	366.98
Time of Day tariff (TOD) - Off Peak	450.67	238.86	0.00	238.86
Industrial Colonies	5.42	3.80	0.00	3.80

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crores)	Non - tariff Income (Rs crores)	Total Revenue (Net of incentives) (Rs.Crs)
III (B) : Seasonal Industries (off- season) - HT	14.92	20.20	0.36	20.56
III (C) : Energy Intensive Industries -HT	0.00	0.00	0.00	0.00
IV INSTITUTIONAL -HT	155.19	155.20	6.80	162.00
IV (A) : Utilites (Street Lighting, NTR Sujala Pathakam, CPWS and PWS) -HT	121.11	115.53	5.51	121.04
IV (B) : General Purpose -HT	28.29	36.64	1.28	37.92
IV (C) : Religious Places -HT	5.80	3.03	0.00	3.03
IV (D) : Railway Traction -HT	0.00	0.00	0.00	0.00
V AGRICULTURE AND RELATED -HT	46.09	24.48	5.61	30.08
V (B) : Aquaculture and Animal Husbandry -HT	27.88	11.26	0.01	11.27
V (E) : Government / Private Lift Irrigation Schemes -HT	18.20	13.22	5.59	18.81
Category at 33 kv	2376.39	1757.04	57.84	1814.88
I B : Townships, Colonies, Gated Communities and Villas -HT	12.83	9.36	0.01	9.37
II: COMMERCIAL & OTHERS -HT	202.31	209.23	4.23	213.46
II (A): Commercial (ii) Major -HT	151.07	162.67	4.22	166.89
Time of Day tariff (TOD)- Peak	37.87	30.10	0.00	30.10
(iv): Function halls / Auditoria --HT	0.00	0.00	0.00	0.00
II (B) : Startup power -HT	13.38	16.46	0.00	16.46
II (C) : Electric Vehicles / Charging Stations -HT	0.00	0.00	0.00	0.00
II (D) : Green Power -HT	0.00	0.00	0.00	0.00
III INDUSTRY -HT	2100.63	1494.81	42.25	1537.06
III (A) : Industry (General) -HT	541.57	596.30	38.63	634.92
Time of Day tariff (TOD)- Peak	611.79	419.08	0.00	419.08
Time of Day tariff (TOD) - Off Peak	645.22	312.93	0.00	312.93
Industrial Colonies	1.26	0.88	0.00	0.88
III (B) : Seasonal Industries (off- season) - HT	12.97	11.62	0.19	11.81
III (C) : Energy Intensive Industries -HT	287.82	154.01	3.43	157.44
IV INSTITUTIONAL -HT	0.95	0.91	0.01	0.92
IV (A) : Utilites (Street Lighting, NTR Sujala Pathakam, CPWS and PWS) -HT	0.15	0.33	0.01	0.33
IV (B) : General Purpose -HT	0.80	0.58	0.00	0.58
IV (C) : Religious Places -HT	0.00	0.00	0.00	0.00
IV (D) : Railway Traction -HT	0.00	0.00	0.00	0.00
V AGRICULTURE AND RELATED -HT	59.67	42.72	11.35	54.08
V (B) : Aquaculture and Animal Husbandry -HT	0.00	0.00	0.00	0.00
V (E) : Government / Private Lift Irrigation Schemes -HT	59.67	42.72	11.35	54.08
HT Category at 132 kv	5549.87	3353.97	84.92	3438.89
I B : Townships, Colonies, Gated Communities and Villas -HT	0.00	0.00	0.00	0.00
II: COMMERCIAL & OTHERS -HT	117.76	111.10	3.00	114.10
II (A): Commercial (ii) Major -HT	95.69	92.65	2.87	95.52

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crores)	Non - tariff Income (Rs crores)	Total Revenue (Net of incentives) (Rs.Crs)
Time of Day tariff (TOD)- Peak	18.93	14.57	0.00	14.57
(iv): Function halls / Auditoria --HT	0.00	0.00	0.00	0.00
II (B) : Startup power -HT	3.14	3.88	0.13	4.01
II (C) : Electric Vehicles / Charging Stations -HT	0.00	0.00	0.00	0.00
II (D) : Green Power -HT	0.00	0.00	0.00	0.00
III INDUSTRY -HT	4485.79	2591.01	32.93	2623.93
III (A) : Industry (General) -HT	380.11	503.47	22.47	525.94
Time of Day tariff (TOD)- Peak	497.97	318.70	0.00	318.70
Time of Day tariff (TOD) - Off Peak	584.61	257.23	0.00	257.23
Industrial Colonies	73.72	51.60	0.00	51.60
III (B) : Seasonal Industries (off- season) - HT	0.00	0.00	0.00	0.00
III (C) : Energy Intensive Industries -HT	2949.39	1460.01	10.46	1470.46
IV INSTITUTIONAL -HT	819.89	561.46	0.03	561.49
IV (A) : Utilites (Street Lighting, NTR Sujala Pathakam, CPWS and PWS) -HT	0.00	0.00	0.00	0.00
IV (B) : General Purpose -HT	0.00	0.00	0.00	0.00
IV (C) : Religious Places -HT	0.00	0.00	0.00	0.00
IV (D) : Railway Traction -HT	819.89	561.46	0.03	561.49
V AGRICULTURE AND RELATED -HT	126.42	90.40	48.96	139.36
V (B) : Aquaculture and Animal Husbandry -HT	0.00	0.00	0.00	0.00
V (E) : Government / Private Lift Irrigation Schemes -HT	126.42	90.40	48.96	139.36
Total HT	10238.70	7251.36	163.26	7414.62
Total (LT + HT)	24887.73	15918.08	392.42	16310.49

ANNEXURE – 10 (C)

**FILING: CATEGORY WISE SALES & REVENUE AT PROPOSED TARIFF FOR
THE FY2022-23 - APCPDCL**

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crores)	Non - tariff Income (Rs crores)	Total Revenue (Net of incentives) (Rs.Crs)
LT Category	11175.18	6993.38	285.51	7278.90
Domestic	2151.28	1215.14	54.96	1270.11
From 01-04-2022 to 31-07-2022				
Group A: Consumption < = 75 Units during the billing month	398.02	212.21	10.17	222.38
0-50	247.13	132.61	6.31	138.93
51-75	150.90	79.60	3.86	83.46
Group B: Consumption < 225 and >75 units during the billing month	951.67	496.38	24.31	520.69
0-50	385.43	184.39	9.85	194.24
51-100	335.20	170.38	8.56	178.94
101-200	225.36	133.72	5.76	139.48
201-225	5.67	7.89	0.14	8.03
Group C: Consumption >225 units during the billing month	801.59	506.55	20.48	527.03
0-50	116.86	55.91	2.99	58.89
51-100	116.86	55.91	2.99	58.89
101-200	228.73	109.43	5.84	115.27
201-300	171.83	129.04	4.39	133.43
301-400	76.86	65.98	1.96	67.95
401-500	34.50	31.62	0.88	32.50
Above 500 units	55.95	58.67	1.43	60.10
From 01-08-2022 to 31-03-2023:				
Group A: Consumption < = 75 Units during the billing month	849.38	451.39	21.70	473.09
0-30	360.93	191.85	9.22	201.08
31-75	488.45	259.53	12.48	272.01
Group B: Consumption > 300 units during the billing month	2997.14	1633.15	76.57	1709.72
0-100	1919.33	938.25	49.04	987.29
101-200	730.17	401.13	18.66	419.79
201-300	186.64	152.67	4.77	157.44
>300	161.00	141.10	4.11	145.21
Commercial & Others	989.46	983.60	25.28	1008.88
(A): Commercial	963.45	951.18	24.62	975.79
0-50	187.89	142.74	4.80	147.54
51-100	109.32	99.99	2.79	102.79
101-300	202.97	204.06	5.19	209.24
301-500	110.86	114.00	2.83	116.83
Above 500	352.41	390.39	9.00	399.40
(iii) Advertising Hoardings	14.10	17.76	0.36	18.12

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crores)	Non - tariff Income (Rs crores)	Total Revenue (Net of incentives) (Rs.Crs)
(iv) Function Halls/Auditoriums	11.54	14.25	0.29	14.54
(B): Start up power	0.28	0.34	0.01	0.35
(C) : Electric Vehicles (Evs) / Charging stations	0.09	0.07	0.00	0.07
(d) Greenpower	0.00	0.00	0.00	0.00
Industry	551.84	443.22	14.10	457.31
(A): Industry(General)	522.37	422.12	13.35	435.47
(B): Seasonal Industries (off season)	26.67	19.88	0.68	20.56
(D): Cottage Industries upto 10HP	2.79	1.22	0.07	1.29
Institutional	321.04	243.42	8.20	251.62
(A): Utilities	227.03	171.29	5.80	177.09
(B): General Purpose	82.79	65.84	2.12	67.95
(C): Religious Places	11.22	6.29	0.29	6.58
Agriculture & Related	3315.04	2023.47	84.70	2108.16
(A): Agriculture	2165.62	1553.03	55.33	1608.36
(i) Corporate Farmers & IT Assesses with DSM measures	4.28	6.30	0.11	6.41
Corporate Farmers & IT Assesses without DSM measures	0.80	0.90	0.02	0.92
(ii) Non-Corporate Farmers	2150.74	1539.41	54.95	1594.36
(iii) Salt farming units with Connected Load upto 15HP	1.53	0.40	0.04	0.44
(iv) Sugarcane crushing	2.93	2.08	0.07	2.15
(v) Rural Horticulture Nurseries	5.35	3.95	0.14	4.09
(vi) Floriculture in Green House	0.00	0.00	0.00	0.00
(B): Aquaculture and Animal Husbandry	1127.33	459.55	28.80	488.35
(D): Agro Based Cottage Industries upto 10HP	12.13	4.56	0.31	4.87
(E): Government/Private Lift Irrigation Schemes	9.96	6.32	0.25	6.58
HT total	4131.54	3264.19	105.56	3369.74
HT Category at 11 KV	1518.07	1390.80	38.79	1429.59
HT I (B): Townships, Colonies, Gated Communities and Villas	10.21	7.87	0.26	8.13
II Total	286.82	335.53	7.33	342.86
HT II (A) : Commercial		0.00	0.00	
(ii) Major	208.84	264.22	5.34	269.55
Time of Day Tariffs (6 PM to 10 PM)	67.80	58.64	1.73	60.38
(iv) Function Halls / Auditoriums	9.96	12.38	0.25	12.63
HT II (B) : Start up power	0.03	0.05	0.00	0.05
HT II (C): Electric Vehicles (Evs) / Charging stations	0.00	0.00	0.00	0.00
HT II (D) : Green Power	0.20	0.25	0.01	0.25
III Total	1097.13	946.22	28.03	974.25
HT III (A): Industry	448.33	529.43	11.45	540.89

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crores)	Non - tariff Income (Rs crores)	Total Revenue (Net of incentives) (Rs.Crs)
Time of Day Tariffs Peak (6 AM to 10 AM & 6 PM to 10 PM)	352.45	257.29	9.00	266.29
Time of Day Tariffs Off Peak (10 PM to 6 AM)	292.29	154.91	7.47	162.38
Industrial Colonies	1.20	0.84	0.03	0.87
HT III (B): Seasonal Industries	2.04	3.27	0.05	3.32
HT III (C): Energy Intensive Industries	0.81	0.47	0.02	0.49
IV Total	60.73	61.86	1.55	63.41
HT IV (A): Utilities	22.44	21.19	0.57	21.77
HT IV (B): General Purpose	36.27	39.60	0.93	40.53
HT IV (C): Religious Places	2.03	1.07	0.05	1.12
HT IV (D) : Railway Traction	0.00	0.00	0.00	0.00
V Total	63.17	39.32	1.61	40.93
HT V (B) : Aquaculture and Animal Husbandry	20.72	8.49	0.53	9.02
HT V (E) : Government / Private Lift Irrigation	42.45	30.83	1.08	31.92
HT Category at 33 KV	1804.64	1318.03	46.11	1364.13
HT I (B): Townships, Colonies, Gated Communities and Villas	2.78	2.15	0.07	2.22
II Total	90.70	88.40	2.32	90.71
HT II (A) : Commercial		0.00		
(ii) Major	65.25	66.84	1.67	68.50
Time of Day Tariffs (6 PM to 10 PM)	22.70	18.05	0.58	18.63
(iv) Function Halls / Auditoriums	0.00	0.00	0.00	0.00
HT II (B) : Start up power	2.75	3.51	0.07	3.58
HT II (C): Electric Vehicles (Evs) / Charging stations	0.00	0.00	0.00	0.00
HT II (D) : Green Power	0.00	0.00	0.00	0.00
III Total	1657.28	1182.05	42.34	1224.39
HT III (A): Industry	481.38	496.64	12.30	508.94
Time of Day Tariffs Peak (6 AM to 10 AM & 6 PM to 10 PM)	561.73	384.79	14.35	399.14
Time of Day Tariffs Off Peak (10 PM to 6 AM)	602.08	292.01	15.38	307.39
Industrial Colonies	11.45	8.02	0.29	8.31
HT III (B): Seasonal Industries	0.65	0.60	0.02	0.61
HT III (C): Energy Intensive Industries	0.00	0.00	0.00	0.00
IV Total	18.83	20.33	0.48	20.81
HT IV (A): Utilities	0.00	0.00	0.00	0.00
HT IV (B): General Purpose	18.83	20.33	0.48	20.81
HT IV (C): Religious Places	0.00	0.00	0.00	0.00
HT IV (D) : Railway Traction	0.00	0.00	0.00	0.00
V Total	35.03	25.10	0.90	26.00
HT V (B) : Aquaculture and Animal Husbandry	0.00	0.00	0.00	0.00

Consumer Categories	Energy Sales (MU)	Net Revenue from Tariff (Rs. Crores)	Non - tariff Income (Rs crores)	Total Revenue (Net of incentives) (Rs.Crs)
HT V (E) : Government / Private Lift Irrigation	35.03	25.10	0.90	26.00
HT Category at 132 KV	808.83	555.36	20.66	576.03
HT I (B): Townships, Colonies, Gated Communities and Villas	0.00	0.00	0.00	0.00
II Total	0.00	0.00	0.00	0.00
HT II (A) : Commercial		0.00	0.00	0.00
(ii) Major	0.00	0.00	0.00	0.00
Time of Day Tariffs (6 PM to 10 PM)	0.00	0.00	0.00	0.00
(iv) Function Halls / Auditoriums	0.00	0.00	0.00	0.00
HT II (B) : Start up power	0.00	0.00	0.00	0.00
HT II (C): Electric Vehicles (Evs) / Charging stations	0.00	0.00	0.00	0.00
HT II (D) : Green Power	0.00	0.00	0.00	0.00
III Total	461.27	314.45	11.78	326.24
HT III (A): Industry	132.36	137.01	3.38	140.39
Time of Day Tariffs Peak (6 AM to 10 AM & 6 PM to 10 PM)	155.38	99.44	3.97	103.41
Time of Day Tariffs Off Peak (10 PM to 6 AM)	167.23	73.58	4.27	77.85
Industrial Colonies	6.31	4.41	0.16	4.58
HT III (B): Seasonal Industries	0.00	0.00	0.00	0.00
HT III (C): Energy Intensive Industries	0.00	0.00	0.00	0.00
IV Total	346.66	240.26	8.86	249.12
HT IV (A): Utilities	0.00	0.00	0.00	0.00
HT IV (B): General Purpose	0.00	0.00	0.00	0.00
HT IV (C): Religious Places	0.00	0.00	0.00	0.00
HT IV (D) : Railway Traction	346.66	240.26	8.86	249.12
V Total	0.90	0.65	0.02	0.67
HT V (B) : Aquaculture and Animal Husbandry	0.00	0.00	0.00	0.00
HT V (E) : Government / Private Lift Irrigation	0.90	0.65	0.02	0.67
Total (LT+HT)	15306.71	10257.57	391.07	10648.64

ANNEXURE – 11

APPROVED: DISCOMS- CATEGORY WISE SALES & REVENUE FOR THE FY2022-23

Consumer Categories		SALES, MU				Charges tariff		Total Charges				Non-Tariff Income				Total Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	EnChrg	FxC hrge	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total
LT Cat-I : Domestic (Telescopic)																			
LT-I	0-30	1783.94	1927.51	1362.3	5073.75	1.90	10	415.18	412.50	281.38	1109.07	9.85	0.95	6.61	17.41	425.03	413.46	287.99	1126.47
LT-I	31-75	1261.82	2246.26	1823.92	5332.00	3.00	10	445.94	751.86	590.97	1788.77	58.68	6.04	26.76	91.48	504.62	757.91	617.73	1880.25
LT-I	76-125	1084.56	1162.99	1422.64	3670.19	4.50	10	553.00	641.42	707.08	1901.50	85.43	11.74	30.86	128.02	638.43	653.16	737.94	2029.52
LT-I	126-225	828.9	955.94	748.93	2533.77	6.00	10	560.16	651.56	522.57	1734.29	107.23	17.91	45.22	170.36	667.39	669.47	567.79	1904.65
LT-I	226-400	569	943.6	420.02	1932.62	8.75	10	504.81	842.84	400.30	1747.95	53.47	10.94	27.69	92.10	558.28	853.77	427.99	1840.04
LT-I	>400	220.23	300	220	740.23	9.75	10	219.28	296.29	224.42	739.98	31.05	5.25	16.60	52.90	250.32	301.54	241.02	792.89
LT Cat-II : Commercial & Others																			
LT-II(A)	0-50	189.77	249.825	187.89	627.49	5.40	75	158.44	204.34	142.74	505.53	11.41	9.3	4.8	25.51	169.85	213.64	147.54	531.04
LT-II(A)	51-100	93.55	128.54	109.32	331.41	7.65	75	88.80	116.58	100.00	305.38	5.63	4.96	2.79	13.38	94.43	121.54	102.79	318.76
LT-II(A)	101-300	166.19	238.47	202.97	607.63	9.05	75	171.40	240.82	204.06	616.27	9.99	7.52	5.19	22.70	181.39	248.34	209.25	638.97
LT-II(A)	301-500	83.02	119.745	110.86	313.63	9.60	75	87.45	124.38	113.99	325.83	4.99	2.31	2.83	10.13	92.44	126.69	116.82	335.95
LT-II(A)	Above 500	419.7	517.003	352.41	1289.11	10.15	75	459.98	565.95	390.39	1416.33	25.24	7.89	9	42.13	485.22	573.84	399.39	1458.46
LT-II(A)	(i) Advertising Hoardings	2.18	1.05	14.1	17.33	12.25	100	3.20	1.69	17.76	22.65	0.13	0.10	0.36	0.59	3.33	1.79	18.12	23.24
LT-II(A)	(ii) Function Halls/Auditoriums	9.61	11.561	11.54	32.71	12.25	0	11.87	14.39	14.25	40.52	0.58	0.19	0.29	1.06	12.45	14.58	14.54	41.57
LT-II(B)	(B): Start up power	0	0.299	0.28	0.58	12.25	0	0.00	0.38	0.34	0.73	0.00	0.0	0.01	0.01	0.00	0.38	0.35	0.74
LT-II(C)	(C) : Electric Vehicles (Evs) / Charging stations	0.26	0.098	0.09	0.45	6.70	0	0.18	0.08	0.07	0.33	0.02	0.0	0.0	0.02	0.20	0.08	0.07	0.35
LT-II(D)	(D) : Green Power	0	0	0	0.00	12.25	0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.00	0.00

Consumer Categories		SALES, MU				Charges tariff		Total Charges				Non-Tariff Income				Total Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	EnChrg	FxC hrge	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total
LT Cat-III : Industry																			
LT-III(A)	(A): Industry (General)	499.87	465.16	506.92	1471.95	6.70	75	431.52	373.92	410.18	1215.62	30.06	14.7	13.35	58.11	461.58	388.62	423.53	1273.73
LT-III(A)	Rice Mills & Pulverising Mills (101 HP to 150 HP)	53.45	43.87	15.45	112.77	6.70	275	71.90	41.36	15.72	128.97	3.21	0.00	0.00	3.21	75.11	41.36	15.72	132.18
LT-III(B)	(B): Seasonal Industries (off season)	0.8	0.64	26.67	28.11	7.45	75	0.67	0.50	19.88	21.05	0.05	0.00	0.68	0.73	0.72	0.50	20.56	21.78
LT-III(D)	(D): Cottage Industries upto 10HP	45.12	2.93	2.79	50.84	3.75	20	19.47	1.28	1.22	21.97	2.71	0.03	0.07	2.81	22.18	1.31	1.29	24.78
LT-III(D)	Dhobigatts	0.1	0.00	0	0.10	0.00	0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.00	0.00
LT Cat-IV : Institutional																			
LT-IV(A)	(A): Utilities	681.21	322.62	227.03	1230.86	7.00	75	513.60	239.64	171.29	924.53	40.96	112.81	5.8	159.57	554.56	352.45	177.09	1084.10
LT-IV(B)	(B): General Purpose	92.99	86.01	82.79	261.79	7.00	75	79.18	70.20	65.84	215.22	5.59	10.44	2.12	18.15	84.77	80.64	67.96	233.37
LT-IV(C)	(C): Religious Places	8.73	15.67	11.22	35.62	5.00	30	4.97	9.22	6.29	20.48	0.53	1.21	0.29	2.03	5.50	10.43	6.58	22.51
LT Cat-V : Agricultural & Related																			
LT-V(A)	(A): Agriculture																		
LT-V(A)	(i) Corporate Farmers & IT Assesses	3.66	9.87	5.08	18.61	3.50	0	1.33	3.56	1.90	6.79	0.22	0	0.13	0.35	1.55	3.56	2.03	7.14
LT-V(A)	(ii) Non-Corporate Farmers	7754.675	2699.94	2070.575	12525.19	0.00	0	41.13	9.64	14.53	65.30	0.00	0.03	54.95	54.98	41.13	9.67	69.48	120.28
LT-V(A)	(iii) Salt farming units with Connected Load upto 15HP	0.5	0.37	1.53	2.40	2.50	0	0.14	0.10	0.40	0.63	0.03	0.00	0.04	0.07	0.17	0.10	0.44	0.70
LT-V(A)	(iv) Sugarcane crushing	0.01	0.72	2.93	3.66	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.07	0.07
LT-V(A)	(v) Rural Horticulture Nurseries	0.62	14.70	5.35	20.67	0.00	0	0.00	0.06	0.16	0.23	0.00	0.00	0.14	0.14	0.00	0.06	0.30	0.37

Consumer Categories		SALES, MU				Charges tariff		Total Charges				Non-Tariff Income				Total Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	EnChrge	FxC hrg	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total
LT-V(A)	(vi) Floriculture in Green House	0.06	0.05	0	0.11	4.50	75	0.03	0.03	0.00	0.06	0.00	0.01	0	0.01	0.03	0.04	0.00	0.07
LT-V(B)	(B): Aquaculture and Animal Husbandry	788.47	1960.92	1127.33	3876.72	3.85	30	313.82	791.35	459.55	1564.72	47.42	4.83	28.8	81.05	361.24	796.18	488.35	1645.77
LT-V(D)	(D): Agro Based Cottage Industries upto 10HP	0.15	0.4	12.13	12.68	3.75	20	0.07	0.16	4.56	4.80	0.01	0	0.31	0.32	0.08	0.16	4.87	5.12
LT-V(E)	(E): Government/Private Lift Irrigation Schemes	1.86	0	9.96	11.82	6.40	0	1.20	0.00	6.38	7.58	0.11	0	0.25	0.36	1.31	0.00	6.63	7.94
HT Category																			
HT Cat-(A): Domestic																			
	(B): Townships, Colonies, Gated Communities and Villas																		
HT-I(B)	11 kV	14.36	27.155	10.21	51.73	7.00	75	10.76	20.07	7.87	38.70	0.87	0.03	0.26	1.16	11.63	20.10	8.13	39.86
HT-I(B)	33 kV	4.87	12.825	2.78	20.48	7.00	75	3.55	9.36	2.14	15.05	0.29	0.01	0.07	0.37	3.84	9.37	2.21	15.43
HT-I(B)	132 kV	0	0	0	0.00	7.00	75	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
HT-I(B)	220 kV	0	0	0	0.00	7.00	75	0.00	0.00	0.00		0.00	0	0	0.00	0.00	0.00	0.00	0.00
HT Cat-II : Commercial & Others																			
HT-II(A)	11 kV	214.69	402.23	208.84	825.76	7.65	475	248.59	492.67	264.22	1005.48	12.91	3.86	5.34	22.11	261.50	496.53	269.56	1027.58
HT-II(A)	33 kV	13.44	151.07	65.25	229.76	6.95	475	20.15	162.67	66.84	249.66	0.81	4.22	1.67	6.70	20.96	166.89	68.51	256.36
HT-II(A)	132 kV	23.49	28.36	0	51.85	6.70	475	23.15	38.41	0.00	61.56	1.41	0.85	0	2.26	24.56	39.26	0.00	63.82
HT-II(A)	220 kV	0	67.33	0	67.33	6.65	475	0.00	53.90	0.00	53.90	0	2.02	0	2.02	0.00	55.92	0.00	55.92
	Commercial, ToD																		
HT-II(A)	11 kV	55.49	122.42	67.8	245.71	8.65	475	48.00	105.89	58.65	212.54	3.34	0	1.73	5.07	51.34	105.89	60.38	217.61

Consumer Categories		SALES, MU				Charges tariff		Total Charges				Non-Tariff Income				Total Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	EnChrg	FxC hrge	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total
HT-II(A)	33 kV	5.01	37.87	22.7	65.58	7.95	475	3.98	30.10	18.05	52.13	0.3	0	0.58	0.88	4.28	30.10	18.63	53.01
HT-II(A)	132 kV	10.15	5.94	0	16.09	7.70	475	7.82	4.57	0.00	12.39	0.61	0	0	0.61	8.43	4.57	0.00	13.00
HT-I(B)	220 kV	0	12.98	0	12.98	7.65	475	0.00	9.93	0.00	9.93	0	0	0	0.00	0.00	9.93	0.00	9.93
	(ii) Function Halls/Auditoriums				0.00														
HT-II(A)	11 kV	3.04	8.77	9.96	21.77	12.25	0	3.82	11.03	12.38	27.23	0.18	0.05	0.25	0.48	4.00	11.07	12.63	27.71
HT-II(A)	33 kV	0	0.00	0	0.00	12.25	0	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
HT-II(A)	132 kV	0	0	0	0.00	12.25	0	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
HT-II(A)	220 kV	0	0	0	0.00	12.25	0	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
	(B): Start up power																		
HT II(B)	11 kV	0.25	0.07	0.03	0.35	12.25	0	0.32	0.09	0.04	0.44	0.02	0.06	0	0.08	0.34	0.15	0.04	0.52
HT II(B)	33 kV	36.6	13.38	2.75	52.73	12.25	0	45.93	16.46	3.51	65.90	2.20	0	0.07	2.27	48.13	16.46	3.58	68.17
HT II(B)	132 kV	6.37	2.91	0	9.28	12.25	0	7.86	3.59	0.00	11.45	0.38	0.12	0	0.50	8.24	3.71	0.00	11.95
HT II(B)	220kV	1.61	0.24	0	1.85	12.25	0	1.98	0.30	0.00	2.28	0.10	0.01	0	0.11	2.08	0.31	0.00	2.39
	(C): Electric Vehicles (Evs) / Charging stations																		
HT-II(C)	11 kV	0	0	0	0.00	6.70	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II(C)	33 kV	0	0	0	0.00	6.70	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II(C)	132 kV	0	0	0	0.00	6.70	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-II(C)	220 kV	0	0	0	0.00	6.70	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(D): Green Power																		
HT II(D)	11 kV	0.18	0	0.2	0.38	12.25	0	0.22	0.00	0.25	0.47	0.01	0	0.01	0.02	0.23	0.00	0.26	0.49

Consumer Categories		SALES, MU				Charges tariff		Total Charges				Non-Tariff Income				Total Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	EnChrge	FxC hrge	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total
HT II(D)	33 kV	0.41	0	0	0.41	12.25	0	0.51	0.00	0.00	0.51	0.02	0	0	0.02	0.53	0.00	0.00	0.53
HT II(D)	132 kV	0	0	0	0.00	12.25	0	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
HT II(D)	220 kV	0	0	0	0.00	12.25	0	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
HT Cat-III : Industry																			
	(A): Industrial General																		
	Industry, ToD (HGD) (Feb'23, Mar'23), (Apr-May'22) & (Sep'22-Oct'22)																		
	Peak (06-10) & (18-22)																		
HT III(A)	11KV	159.71	249.42	175.48	584.61	7.80	475	124.57	194.55	136.87	455.99	9.61	0.00	4.48	14.09	134.18	194.55	141.35	470.08
HT III(A)	33KV	354.45	304.04	276.77	935.26	7.35	475	260.52	223.47	203.42	687.41	21.32	0.00	7.07	28.39	281.84	223.47	210.49	715.80
HT III(A)	132KV	367.67	159.00	76.03	602.70	6.90	475	253.69	109.71	52.46	415.86	22.11	0.00	1.94	24.05	275.80	109.71	54.40	439.91
HT III(A)	220 kV	52.59	80.96	0.00	133.55	6.85	475	36.02	55.46	0.00	91.48	3.16	0.00	0.00	3.16	39.19	55.46	0.00	94.64
	Off-Peak (10 -15) & (00-06)																		
HT III(A)	11KV	228.42	341.55	243.11	813.08	5.55	475	126.77	189.56	134.93	451.26	12.25	0.00	4.64	16.89	139.02	189.56	139.56	468.14
HT III(A)	33KV	426.37	411.54	359.03	1196.94	5.10	475	217.45	209.88	183.11	610.44	22.87	0.00	6.85	29.72	240.32	209.88	189.95	640.15
HT III(A)	132KV	440.36	231.64	99.3	771.30	4.65	475	204.77	107.71	46.17	358.65	23.62	0.00	1.89	25.51	228.39	107.71	48.07	384.16
HT III(A)	220 kV	60.02	94.17	0	154.19	4.60	475	27.61	43.32	0.00	70.93	3.22	0.00	0.00	3.22	30.83	43.32	0.00	74.14
	Normal (15-18) & (22-24)																		
HT III(A)	11KV	120.47	166.29	125.38	412.14	6.30	475	75.90	104.76	78.99	259.65	8.81	1.85	4.85	15.51	84.71	106.61	83.83	275.16
HT III(A)	33KV	213.84	189.40	173.98	577.22	5.85	475	125.10	110.80	101.78	337.67	15.65	19.58	6.72	41.95	140.74	130.38	108.50	379.62
HT III(A)	132KV	219.24	104.22	47.88	371.34	5.40	475	118.39	56.28	25.86	200.52	16.04	8.00	1.85	25.89	134.43	64.28	27.71	226.42

Consumer Categories		SALES, MU				Charges tariff		Total Charges				Non-Tariff Income				Total Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	EnChrge	FxC hrge	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total
HT III(A)	220 kV	30.04	37.81	0	67.85	5.35	475	16.07	20.23	0.00	36.30	2.20	2.90	0.00	5.10	18.27	23.13	0.00	41.40
	Industry, ToD (LGD) (Jun'22-Aug'22) & (Nov'22-Jan'23)																		
	Peak (06-10) & (18-22)																		
HT III(A)	11KV	151.25	253.29	176.97	581.51	7.30	475	110.41	184.90	129.19	424.50	9.10	0.00	4.52	13.62	119.51	184.90	133.71	438.12
HT III(A)	33KV	352.38	307.75	284.96	945.09	6.85	475	241.38	210.81	195.20	647.39	21.19	0.00	7.28	28.47	262.57	210.81	202.47	675.85
HT III(A)	132KV	352.2	170.97	79.35	602.52	6.40	475	225.41	109.42	50.78	385.62	21.18	0.00	2.02	23.21	246.59	109.42	52.81	408.82
HT III(A)	220 kV	50.38	87.05	0	137.43	6.35	475	31.99	55.28	0.00	87.27	3.03	0.00	0.00	3.03	35.02	55.28	0.00	90.30
	Off-Peak (10 -15) & (00-06)																		
HT III(A)	11KV	220.31	349.56	245.78	815.65	5.55	475	122.27	194.01	136.41	452.69	11.82	0.00	4.69	16.50	134.09	194.01	141.10	469.19
HT III(A)	33KV	409.92	401.70	371.655	1183.28	5.10	475	209.06	204.87	189.54	603.47	21.99	0.00	7.09	29.07	231.04	204.87	196.63	632.55
HT III(A)	132KV	396.31	245.93	102.825	745.07	4.65	475	184.28	114.36	47.81	346.46	21.26	0.00	1.96	23.22	205.54	114.36	49.78	369.67
HT III(A)	220 kV	53.845	100.34	0	154.18	4.60	475	24.77	46.15	0.00	70.92	2.89	0.00	0.00	2.89	27.66	46.15	0.00	73.81
	Normal (15-18) & (22-24)																		
HT III(A)	11KV	115.155	170.06	126.35	411.56	6.30	475	317.00	444.85	326.58	1088.43	8.43	1.89	4.88	15.20	325.43	446.74	331.46	1103.63
HT III(A)	33KV	200.37	184.16	178.79	563.32	5.85	475	422.99	387.21	319.63	1129.83	14.66	19.04	6.91	40.61	437.65	406.26	326.54	1170.44
HT III(A)	132KV	191.19	110.39	49.58	351.16	5.40	475	355.92	223.87	92.31	672.10	13.99	8.48	1.44	23.90	369.90	232.34	93.75	696.00
HT III(A)	220 kV	26.13	40.22	0	66.35	5.35	475	57.38	155.47	0.00	212.85	1.91	3.18	0.00	5.09	59.29	158.65	0.00	217.94
	Industrial colonies				0.00														
HT-III(A)	11 kV	0.07	5.42	1.2	6.69	7.00	0	0.05	3.79	0.84	4.68	0.00	0.00	0.03	0.03	0.05	3.79	0.87	4.71
HT-III(A)	33 kV	1.01	1.26	11.45	13.72	7.00	0	0.71	0.88	8.02	9.60	0.06	0.00	0.29	0.35	0.77	0.88	8.31	9.95

Consumer Categories		SALES, MU				Charges tariff		Total Charges				Non-Tariff Income				Total Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	EnChrg	FxC hrge	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total
HT-III(A)	132 kV	9.16	34.74	6.31	50.21	7.00	0	6.41	24.32	4.42	35.15	0.55	0.00	0.16	0.71	6.96	24.32	4.58	35.86
HT-III(A)	200 kV	0	38.98	0	38.98	7.00	0	0.00	27.29	0.00	27.29	0.00	0.00	0.00	0.00	0.00	27.29	0.00	27.29
	(B): Seasonal Industries																		
HT-III(B)	11 kV	6.19	14.92	2.04	23.15	7.65	475	8.09	20.19	3.26	31.54	3.26	0.36	0.05	3.67	11.35	20.55	3.31	35.21
HT-III(B)	33 kV	0.21	12.97	0.65	13.83	6.95	475	0.62	11.61	0.60	12.83	0.42	0.19	0.02	0.63	1.04	11.80	0.62	13.46
HT-III(B)	132 kV	0	0	0	0.00	6.70	475	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HT-III(B)	220 kV	0	0	0	0.00	6.65	475	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	(C): Energy Intensive Industries																		
HT-III(C)	11 kV	1.64	0	0.81	2.45	5.80	0	0.95	0.00	0.47	1.43	0.10	0.00	0.02	0.12	1.05	0.00	0.49	1.55
HT-III(C)	33 kV	210.94	287.82	0	498.76	5.35	0	112.88	154.01	0.00	266.88	12.69	3.43	0.00	16.12	125.57	157.43	0.00	283.00
HT-III(C)	132 kV	405.79	1838.49	0	2244.28	4.95	0	200.88	910.10	0.00	1110.98	24.41	6.52	0.00	30.93	225.29	916.62	0.00	1141.91
HT-III(C)	220 kV	0	1110.9	0	1110.90	4.90	0	0.00	544.35	0.00	544.35	0.00	3.94	0.00	3.94	0.00	548.29	0.00	548.29
HT Cat-IV : Institutional																			
	(A): Utilities																		
	Composite Protected Water Supply Schemes																		
HT-IV(A)	11 kV	38.57	121.11	22.44	182.12	7.65	475	39.79	115.52	21.20	176.50	2.32	5.51	0.57	8.40	42.11	121.03	21.77	184.90
HT-IV(A)	33 kV	74.77	0.15	0	74.92	6.95	475	63.85	0.33	0.00	64.18	4.5	0.01	0	4.51	68.35	0.34	0.00	68.69
HT-IV(A)	132 kV	0	0	0	0.00	6.70	475	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00
HT-IV(A)	220 kV	0	0	0	0.00	6.65	475	0.00	0.00	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
	(B): General Purpose																		
HT-IV(B)	11 kV	42.54	28.29	36.27	107.10	7.95	475	49.48	36.64	39.60	125.72	2.56	1.28	0.93	4.77	52.04	37.92	40.54	130.49

Consumer Categories		SALES, MU				Charges tariff		Total Charges				Non-Tariff Income				Total Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	EnChrg	FxC hrge	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total
HT-IV(B)	33 kV	3.51	0.80	18.83	23.14	7.25	475	3.72	0.58	20.33	24.63	0.21	0.00	0.48	0.70	3.93	0.58	20.81	25.33
HT-IV(B)	132 kV	0	0	0	0.00	7.00	475	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00
HT-IV(B)	220 kV	0	0	0	0.00	6.95	475	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00
	(C): Religious Places				0.00		475												
HT-IV(C)	11 kV	4.3	5.80	2.03	12.13	5.00	30	2.26	3.04	1.07	6.37	0.26	0.00	0.05	0.31	2.53	3.04	1.12	6.68
HT-IV(C)	33 kV	20.13	0	0	20.13	5.00	30	10.32	0.00	0.00	10.32	1.21	0.00	0	1.21	11.53	0.00	0.00	11.53
HT-IV(C)	132 kV	0	0	0	0.00	5.00	30	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00
HT-IV(C)	220 kV	0	0	0	0.00	5.00	30	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00
	(D) Railway Traction																		
HT-IV(D)	132 kV	507.69	819.89	346.66	1674.24	5.50	350	377.79	561.46	240.26	1179.51	30.54	0.03	8.86	39.42	408.33	561.49	249.12	1218.93
HT-IV(D)	220 kV	67.74	0	0	67.74	5.50	350	58.27	0.00	0.00	58.27	4.07	0	0	4.07	62.35	0.00	0.00	62.35
HT Cat-V : Agricultural & Related																			
	(B): Aquaculture and Animal Husbandry																		
HT-V(B)	11 kV	20.56	27.88	20.72	69.16	3.85	30	8.37	11.26	8.49	28.12	1.24	0.01	0.53	1.79	9.61	11.27	9.02	29.91
HT-V(B)	33 kV	0	0	0	0.00	3.85	30	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00
HT-V(B)	132 kV	0	0	0	0.00	3.85	30	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00
HT-V(B)	220 kV	0	0	0	0.00	3.85	30	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00
	(E): Government / Private Lift Irrigation																		
HT-V(E)	11 kV	11.11	18.20	42.45	71.76	7.15	0	8.14	13.21	30.83	52.19	0.67	5.59	1.08	7.34	8.82	18.80	31.92	59.54
HT-V(E)	33 kV	119.93	59.67	35.03	214.63	7.15	0	85.90	42.73	25.10	153.72	7.21	11.35	0.90	19.46	93.11	54.07	26.00	173.19

Consumer Categories		SALES, MU				Charges tariff		Total Charges				Non-Tariff Income				Total Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	EnChr ge	FxC hrge	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total	SPDCL	EPDCL	CPDCL	Total
HT-V(E)	132 kV	354.31	0.00	0.9	355.21	7.15	0	253.38	0.00	0.65	254.03	21.31	0.00	0.02	21.33	274.69	0.00	0.67	275.35
HT-V(E)	220 kV	1809.78	126.42	0.00	1936.20	7.15	0	1294.04	90.40	0.00	1384.44	108.84	48.96	0.00	157.80	1402.88	139.36	0.00	1542.24
TOTAL(LT + HT)		25937.54	24665.48	15226.54	65829.55			12060.98	13693.81	8178.34	33933.12	1096.80	392.42	391.07	1880.29	13157.77	4086.23	8569.41	35813.41

ANNEXURE – 12
GOVERNMENT LETTER ON SUBSIDY FOR FY2022-23

File No.ENE01-APCC/1/2021-MLO-ENE

GOVERNMENT OF ANDHRA PRADESH
ENERGY (POWER.III) DEPARTMENT

Letter No.ENE01-APCC/1/2021, dated:24-03-2022.

From

The Secretary to Government,
Energy (Power.III) Department,
A.P.Secretariat,
Amaravati.

To

The Commission Secretary (I/c),
Andhra Pradesh Electricity Regulatory Commission,
Singareni Bhavan, Red Hills, Khairatabad, Hyderabad.

Sir,

Sub: -APERC – ARR and Tariff proposals for retail supply for the
financial year 2022-23 – Subsidy proposals – Decision of the Govt
– Communicated – Reg.

Ref: -From the Commission Secretary(i/c), APERC, Hyderabad,
letter No.APERC/Secy/Tariff/F.87/D.No.157/2021, dated:23-03-
2022.

I am to invite 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,

Secretary to Government

Signed by B Sreedhar Ias
Date: 24-03-2022 12:00:45
Reason: Approved

ANNEXURE – 13**G.O.Ms.No.17, Dated:15-02-2019****GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

Energy Infrastructure & Investment Department – Extending of free power supply to all Agricultural consumers from seven hours per day to Nine hours per day – Orders Issued.

ENERGY, INFRASTRUCTURE & INVESTMENT (POWER.I) DEPARTMENT

G.O.MS.No. 17

Dated: 15-02-2019

ORDER:

Government of Andhra Pradesh as a part of its policy have issued directions for providing seven hours of free power supply to the agricultural consumers in the state. Government have also directed the Discoms to extend additional hours of free power supply to Agricultural consumers wherever necessary, based on the requests from public representatives duly recommended by District administration to save the standing crops. There are more than 17.85 lakh pumpsets in the state and the average annual consumption by these consumers in the current scenario is around 12,574 MU's. Necessary subsidy is being provided by the Govt. of AP towards free power supply to the DISCOMs.

2. In pursuance of the announcement made during Sankranti festival (13.01.2019) by the Hon'ble Chief Minister, Government have decided to increase the present seven hours of free power supply to nine hours for the farming community.

3. Additional subsidy towards supply of 9 hours of power from the present 7 hours of power supply to agricultural consumers will be paid to Discoms by the Government.

4. This order issues with the approval of Finance department vide their U.O.No.FIN01-FMU0ASD(IIE)/9/2019-FMU-IIE5, dated.15.02.2019.

5. The CMD APTRANSCO, CMD APSPDCL, CMD APEPDCL shall take further necessary action accordingly.

(BY ORDER AND IN THE NAME OF GOVERNOR OF ANDHRAPRADESH)

**AJAY JAIN
PRINCIPAL SECRETARY TO GOVERNMENT**

To:

The Chairman & Managing Director, APTRANSCO, Vijayawada.

The Chairman & Managing Director, APSPDCL, Tirupati.

The Chairman & Managing Director, APEPDCL, Visakhapatnam.

Copy to:

The Secretary, APERC, Hyderabad.

The P.S. to Minister(Power)

The P.S. to Chief Secretary to Government.

ANNEXURE - 14**G.O.RT.No.39, Dated:14-03-2018****GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**Energy, I&I Department - Providing of free power to Horticultural Nurseries -
Orders - Issued.

ENERGY, INFRASTRUCTURE & INVESTMENT (POWER.I) DEPARTMENT

G.O.RT.No. 39

Dated: 14-03-2018
Read:

Letter No.14/Minister (Energy)/2018, dated 07.02.2018.

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ORDER:

Nursery farmers Association have represented (1) for waiver of all pending dues payable towards power supply made to the Nurseries and (2) Extending all the benefits to the nursery farmers on par with beneficiaries getting Agriculture connections (Free category).

2) The Government after careful consideration decided to extend all the benefits to the nursery farmers on par with agriculture connections (free category) to extend helping hand and as an encouragement to the Nursery farmers in the state.

3) Government has also decided for waiver of all the pending dues payable towards power supply by the nurseries.

4) The Department shall adjust the above expenditure within the allocation made in the budget. This has got the approval of Finance Department vide Fin. U.O. No.45027/62/FMU-Rev, I&C & Energy/2018, dated 05.03.2018.

5) The CMD, APTRANSCO, CMD/APEPDCL and CMD/APSPDCL shall take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

AJAY JAIN
PRINCIPAL SECRETARY TO GOVERNMENT

To

- 1) The Chairman & Managing Director, APTRANSCO, Vijayawada.
- 2) The Chairman & Managing Director, APSPDCL, Tirupati.
- 3) The Chairman & Managing Director, APEPDCL, Visakhapatnam.
- 4) The Secretary, APERC, Hyderabad.

Copy to:

The P.S., to Hon'ble Minister for Energy
The P.S., to Pri. Secretary, Energy, I&I Dept.

// Forwarded:: By Order //

SECTION OFFICER

ANNEXURE - 15**G.O.Rt.No.75, Dated:27-06-2018****GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

Energy, I&I Department – Providing of free power to Dhobighats (691) on par with Agricultural connections (free category) - Orders – Issued.

ENERGY, INFRASTRUCTURE & INVESTMENT (POWER.I) DEPARTMENT

G.O.Rt.No.75

Dated 27.06.2018
Read the following:

- 1) From the Chairman, AP Washermen Co-Op, Societies Federation Ltd., dated 06.11.2017.
- 2) Letter No.110/Minister (Energy)/2018, dated 16.05.2018.

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ORDER:

In the reference 1st read above, the Washerman Association have represented (1) for waiver of all pending dues payable towards power supply made to the Dhobighats and (2) to extending all the benefits to the Dhobighats on par with beneficiaries getting Agriculture connections (Free category).

2) The Government after careful examination of the matter decide and here by extend all the benefits to the Dhobighats (691) on par with agriculture connections (free category) to extend helping hand and as an encouragement to the Washerman in the state.

3) The CMD, APTRANSCO, CMD/APEPDCL and CMD/APSPDCL shall take further necessary action accordingly.

4) This order issue with the approval of Finance Department vide their U.O. No.45027/165/FMU-Rev, I&C & Energy/2018, dated 30.05.2018.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

AJAY JAIN
PRINCIPAL SECRETARY TO GOVERNMENT

To

- 1) The Chairman & Managing Director, APTRANSCO, Vijayawada.
- 2) The Chairman & Managing Director, APSPDCL, Tirupati.
- 3) The Chairman & Managing Director, APEPDCL, Visakhapatnam.
- 4) The Secretary, APERC, Hyderabad.

Copy to:

The P.S., to Hon'ble Minister for Energy.

The P.S., to Prl. Secretary, Energy, 1&I Dept.

ANNEXURE – 16**G.O.Rt.No.70, Dated:02.07.2019****GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

Energy Department – Power tariff concession for supply of power to the Aquaculture farmers by reducing the current unit rate to Rs.1.50ps per Unit - Orders – Issued.

ENERGY (POWER.I) DEPARTMENTG.O.Rt.No.70

Dated:02.7.2019

Read the following:

1. G.O.Rt.No.119, Energy,I&I(Power.I) Dept., dated: 5-9-2018.
2. G.O.Rt.No.136, Energy,I&I(Power.I) Dept., dated: 10-10-2018

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ORDER:

In the G.O.1st and 2nd read above Government have issued orders for power tariff concession for supply of Power to the Aquaculture farmers by reducing the current unit rate from Rs.3.86ps to 2.00ps for a period of one year.

2. Government according to its policy Intends to reduce the unit rates for power for aquaculture to Rs.1.5 per unit from APERC notified rates.

3. The CMDs of DISCOMS informed that if aqua farms are supplied power at Rs.1.50ps per unit, the additional subsidy requirement for one year would be around Rs.720 Crores.

4. Government after careful examination of the matter announces power tariff concession to aqua farmers by reducing the current unit rate from the rate notified by APERC to Rs.1.50ps per unit with immediate effect.

5. DISCOMS will collect the power charges from Aquaculture farmers at the rate of Rs.1.50 per unit and the Energy Department would transfer the subsidy amount to the DISCOMS on the basis of details submitted by them.

6. The expenditure shall be met from the following Head of Account:-

2801- Power

05-Transmission and Distribution

800-Other Expenditure

SH(16) - Assistance to Transmission Corporation of Andhra Pradesh for Providing subsidy to Aquaculture farmers.

330-Subsidies/332-Subsidies to Organisations.

7. The CMD., APTRANSCO, CMD., APEPDCL and CMD., APSPDCL, shall take further necessary action accordingly.

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8. This order issues with the concurrence of Finance Department vide U.O.Note No.FIN01-FMU0BES(IE/1/2019-IIIE,dated:1-7-2019.

(BY ORDER IN THE NAME OF THE GOVERNER OF ANDHRA PRADESH)

SRIKANT NAGULAPALLI
SECRETARY TO GOVERNMENT

To

The Chairman & Managing Director, APTRANSCO, Vijayawada.

The Managing Director, APGENCO,Vijayawada.

The Chairman & Managing Director, APSPDCL, Tirupati.

The Chairman & Managing Director, APEPDCL, Visakhapatnam.

The Secretary, APERC, Hyderabad.

The Managing Director, AFCOF&EO Commissioner of Fisheries, Vijayawada

(Shall take further necessary action accordingly.)

The Special Chief Secretary to Govt, Animal Husbandry, Dairy Development
& Fisheries Department, AP Secretariat

Copy to:

The Prl., Advisor to Chief Minister

The P.S., to Hon'ble Chief Minister.

The P.S., to Hon'ble Minister for Energy.

The OSD to Chief Secretary.

The P.S., to Secretary, Energy, I&I Dept.

// Forwarded:: By Order //

SECTION OFFICER

ANNEXURE – 17**G.O.Ms.No.91, Dated:24-07-2019****GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

Social Welfare Department - Scheduled Castes Component 2019-20 - 'Jagjeevan Jyothi' - Enhancement of benefit under the Free Power Scheme from (100) units to (200) units to the eligible SC households as per the announcement in MANIFESTO - Orders -Issued.

SOCIALWELFARE (SCP.A2) DEPARTMENT**G.O.Ms.No.91****Dated: 24.07.2019
Read the following.**

- 1.G.O.Ms.No.58, Social Welfare (SCP.1) Department, Dt.2.07.2013.
- 2.G.O.Ms.No.80, Social Welfare (TW.Bud.1) Department, Dt.28.09.2013.
- 3.G.O.Ms.No.32, Social Welfare (SCP.A2) Department, Dt.28.04.2017.
- 4.CMP No.9218/Secy(MGS)/2018, Dt.25.07.2018.
- 5.Lr.Rc.No.5/1353/2018, Dt.01.08.2018, of D.S.W., A.P., Amaravati.
6. G.O.Ms.No.143, Social Welfare (SCP.A2) Department, Dt. 29.08.2018.
7. U.O.No.1/Cabinet.I/2019-28, Dt.02.07.2019.
8. Lr.Rc.No.S/1086/2019, Dt.04.07.2019, D.S.W., A.P., Amaravati.

ORDER:

In the G.O.s 1st & 2nd read above, the Government have issued orders for the payment of electricity charges to benefit the SC & ST households, living in SC & ST colonies with monthly consumption of 0-50 units per month, provided that the DISCOMS concerned give detailed consumption particulars of each beneficiary.

2. In the G.O. 3rd read above, Government have launched the 'Jagjeevan Jyothi' scheme, duly enhancing the benefit of Free Power up to (75) Units from the existing (50) units in respect of the SC & ST households, consuming power up to (100) Units per month.

3. In the G.O. 6th read above, Government have issued orders for enhancing the benefit of Free Power Scheme from (75) units to (100) units in respect of the SC & ST households, consuming power up to (125) Units per month.

4. During the Cabinet meeting held on 10-6-2019, the Hon'ble Chief Minister has instructed to extend the benefit of Free Power up to (200) units from the existing (100) units to the eligible Scheduled Castes Households in the State, as per the announcement in MANIFESTO in order to ensure that the benefit the larger number of eligible poor SC families. The Director Social Welfare vide reference 8th read above has submitted proposals accordingly.

5. Government after careful examination of the above proposal, hereby enhance the benefit for providing Free Power from 100 units to 200 Units to SC Eligible Households consuming power up-to 200 units per month in the State under the Hon'ble Chief Minister, Assurance in MANIFESTO, duly covering an additional 2.82 lakh SC families (with an additional subsidy amount of Rs 107.24 crores per annum).

6. The Director of Social Welfare is permitted to incur the expenditure for the above purpose under Head of Account "2225-01-800-11-08-330-000" and he is permitted to meet the additional amount required for the purpose by reallocation within Scheduled Castes Component 2019-20, at the appropriate time.

(P.T.O.)

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7. In order to ensure the proper implementation of the scheme and in order to ensure that the benefits under the scheme are availed all the eligible SC beneficiaries, Government further orders that:

- a) The concerned DISCOMs & RESCOs shall mandatorily obtain and the enter in the scheme database the (a) Aadhar Number (b) Mobile Number (c) Caste Certificate (Mee Seva certificate or Certification by the DISCOMs) of all the Scheduled Castes consumers availing the benefit under the scheme, by 31st October, 2019.
- b) The DISCOMs & RESCOs shall issue (a) Distinct electricity bill to the consumers benefitting under this scheme (b) Dispatch SMS & Voice message, every month, to the consumers. (c) Take up a widespread awareness campaign under the scheme, along with the Social Welfare Department.

8. These enhanced benefit under the scheme shall come into force w.e.f. August bills payable in September 2019, as per the bill cycle of the DISCOMs & RESCOs.

9. This order is issued with the concurrence of the Finance (FMU-Welfare.I) Dept., vide their U.O.No.FIN01-FMU0PC(WEL.I)/55/2019; Dt.8.9.2019(Com No.927359).

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

MUDDADA RAVI CHANDRA
SECRETARY TO GOVERNMENT

To
The Secretary to Government,
Energy & Infrastructure Department, A.P.Secretariat, Velagapudi.
The Director of Social Welfare, A.P., Amaravati.
The Director of Tribal Welfare, A.P., Amaravati.
The CMDs of DISCOMS/RESCO.
All the District Collectors in the State.

Copy to:

The CEO, A.P. CFSS, Finance Department.
The Pay and Accounts Officer, A.P., Amaravati.
The Director of Treasuries & Accounts, A.P., Amaravati.
All JDs / DDs (SW) in the State.
All Project Officers, ITDAs in the State.
All the DDs of Tribal Welfare/ DTWOs in the State.
P.S. to Chief Secretary
P.S. to Minister for SW.
P.S. to Secretary to C.M.
SF/SC.

//FORWARDED::BY ORDER//

SECTION OFFICER

ANNEXURE - 18**G.O.RT.No.24, Dated:15-02-2019****GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

Energy Infrastructure & Investment Department - Providing of free power to Laundries run by BPL Rajaka community, free power to shops of Goldsmith, free power to MBC households - Orders - Issued.

ENERGY, INFRASTRUCTURE & INVESTMENT (POWER.I) DEPARTMENT

G.O.RT.No. 24

Dated: 15-02-2019

Read the following:

1. From the Principal Secretary to Government, BC Welfare Department. U.O. Note. No: BCW01-BCCODBCW (MISC)/ 9/ 2019, dated: 05.02.2019.
2. G.O.RT. No.15, Energy, I&I(Power. I) Department, dt.06-02-2019.

ORDER:

In the reference 1st read above, the Principal Secretary to Government, BC Welfare Department, while communicating a copy of the proceedings of the Council of Ministers held on 31.1.2019, has requested the Energy, I&I Department to provide free power to the following communities as detailed below:

- 1) The Council of Ministers have agreed to provide free power up to (150) units to laundries run by BPL Rajaka Community.
- 2) The Council of Ministers have agreed to provide free power up to (100) units to the shops of professional Goldsmith who belongs to BPL Category.
- 3) The Council of Ministers have agreed to provide free power up to (100) units to the house hold of Below Poverty Line MBC communities considering the request of the Community.
- 4) The Council of Ministers have agreed to provide free power up to (150) units to saloons run by BPL Nayee Brahmin Communities.

2. The Energy, I&I Department, vide ref.2 read above, has already been issued orders in respect of point.4 i.e., providing free power up to (150) units to Hair Cutting Saloons.

3. Government, after careful examination of the rest of the three categories, mentioned at points-1 to 3 in para.1 above, have decided and hereby approved the following:

- i. Providing free power up to (150) units to laundries run by BPL Rajaka Community.
- ii. Providing free power up to (100) units to the shops of professional Goldsmith who belong to BPL Category.
- iii. Provide free power up to (100) units to the house hold of Below Poverty Line MBC communities.

4. The BC welfare department will provide necessary budget to the Energy I&I Department for implementation of the Schemes. The Department is advised to implement the scheme under DBT mode.

5. The CMD APTRANSCO, CMD APSPDCL, CMD APEPDCL shall take further necessary action accordingly.

(P.T.O.)

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6. This order issues with the approval of Finance department vide their U.O No.FIN01-FMU0ASD(IIE)/8/2019-FMU-IIE dt.15.02.2019.

(BY ORDER AND IN THE NAME OF GOVERNOR OF ANDHRAPRADESH)

AJAY JAIN
PRINCIPAL SECRETARY TO GOVERNMENT

To:

- 1) The Chairman & Managing Director, APTRANSCO, Vijayawada.
- 2) The Chairman & Managing Director, APSPDCL, Tirupati.
- 3) The Chairman & Managing Director, APEPDCL, Visakhapatnam.
- 4) The P.S. to Prl. Secretary, to B.C Welfare Dept.

Copy To:

The P.S., to Hon'ble Chief Minister.

The P.S., to Hon'ble Minister for Energy.

The P.S., to Prl. Secretary, Energy, I&I Dept.

// FORWARDED :: BY ORDER //

SECTION OFFICER

ANNEXURE - 19

G.O.RT.No.128, Dated:29-11-2019

**GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

Power Tariff - Concession - Rolled Gold Covering Industry in Machilipatnam Division, Krishna District - Reduction to Rs.3.75 per Unit - Orders -issued.

ENERGY (POWER.I) DEPARTMENT

G.O.RT.No. 128

Dated: 29-11-2019

Read:

ORDER:

It is learnt that in Machilipatnam there is a Gold Covering hub i.e Jewellery Park with around 250 Gold Covering units/imitation jewellery units. The families dependent on these units are very poor and unable to bear energy charges of Rs.9/- per unit. It was requested to reduce the power charges from Rs.9/- to Rs.3.75 per unit for total energy consumption irrespective of slabs in the Jewellery Park.

2. Government, after careful examination of the entire matter hereby grant a tariff subsidy for Rolled Gold Industry in Machilipatnam division by reducing the energy unit rate from Rs.9.20 to Rs.3.75 with immediate effect.

3. Discoms will collect the power charges from Rolled Gold Industry at the rate of Rs.3.75 per unit and the Energy Department would transfer the subsidy amount to the DISCOM.

4. The CMDs of DISCOMS shall take further necessary action accordingly.

5. This Order issues with the Concurrence of Finance Dept Vide U.O. No. FIN01-FIIT0MGMT(IE)/1/2019-FMU-IIEIC, Computer No: 1043025.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

**SRIKANT NAGULAPALLI
SECRETARY TO GOVERNMENT**

To

The CMD, APSPDCL/APEPDCL, Tirupati/Visakhapatnam.

The CMD, APTRANSCO, Vijayawada.

The Secretary, APERC, Vijayawada.

The Principal Secretary to Govt, Industries & Commerce Dept.

Copy to:

The P.S to Hon'ble Chief Minister

The P.S to Minister, Energy, EFS&T.

The P.S to Secretary, Energy Dept.

The P.S to Principal Secretary to C.M.

The P.S to Chief Secretary to Government.

The P.S to Minister, Transport, Information & Public Relations.

SF/SC.

//FORWARDED BY ORDER//

SECTION OFFICER

ANNEXURE – 20**G.O.Rt.No.291, Dated:25-09-2018****GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

Industries & Commerce Department – Handlooms & Textiles -Free Power upto 100 Units per month per connection to Handloom Weavers in the State - Orders – Issued.

INDUSTRIES & COMMERCE (PROGRAMME-II) DEPARTMENT

G.O.Rt.No.291

*

Dated:25.09.2018

Read:

From the CH&T, Mangalagiri ,Guntur District , LR. Rc.No.2554/2018-H1, Dt: 05.06.2018.

ORDER:

The Commissioner of Handlooms & Textiles, Mangalagiri, has informed that the Hon'ble Minister for Transport, B.C. welfare and Empowerment, Handlooms and Textiles, Government of Andhra Pradesh has directed to submit a proposal on Hon'ble Chief Minister's Assurance for providing free Power upto 75 Units Per Month per service connection to Handloom Weavers in the State.

2. He has also informed that the Handloom Sector has a unique place in our economy and plays a vital role in the economic development of the rural poor. It is one of the largest economic activities providing direct employment to over 65 lakhs persons across the country after agriculture and more than 40 percent are women and majority of them are low caste and extremely poor, working in small family units. This sector contributes nearly 19 percent of the total production of the cloth produced in the country and also adds substantially to the export earnings. Most of the looms located in rural areas and primarily household activity, with mainly men involved in weaving and women involved in preparatory work. Handloom Industry is the most important ancient, traditional cottage industry in India, which is providing employment to large number of masses in rural areas and semi-urban areas. Andhra Pradesh has occupied prominent place in Indian Handloom Sector. There are about 90,765 Weavers Households in cooperative and outside cooperative fold. In respect of Cooperative fold there are 599 Weavers Cooperative Societies working in the State and one State Level Apex society i.e. Andhra Pradesh State Handloom Weavers Cooperative Society Ltd (APCO) for marketing the Handloom products.

3. The CH&T, has also informed that the tradition of weaving fabrics is age old in this State and it is in the stage of shrinking from past few decades. The glory of Handloom Industry is now fading away. The Handloom sector in Andhra Pradesh has been facing various problems. The handloom weavers are striving hard for their survival. In spite of several measures taken up by the Government by providing institutional support they have been in miserable state and migrating to other occupations due to several problems like hike in essential commodities, hike in raw Material cost, Low Wages, lack of Financial support and Marketing facility are sustaining continuous losses.

(P.T.O)

-2-

4. The CH&T has further informed that after bifurcation of the State, Government is implementing various Developmental and Welfare schemes for the benefit of Handloom weavers in the State. He has, therefore, requested the Government to issue necessary orders for according free power for 90,765 Households (as per praja saadikara survey data) in the state.

5. Government have examined the matter and hereby decided to accord free electricity up to 100 Units per month per connection for Handloom Weavers in the state. The amount shall be given as direct debit to the beneficiary to avoid leakages and ensure better satisfaction to the beneficiary.

6. The Commissioner of Handlooms & Textiles, A.P.Yerrabalem shall take necessary action accordingly.

7. This order issues with the concurrence of the Fin. (FMU. Rev.-I&C) Dept., vide their U.O.No. 58025/1/FMU.I&C/2018, Dt.10 /09/2018.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

I.SRINIVAS SRINARESH
SECRETARY TO GOVERNMENT

To

The Director of Handlooms & Textiles,
A.P.Mangalagiri, Guntur District.
All District Collectors in the state
All District Treasury Officers
The Chief Executive Officer Comprehensive
Financial management Society, Ibrahimpatnam, Vijayawada.
The Energy, Infrastructure and Investment Department.
The A.G.AP., Vijayawada
Copy to the PS to Secy. to CM/PS to M(Handlooms & Textiles)
SC/SF

//FORWARDED :: BY ORDER//

SECTION OFFICER

ANNEXURE – 21**G.O.Ms.No.94, Dated:25-07-2019****GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

Tribal Welfare Department - Enhancement of benefit for providing free power to ST Households in ST Colonies/Thandas etc consuming power from the existing 100 units to 200 Units per month in the State with an expenditure of Rs 81.11 crores - Orders - Issued.

SOCIAL WELFARE (TW.BUD) DEPARTMENT**G.O.MS.No. 94****Dated: 25-07-2019****Read the following:-**

1. G.O.Ms.No.58, Social Welfare (SCP.1) Department, Dt.2.07.2013.
2. G.O.Ms.No.80, Social Welfare (TW.Bud.1) Department, Dt.28.09.2013.
3. G.O.Ms.No.32, Social Welfare (SCP.A2) Department, Dt.28.04.2017.
4. G.O.Ms.No.143, Social Welfare (SCP.A2) Department, Dt.29-8-2018.
5. U.O.Note No.1, Cabinet.I/2019-28, G.A.(Cabinet-I) Dept., dt. 2-7-2019.

ORDER:

In the references 1st to 4th read above, Government have issued orders for payment of Electricity charges to all SC&ST households living in SC&ST colonies with monthly consumption of 0-100 units per month provided that the DISCOMS concerned give detailed consumption particulars of each beneficiary in SC&ST colonies whose monthly consumption is 1-100.

2. The Government intends to enhance free power to ST Households consuming power upto 200 units per month.

3. The Chairman & Managing Directors of APEPDCL, Visakhapatnam and APSPDCL, Tirupathi have requested the Government an amount of Rs.20.74 Crores as additional requirement apart from Rs.60.37 crores towards the expenditure of the ongoing scheme. Therefore, the total requirement is Rs.81.11 crores if free power is extended to ST House Holds consuming power upto 200 units per month.

4. Government after careful examination of the matter hereby enhance the benefit under free power to ST Households in ST Colonies/Thandas etc consuming power from the existing 100 units to 200 Units per month in the State with an expenditure of Rs 81.11 crores.

5. The Director of Tribal Welfare is permitted to incur the expenditure for the above purpose under Head of Account "2225-02-102-11-11-330/331" and he is permitted to meet the additional amount required for the purpose by reallocation within Scheduled Tribe Component 2018-19, at the appropriate time.

6. In order to ensure the proper implementation of the scheme and in order to ensure that the benefits under the scheme are availed all the eligible ST beneficiaries, Government further orders that:

- a) The concerned DISCOMs & RESCOs shall obtain and the enter in the scheme database the (a) Aadhar Number (b) Mobile Number (c) Caste Certificate (Mee Seva certificate or Certification by the DISCOMs) of all the Scheduled Tribes consumers availing the benefit under the scheme, by October, 2019.
- b) The DISCOMs & RESCOs shall issue (a) Distinct electricity bill to the consumers benefitting under this scheme (b) Dispatch SMS & Voice message, every month, to the consumers. (c) Take up a widespread awareness campaign under the scheme, along with the Tribal Welfare Department.

7. These enhanced benefit under the scheme shall come into force w.e.f. August, 2019 bills payable in September 2019, as per the bill cycle of the DISCOMS & RESCOs.

(P.T.O)

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8. This order is issued with the concurrence of the Finance (FMU-Welfare.1) Department, vide their U.O.No. FIN01-FMU0PC (WEL.I)/58/2019, DATED 9-7-2019.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

MUKESH KUMAR MEENA
SECRETARY TO GOVERNMENT

To
The Principal Secretary to Government, Energy & Infrastructure Department.
The Director of Tribal Welfare, A.P., Amaravati.
The Director of Social Welfare, AP., Tadepalli.
The CMDs of DISCOMS/RESCOs.
All the District Collectors in the State.
Copy to:
The CEO, A.P. CFSS, Finance Department.
The PAO, A.P., Amaravati.
The Director of Treasuries & Accounts, A.P., Amaravati.
All Project Officers, ITDAs in the State.
All the DDs of Tribal Welfare/ DTWOs in the State.
The P.S. to Chief Secretary
The O.S. D. to Deputy Chief Minister(TW).
The P.S. to Secretary to C.M.
The P.S. to Secretary, TW.
SF/SC.

//FORWARDED :: BY ORDER//

SECTION OFFICER

ANNEXURE – 22

G.O.Ms.No.161, Dated:15-11-2021

**File No.ENE01-COOR0IDC/1/2021-POWER-III-Part(1)GO RT/281/2021/ ENE01-
Energy**

**GOVERNMENT OF ANDHRA PRADESH
ABSTRACT**

Power Subsidy – Subsidy payable by Government of Andhra Pradesh under Section 65 of the Electricity Act, 2003 – Declaration of unit wise subsidy for different consumer categories from FY 2022 - 23 onwards – Orders – Issued.

ENERGY (POWER –III) DEPARTMENT

G.O.Rt.No.161 Dated:15.11.2021 Read:

From the Executive Director – PMD, REC Ltd., New Delhi Lr. No.
REC/PMD/GSDP/2021-22, dt: 28.10.2021
&&&&

ORDER:

Government is extending tariff concession/free power to different categories of subsidised consumers under Section 65 of The Electricity Act, 2003 based on the information furnished by the DISCOMS. In the reference above, detailed guidelines have been laid down to access the additional borrowing space of 0.5% of GSDP by Government which is linked to performance in power sector

2. After careful examination of the matter, Government have decided that henceforth Power Distribution Companies (DISCOMS) in Andhra Pradesh shall submit tariff proposals to the AP Electricity Regulatory Commission (APERC) without taking into account any Government subsidy.

3. Further the APERC is requested to notify the unit wise Government subsidy for different consumer categories as part of annual tariff order from the next financial year i.e. FY 2022 - 23 onwards.

4. The Chairman and Managing Directors of DISCOMS and Secretary APERC shall take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

SRIKANT NAGULAPALLI SECRETARY TO GOVERNMENT

To
The Chairman & Managing Director,
APSPDCL/APCPDCL/APEPDCL, Tirupat/Vijayawada/Visakhapatnam.
File No.ENE01-COOR0IDC/1/2021-POWER-III-Part(1)
GO RT/281/2021/ENE01-Energy

Drawing and Disbursing Officer, Energy department.

Copy to:

The Commission Secretary, Andhra Pradesh Electricity Regulatory Commission,
Red Hills, Singareni Bhavan, Hyderabad.

The Member-Convenor, APPCC, Vijayawada.
SF/SC. (C.No. ENE01-COOR0IDC/1/2021-POWER-III-Part(1) -Comp.No. 1547973)

// FORWARDED :: BY ORDER //

SECTION OFFICER

ANNEXURE – 23
REVENUE AT FULL COST RECOVERY TARIFFS

Category	Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	FxChrg	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL	Total
I	LT - Supply												
	(A) : Domestic (Telescopic)												
	0-30	1783.94	1927.51	1362.30	5073.75	10.00	1.90	1.90	3.37	425.03	413.46	487.98	1326.47
	31-75	1261.82	2246.26	1823.92	5332.00	10.00	3.00	3.00	4.10	504.62	757.91	817.73	2080.26
	76-125	1084.56	1162.99	1422.64	3670.19	10.00	4.50	4.50	4.76	638.43	653.16	775.36	2066.95
	126-225	828.90	955.94	748.93	2533.77	10.00	6.00	6.00	6.00	667.39	669.47	567.79	1904.65
	226-400	569.00	943.60	420.02	1932.62	10.00	8.75	8.75	8.75	558.28	853.77	427.99	1840.04
	>400	220.23	300.00	220.00	740.23	10.00	9.75	9.75	9.75	250.32	301.54	241.02	792.88
II	Commercial & Others												
	(A): Commercial												
	0-50	189.77	249.83	187.89	627.49	75.00	5.40	5.40	5.40	169.85	213.64	147.54	531.03
	51-100	93.55	128.54	109.32	331.41	75.00	7.65	7.65	7.65	94.43	121.54	102.79	318.76
	101-300	166.19	238.47	202.97	607.63	75.00	9.05	9.05	9.05	181.39	248.34	209.25	638.98
	301-500	83.02	119.75	110.86	313.63	75.00	9.60	9.60	9.60	92.44	126.69	116.82	335.95
	Above 500	419.70	517.00	352.41	1289.11	75.00	10.15	10.15	10.15	485.22	573.84	399.39	1458.45
	(iii) Advertising Hoardings	2.18	1.05	14.10	17.33	100.00	12.25	12.25	12.25	3.33	1.79	18.12	23.24
	(iv) Function Halls/Auditoriums	9.61	11.56	11.54	32.71	0.00	12.25	12.25	12.25	12.45	14.58	14.54	41.57

Category	Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	FxChrg	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL	Total
	(B): Start up power	0.00	0.30	0.28	0.58	0.00	12.25	12.25	12.25	0.00	0.38	0.35	0.73
	(C): Electric Vehicles (Evs) / Charging stations	0.26	0.10	0.09	0.45	0.00	6.70	6.70	6.70	0.20	0.08	0.07	0.35
	(D) : Green Power	0.00	0.00	0.00	0.00	0.00	12.25	12.25	12.25	0.00	0.00	0.00	0.00
III	Industry												
	(A): Industry (General)	499.87	465.16	506.92	1471.95	75.00	6.70	6.70	6.70	461.58	388.62	423.53	1273.73
	Rice Mills & Pulverising Mills (101 HP to 150 HP)	53.45	43.87	15.45	112.77	275.00	6.70	6.70	6.70	75.11	41.36	15.72	132.19
	(B): Seasonal Industries (off season)	0.80	0.64	26.67	28.11	75.00	7.45	7.45	7.45	0.72	0.50	20.56	21.78
	(D): Cottage Industries upto 10HP	45.12	2.93	2.79	50.84	20.00	3.75	3.75	3.75	22.18	1.31	1.29	24.78
	Dhobigatts	0.10	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IV	Institutional												
	(A): Utilities	681.21	322.62	227.03	1230.86	75.00	7.00	7.00	7.00	554.56	352.45	177.09	1084.10
	(B): General Purpose	92.99	86.01	82.79	261.79	75.00	7.00	7.00	7.00	84.77	80.64	67.96	233.37
	(C): Religious Places	8.73	15.67	11.22	35.62	30.00	5.00	5.00	5.00	5.50	10.43	6.58	22.51
V	Agricultural & Related												
	(A): Agriculture												
	(i) Corporate Farmers & IT Assesses	3.66	9.87	5.08	18.61	0.00	6.66	6.80	6.71	2.71	6.82	3.66	13.19
	(ii) Non-Corporate Farmers	7754.68	2699.94	2071	12525.19	0.00	6.59	6.84	6.88	5151.14	1852.41	1492.76	8496.31

Category	Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	FxChrg	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL	Total
	(iii) Salt farming units with Connected Load upto 15HP	0.50	0.37	1.53	2.40	0.00	6.60	6.80	7.00	0.37	0.26	1.13	1.76
	(iv) Sugarcane crushing	0.01	0.72	2.93	3.66	0.00	6.59	6.89	7.00	0.00	0.50	2.12	2.62
	(v) Rural Horticulture Nurseries	0.62	14.70	5.35	20.67	0.00	7.50	6.90	7.00	0.47	10.21	4.04	14.72
	(vi) Floriculture in Green House	0.06	0.05	0.00	0.11	75.00	7.00	5.00	4.50	0.04	0.04	0.00	0.08
	(B): Aquaculture and Animal Husbandry	788.47	1960.92	1127	3876.72	30.00	6.70	6.70	6.73	585.95	1355.05	812.91	2753.91
	(C): --												
	(D): Agro Based Cottage Industries upto 10HP	0.15	0.40	12.13	12.68	20.00	6.00	7.00	6.94	0.11	0.29	8.74	9.14
	(E): Government/Private Lift Irrigation Schemes	1.86	0.00	9.96	11.82	0.00	7.00	6.40	7.00	1.42	0	7.23	8.65
I	HT-Supply												
	(A): Domestic												
	(B): Townships, Colonies, Gated Communities and Villas												
	11 kV	14.36	27.16	10.21	51.73	75.00	7.00	7.00	7.00	11.63	20.10	8.13	39.86
	33 kV	4.87	12.83	2.78	20.48	75.00	7.00	7.00	7.00	3.84	9.37	2.21	15.42
	132 kV	0.00	0.00	0.00	0.00	75.00	7.00	7.00	7.00	0.00	0.00	0.00	0.00
	220 kV	0.00	0.00	0.00	0.00	75.00	7.00	7.00	7.00	0.00	0	0.00	0.00
II	Commercial & Others												

Category	Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	FxChrg	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL	Total
	(A): Commercial												
	11 kV	214.69	402.23	208.84	825.76	475.00	7.65	7.65	7.65	261.50	496.53	269.56	1027.59
	33 kV	13.44	151.07	65.25	229.76	475.00	6.95	6.95	6.95	20.96	166.89	68.51	256.36
	132 kV	23.49	28.36	0.00	51.85	475.00	6.70	6.70	6.70	24.56	39.26	0.00	63.82
	220 kV	0.00	67.33	0.00	67.33	475.00	6.65	6.65	6.65	0.00	55.92	0.00	55.92
	Commercial, ToD												
	11 kV	55.49	122.42	67.80	245.71	475.00	8.65	8.65	8.65	51.34	105.89	60.38	217.61
	33 kV	5.01	37.87	22.70	65.58	475.00	7.95	7.95	7.95	4.28	30.1	18.63	53.01
	132 kV	10.15	5.94	0.00	16.09	475.00	7.70	7.70	7.70	8.43	4.57	0.00	13.00
	220 kV	0.00	12.98	0.00	12.98	475.00	7.65	7.65	7.65	0.00	9.93	0.00	9.93
	(iv) Function Halls/Auditoriums												
	11 kV	3.04	8.77	9.96	21.77	0.00	12.25	12.25	12.25	4.00	11.07	12.63	27.70
	33 kV	0	0.00	0	0.00	0.00	12.25	12.25	12.25	0.00	0.00	0.00	0.00
	132 kV	0	0.00	0	0.00	0.00	12.25	12.25	12.25	0.00	0.00	0.00	0.00
	220 kV	0	0.00	0	0.00	0.00	12.25	12.25	12.25	0.00	0.00	0.00	0.00
	(B): Start up power												
	11 kV	0.25	0.07	0.03	0.35	0.00	12.25	12.25	12.25	0.34	0.15	0.04	0.53
	33 kV	36.60	13.38	2.75	52.73	0.00	12.25	12.25	12.25	48.13	16.46	3.58	68.17
	132 kV	6.37	2.91	0.00	9.28	0.00	12.25	12.25	12.25	8.24	3.71	0.00	11.95
	220 kV	1.61	0.24	0.00	1.85	0.00	12.25	12.25	12.25	2.08	0.31	0.00	2.39
	(C): Electric Vehicles (Evs) / Charging stations												
	11 kV	0.00	0.00	0.00	0.00	0.00	6.70	6.70	6.70	0.00	0.00	0.00	0.00

Category	Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	FxChrg	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL	Total
	33 kV	0.00	0.00	0.00	0.00	0.00	6.70	6.70	6.70	0.00	0.00	0.00	0.00
	132 kV	0.00	0.00	0.00	0.00	0.00	6.70	6.70	6.70	0.00	0.00	0.00	0.00
	220 kV	0.00	0.00	0.00	0.00	0.00	6.70	6.70	6.70	0.00	0.00	0.00	0.00
	(D): Green Power												
	11 kV	0.18	0.00	0.20	0.38	0.00	12.25	12.25	12.25	0.23	0.00	0.26	0.49
	33 kV	0.41	0.00	0.00	0.41	0.00	12.25	12.25	12.25	0.53	0.00	0.00	0.53
	132 kV	0.00	0.00	0.00	0.00	0.00	12.25	12.25	12.25	0.00	0.00	0.00	0.00
	220 kV	0.00	0.00	0.00	0.00	0.00	12.25	12.25	12.25	0.00	0.00	0.00	0.00
III	Industry												
	(A): Industrial General												
	Industry, ToD (HGD) (Feb'23, Mar'23), (Apr- May'22) & (Sep'22-Oct'22)												
	Peak (06-10) & (18-22)												
	11KV	159.71	249.42	175.48	584.61	475.00	7.80	7.80	7.80	134.18	194.55	141.35	470.08
	33KV	354.45	304.04	276.77	935.26	475.00	7.35	7.35	7.35	281.84	223.47	210.49	715.80
	132KV	367.67	159.00	76.03	602.70	475.00	6.90	6.90	6.90	275.8	109.71	54.40	439.91
	220 kV	52.59	80.96	0.00	133.55	475.00	6.85	6.85	6.85	39.19	55.46	0.00	94.65
	Off-Peak (10 -15) & (00-06)												
	11KV	228.42	341.55	243.11	813.08	475.00	5.55	5.55	5.55	139.02	189.56	139.56	468.14
	33KV	426.37	411.54	359.03	1196.94	475.00	5.10	5.10	5.10	240.32	209.88	189.95	640.15
	132KV	440.36	231.64	99.30	771.30	475.00	4.65	4.65	4.65	228.39	107.71	48.07	384.17

Category	Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	FxChrg	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL	Total
	220 kV	60.02	94.17	0.00	154.19	475.00	4.60	4.60	4.60	30.83	43.32	0.00	74.15
	Normal (15-18) & (22-24)												
	11KV	120.47	166.29	125.38	412.14	475.00	6.3	6.3	6.3	84.71	106.61	83.83	275.15
	33KV	213.84	189.40	173.98	577.22	475.00	5.85	5.85	5.85	140.74	130.38	108.50	379.62
	132KV	219.24	104.22	47.88	371.34	475.00	5.40	5.40	5.40	134.43	64.28	27.71	226.42
	220 kV	30.04	37.81	0.00	67.85	475.00	5.35	5.35	5.35	18.27	23.13	0.00	41.40
	Industry, ToD (LGD) (Jun'22-Aug'22) & (Nov'22-Jan'23)												
	Peak (06-10) & (18-22)												
	11KV	151.25	253.29	176.97	581.51	475.00	7.3	7.3	7.3	119.51	184.9	133.71	438.12
	33KV	352.38	307.75	284.96	945.09	475.00	6.85	6.85	6.85	262.57	210.81	202.47	675.85
	132KV	352.20	170.97	79.35	602.52	475.00	6.40	6.40	6.40	246.59	109.42	52.81	408.82
	220 kV	50.38	87.05	0.00	137.43	475.00	6.35	6.35	6.35	35.02	55.28	0.00	90.30
	Off-Peak (10 -15) & (00-06)												
	11KV	220.31	349.56	245.78	815.65	475.00	5.55	5.55	5.55	134.09	194.01	141.10	469.20
	33KV	409.92	401.7	371.66	1183.28	475.00	5.10	5.10	5.10	231.04	204.87	196.63	632.54
	132KV	396.31	245.93	102.83	745.07	475.00	4.65	4.65	4.65	205.54	114.36	49.78	369.68
	220 kV	53.85	100.34	0.00	154.19	475.00	4.60	4.60	4.60	27.66	46.15	0.00	73.81
	Normal (15-18) & (22-24)												
	11KV	115.16	170.06	126.35	411.57	475.00	6.30	6.30	6.30	325.43	446.74	331.46	1103.63
	33KV	200.37	184.16	178.79	563.32	475.00	5.85	5.85	5.85	437.65	406.26	326.54	1170.45
	132KV	191.19	110.39	49.58	351.16	475.00	5.40	5.40	5.40	369.90	232.34	93.75	695.99

Category	Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	FxChrg	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL	Total
	220 kV	26.13	40.22	0.00	66.35	475.00	5.35	5.35	5.35	59.29	158.65	0.00	217.94
	Industrial colonies												
	11 kV	0.07	5.42	1.20	6.69	0.00	7.00	7.00	7.00	0.05	3.79	0.87	4.71
	33 kV	1.01	1.26	11.45	13.72	0.00	7.00	7.00	7.00	0.77	0.88	8.31	9.96
	132 kV	9.16	34.74	6.31	50.21	0.00	7.00	7.00	7.00	6.96	24.32	4.58	35.86
	220 kV	0.00	38.98	0.00	38.98	0.00	7.00	7.00	7.00	0.00	27.29	0.00	27.29
	(B): Seasonal Industries												
	11 kV	6.19	14.92	2.04	23.15	475.00	7.65	7.65	7.65	11.35	20.55	3.31	35.21
	33 kV	0.21	12.97	0.65	13.83	475.00	6.95	6.95	6.95	1.04	11.80	0.62	13.46
	132 kV	0.00	0.00	0.00	0.00	475.00	6.70	6.70	6.70	0.00	0.00	0.00	0.00
	220 kV	0.00	0.00	0.00	0.00	475.00	6.65	6.65	6.65	0.00	0.00	0.00	0.00
	(C): Energy Intensive Industries												
	11 kV	1.64	0.00	0.81	2.45	0.00	5.80	5.80	5.80	1.05	0.00	0.49	1.54
	33 kV	210.94	287.82	0.00	498.76	0.00	5.35	5.35	5.35	125.57	157.43	0.00	283.00
	132 kV	405.79	1838.49	0.00	2244.28	0.00	4.95	4.95	4.95	225.29	916.62	0.00	1141.91
	220 kV	0.00	1110.90	0.00	1110.90	0.00	4.90	4.90	4.90	0.00	548.29	0.00	548.29
IV	Institutional												
	(A): Utilities												
	CPWS/PWS												
	11 kV	38.57	121.11	22.44	182.12	475.00	7.65	7.65	7.65	42.11	121.03	21.77	184.91
	33 kV	74.77	0.15	0.00	74.92	475.00	6.95	6.95	6.95	68.35	0.34	0.00	68.69
	132 kV	0.00	0.00	0.00	0.00	475.00	6.70	6.70	6.70	0.00	0.00	0.00	0.00

Category	Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	FxChrg	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL	Total
	220 kV	0.00	0.00	0.00	0.00	475.00	6.65	6.65	6.65	0.00	0.00	0.00	0.00
	(B): General Purpose												
	11 kV	42.54	28.29	36.27	107.10	475.00	7.95	7.95	7.95	52.04	37.92	40.54	130.50
	33 kV	3.51	0.80	18.83	23.14	475.00	7.25	7.25	7.25	3.93	0.58	20.81	25.32
	132 kV	0.00	0.00	0.00	0.00	475.00	7.00	7.00	7.00	0	0.00	0.00	0.00
	220 kV	0.00	0.00	0.00	0.00	475.00	6.95	6.95	6.95	0	0.00	0.00	0.00
	(C): Religious Places												
	11 kV	4.30	5.80	2.03	12.13	30.00	5.00	5.00	5.00	2.53	3.04	1.12	6.69
	33 kV	20.13	0.00	0.00	20.13	30.00	5.00	5.00	5.00	11.53	0.00	0.00	11.53
	132 kV	0.00	0.00	0.00	0.00	30.00	5.00	5.00	5.00	0.00	0.00	0.00	0.00
	220 kV	0.00	0.00	0.00	0.00	30.00	5.00	5.00	5.00	0.00	0.00	0.00	0.00
	(D) Railway Traction												
	132 kV	507.69	819.89	346.66	1674.24	350.00	5.50	5.50	5.50	408.33	561.49	249.12	1218.94
	220 kV	67.74	0.00	0.00	67.74	350.00	5.50	5.50	5.50	62.35	0.00	0.00	62.35
V	Agricultural & Related												
	(B): Aquaculture and Animal Husbandry												
	11 kV	20.56	27.88	20.72	69.16	30.00	3.85	3.85	3.85	9.61	11.27	9.02	29.90
	33 kV	0.00	0.00	0.00	0.00	30.00	3.85	3.85	3.85	0.00	0.00	0.00	0.00
	132 kV	0.00	0.00	0.00	0.00	30.00	3.85	3.85	3.85	0.00	0.00	0.00	0.00
	220 kV	0.00	0.00	0.00	0.00	30.00	3.85	3.85	3.85	0.00	0.00	0.00	0.00
	(E): Government / Private Lift Irrigation												

Category	Consumer Category	SALES, MU				Full cost Tariffs (₹/Unit)				Full cost Revenue			
		SPDCL	EPDCL	CPDCL	TOTAL	FxChrg	SPDCL	EPDCL	CPDCL	SPDCL	EPDCL	CPDCL	Total
	11 kV	11.11	18.20	42.45	71.76	0.00	7.15	7.15	7.15	8.82	18.80	31.92	59.54
	33 kV	119.93	59.67	35.03	214.63	0.00	7.15	7.15	7.15	93.11	54.07	26.00	173.18
	132 kV	354.31	0.00	0.90	355.21	0.00	7.15	7.15	7.15	274.69	0.00	0.67	275.36
	220 kV	1809.78	126.42	0.00	1936.20	0.00	7.15	7.15	7.15	1402.88	139.36	0.00	1542.24
	TOTAL(LT + HT)	25937.54	24665.48	15226.54	65829.55					18494.47	16502.06	10767.25	45763.78
						Cross Subsidy Surcharge:				118.08	60.90	29.95	208.93
						Total Full cost Recovery Revenue:				18,612.55	16,562.96	10,797.20	45,972.71

ANNEXURE – 24

MINUTES OF THE SAC MEETING



ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION

#11-4-660, 4th Floor, Singareni Bhavan, Red Hills, Khairatabad
Hyderabad 500 004 Phones: 23397 - 381, 399, 556, 656 Fax: 2339 7378

**Minutes of the State Advisory Committee's Meeting held on 28th January,
2022 at 11.00 AM from the Conference Hall of APEPDCL, Visakhapatnam
through video conferencing**

PRESENT : Hon'ble Sri Justice C.V. Nagarjuna Reddy, Chairman

Sri Thakur Rama Singh, Member

Sri P. Rajagopal Reddy, Member

Secretary (i/c)

Sri C. Ramakrishna

Members :

Sri Jogendra Behera

Sri Peravali Koti Rao

Sri Surapaneni Sri Murali

Sri P.L. Bheemesh

Sri Peddy Reddy Chengal Reddy

Sri Kandregula Venkataramana

Dr. Narasimha Reddy Donthi

Smt. Usha Ramachandra

Sri Siva Rami Reddy

Sri A. Chandrasekhar Reddy,

Sri B. Vamsi Srinivas

Sri V.S.R.K. Ganapathi

Sri B. Sai Krishna

Sri P.H. Janaki Ram

Minutes of 17th SAC Meeting Agenda

: ARR proposals for FY 2022-23

PRESENT :

Hon'ble Chairman welcomed brief and constructive suggestions from the Members on ARR proposals of the Discoms for FY 2022-23. He has remarked that none of the objectors is in favour of enhancement of tariff to any of the consumer categories. He then invited the Members to offer their views.

1. **Sri M. Sivarami Reddy** has expressed that expenditure of the Discoms is increasing and it is having impact on the tariff. When the Hon'ble Chairman queried him if he can identify the areas where the expenditure can be controlled, Sri M. Sivarami Reddy said that Capital Cost is increasing; that the projects are being implemented with high cost and therefore greater scrutiny at the approval stage is necessary. He further opined that while purchasing of meters for services, the Discoms are going for sophisticated meters with high cost which is practically not implementable and it has to be seen whether such meters can be allowed to be purchased or not. The Hon'ble Chairman opined that technological advancements are increasing the cost which is inevitable.
2. On Project **Labour** component, Sri M. Sivarami Reddy said that every year SSRs for labour component is being increased; that the Discoms are approving the SSRs at their will and pleasure and that the Commission may scrutinize the SSRs. The Hon'ble Chairman said that the CMDs of the Discoms will respond on the said aspect.
3. Adverting to Cost of Service, when Sri M. Sivarami Reddy said there is an increase in CoS at various levels & ACoS compared to previous years approved by the Commission and it has to be thoroughly examined, the Hon'ble Chairman said that having a feeling is different from suggesting/finding a remedy and wanted to know the areas where the CoS can be controlled. Sri Sivarami Reddy opined that cost of establishment charges is increasing in the form of payscales of employees. The Hon'ble

Chairman said that such expenditure is inevitable. Hon'ble Chairman has given liberty to Sri M. Sivarami Reddy to file written notes also.

4. **Smt. Usha Ramachandra** expressed the opinion that the Revenue Gap is more and that the provision of subsidy for agriculture sector through budgetary transfer is not mentioned in the highlights. She has also said there is no clarity on the costs on account of wage revision and enquired if it is going to be dealt with in true up exercise.
5. **Dr. Narasimha Reddy Donthi** said that it is good that surplus power is reduced and net availability & despatch are balanced when compared to last year; that APCPDCL is proposing high purchases viz., D to D purchases (may be Discom to Discom purchases); that on the whole, it is a good plan of reduction of surplus, but short term purchases continue to be a cause for concern.
6. That he has studied the ARR proposals taking the figures of the last three years as benchmark; that the Income-Expenditure balance is not being followed in ARRs; that in APSPDCL during 2018-19 it went in negative and in the two subsequent years, it is in positive. That during 2020-21 APCPDCL has shown surplus upto September; that Power purchases costing is not clear; that in respect of APEPDCL also expenditures are not clear including subsidies and that without these calculations, tariff cannot be finalised.
7. Adverting to Revenue Gap, he said that the same has increased; that major component is Revenue from Government; Discoms received about 45,000 cores for 7 years period, but there are no details of distribution of the amount among Discoms. That there are Receivables of 70,184 crores from the Government without any details as to the apportionment across Discoms and that therefore Revenue Gap cannot be clearly arrived at. That Rs.54,000 cr has been promised by Government, but its allocation is not reflected in ARRs. Similarly, Year-wise Released and Receivables are not being shown in balance sheet and the same influences the calculations.

He has further said that the Government beneficiaries segregation is also not shown in the ARRs and similarly, data relating to subsidy division and number of connections is also not available. He said that he will send his further views in writing also.

8. **Sri Koti Rao Peravali** said that CoS should be decreased. When the Hon'ble Chairman wanted to know the ways to decrease the CoS, he said that O&M Charges can be reduced; that due to lack of proper maintenance, failure of DTrs has become a regular affair and that maintenance at regular intervals of 3-4 months coupled with load balancing may be considered. That Earthing fault and no fuse protection are the main reasons for DTr failures. He has also opined that Industries have to increase their energy consumption. Referring to Textile industry, he said that the same is a 24x7 industry and operates with 80% PLF and above; that Andhra Pradesh has become a hub of textile industry on par with Tamilnadu; that this industry will consume 30% of power and therefore increase in power cost will impact the industry.
9. Adverting to ToD, he opined that changes in this regard will impact the industries and increase the cost by about 10 ps per unit. He has therefore requested not to change ToD.
10. Replying to HT categorization introduced by proposing 11 kV tariff where the CMD is less than 1500 KV in respect of 33 kV connections, he said that the same is unreasonable; that 33 kV will be preferred for voltage stabilization with no power interruptions; that Line cost and allied expenses will be more for 33 kV; that CoS and Line losses will be more in 11 kV and since Energy saving in 33 kV will be more in the long run, industries must be encouraged to switchover to 33 kV. That viewed in this angle, imposing of 11 kV tariff on 33 kV consumers is not proper.
11. He further opined that the proposal that if the CMD is above 2500 KVA, supply at 33 kV is a must or levying 10% on demand charge and 10% on energy charges as penalty, is contradictory because while the Commission is encouraging the consumers having high consumption to opt for higher voltage connections but at the same time it is proposed to levy 11 kV tariff or penalties on those consumers having relatively less consumption at such high voltages.
12. With regard to Grid Support charges, Sri Koti Rao expressed the view that such changes may be levied on captive industries as such industries which will not be paying wheeling charges, SLDC charges and transmission charges, but they draw energy whenever they require from the Discoms.

However, the Grid Support charges may be levied on the energy drawn instead of on contracted demand.

13. With regard to the proposal to levy Grid Support charges on NCE generators, Sri Koti Rao opined that the NCE generators pay OA charges, energy charges, transmission charges, SLDC charges, wheeling charges and reactive power charges and therefore the Grid support charges may not be levied on them.
14. Adverting to levy of interest @ 18% in cases of delay in paying the Security Deposit, Sri Koti Rao said that such high rate of interest is being collected since 10 to 15 years when Banks' interest rates were around 20%, but since the present bank rates have come down to around 8 to 10%, 12% interest for delay in paying the Security Deposit may be fixed.
15. While making a suggestion on reduction of CoS, Sri Koti Rao said that the consumers below 10 KW are not in KVAH billing method but they are being billed in KWH. Therefore in sub-stations capacitor shall be maintained; PF shall be maintained. Further, fitting of capacitors to agricultural feeders must be ensured to avoid energy losses and that repairs or replacement of capacitors must be undertaken scrupulously.
16. He has further brought to the notice of the Commission that Discom is paying Transco on KVAH basis but it is billing its consumers on KWH basis, leading to unnecessary expenditure.
17. He has further opined that since the length of LT line is proportional to resistance and line losses, line length may be considered.
18. He has further suggested that installation of Energy Meters for agricultural connections must be made mandatory. However, the farmers are against this. But, in the light of the importance of Energy audit to know the procurement and distribution status, Energy Meters to agricultural connections must be installed.
19. He has also said that in some Rural areas metering of street lights is not done and that it must be ensured.
20. He has opined that as Man-hours are becoming costlier, he has suggested that pre-meter billing method may be adopted to reduce service cost by obviating the need for going around every consumer for issuing bills and collecting the energy charges. He said that in Tamil Nadu, even industries are billed on-line which is saving time and expenditure.

21. Reacting on the proposed tariffs for different voltage levels, he said that at 11 kV tariff is proposed at Rs. 6.30 per unit; at 33 kV @ Rs.5.80/- per unit and at 132kV @ Rs.5.40 ps per unit; that the difference between 33 kV and 132 kV is 40 ps and that it may be further reduced to 20 ps.
22. Finally, Sri Koti Rao opined that Generation tariff regulations require amendments, for, if certain specifications in generation stations are amended viz., coal/heat ratio etc., Discoms will benefit.
23. **Sri Kandregula Venkataramana** while referring to the functioning of the RESCOs, pointed out that without any kind of approval from the Commission, the RESCOs have supplied power at the Discoms' rates resulting in a loss of Rs.600 cr and there is no one to take responsibility for the loss and therefore, the Commission may enquire into the same. Relating to the creation of another category of LT consumers whose consumption is less than 30 units, he said that the same is not reasonable.
24. The Hon'ble Chairman said that since 20 years or so the tariff for domestic consumers has been the same; that no other State except one or two is supplying power to domestic consumers @ Rs1.45 ps. per unit; that the Discoms are in huge losses and their existence is at stake and that they must be supported;
25. **Sri P. Chengal Reddy**, remarked that Solar Roof top notification has been issued by the Government of India recently and in the said scheme, subsidy will be given by the Government. Therefore, such initiatives/programmes of the Government need to be publicised extensively for the benefit of consumers.
26. Submitting his views on Transformers failures, Sri P. Chengal Reddy said that the maintenance is not systematic; that maintenance/overhauling record should be maintained for DTrs; that most of the farmers are not aware of the availability of the Toll Free number for submitting the complaints in this regard and that the same needs to be publicized through Panchayats, Self Help Groups etc. Commenting that the Collectors are delaying the implementation of the orders of the Commission passed in compensation matters, Sri P. Chengal Reddy complained that the TRANSCO is also responsible for the delay in implementing the orders of the Collectors. He said that despite the orders of the Commission and the orders passed by the

Collectors, TRANSCO is neglecting payment of compensation; that the TRANSCO needs to mend its attitude; that the TRANSCO is under the impression that it is working under Government which is not correct; that the TRANSCO being a licensee under the Electricity Act 2003, it is a business organisation and answerable to the Commission but not to the Government and that therefore there is a need for issue of guidelines by the Commission to TRANSCO for the latter to abide by law and Commission's orders.

27. He also commented that the officials of the Discoms are under the mistaken notion that they are supplying power to agriculturists free of cost and behaving with them disrespectfully, which is not correct.
28. The Hon'ble Chairman said that the Commission is following up with the Discoms on their performance and getting reports and issuing directions to the concerned. He also said that the short-comings in the functioning of the Discoms on any aspect may be brought to the notice of the Commission for taking appropriate action in rendering timely service to the consumers. He said that there is no question of shielding the Discoms' staff for failing to perform their legitimate duties and that the Commission is trying its best to improve performance of the Discoms.
29. The Hon'ble Chairman remarked that there is a lot of change in the process of resolution of disputes relating to payment in compensation cases; that due to the Commission's intervention, Collectors are now acting promptly in passing orders and the same is acknowledged by Sri P. Chengal Reddy.
30. Referring to KUSUM scheme, Sri Chengal Reddy said that the same is defective and that he has also given a representation in this regard to the Commission. The Hon'ble Chairman replied that the Commission held discussions on the representation and resolved to appropriately advise the Government. He has further said that as the KUSUM scheme is not favourable to farmers, the Commission is devising methods and appropriate formulae to make it attractive and that appropriate recommendations for modification of the scheme will be made.
31. **Sri Chandasekhar Reddy** said that there are huge arrears from the Government to be paid to Discoms. In reply, the Hon'ble Chairman said that the Commission has been writing to the Government on this periodically and there is improvement in the situation.

32. Sri Chandrasekhar Reddy, shared his experience of studying and observing old pump sets at Mallala Lift irrigation project along with his team. He said that there are Rs.350 cr arrears to be paid to APSPDCL; that ESCROW MODEL may be implemented with Municipal Administration, RWS and Panchayat Raj or Lift Irrigation Departments for energy efficient motors and pumpsets; that in ESCROW MODEL govt need not pay anything; that the said model was implemented in TTD with Tata Power and that the revenue earning has increased to Rs.3 cr. He said that the ESCROW model is cost effective and reduces power purchase cost also. He thanked the Commission for endorsing Rs.3300 cr for projects and operational expenditure to APSEEDCO and requested the Commission for issue of instructions for releasing the remaining amount.
33. **Sri Jogendra Behera**, has acclaimed the Discoms for being able to increase the volume of power procurement and optimize their costs in the past years. He felt that flexibility in procuring power based on dynamics of market is necessary to the Discoms instead of approval based procurement.

Response of CMD, APEPDCL :

34. Clarifying on DBT, the CMD said that the same does not involve high cost and that the same was approved in the judicial review also. That every tender process where the value is above Rs.1 cr was undertaken transparently and reverse tendering process is implemented for obtaining least price without compromising on quality of materials. Responding to the view of Sri M. Sivarami Reddy that CoS is increasing on account of high SSRs of Labour component, he said that compared to 2016-17, the cost of Labour component is lower in the present SSRs.
35. While replying to the comments advanced by Sri Kandregula Venkataramana on RESCOs, he said that Kasimkota and Cheepurupalli RESCOs have been merged in Discoms w.e.f. 1st September 2021 and that in respect of Kuppam RESCO, the Government has given some time for its merger. He said that about Rs.90 crore revenue was received from Kasimkota and Cheepurupalli RESCOs so far. He explained that as license was not extended to Cheepurupalli and Anakapalli RESCOs, the energy rates as per the RSTO for FY 2019-20 were directed to be adopted for 2020-21 also and accordingly the same rates were implemented by the Discom.

36. Replying to the criticism on levying Grid support charges, the CMD explained that once a generating station is synchronized to the Grid any fluctuation/changes will affect the Grid and therefore there is justification for levy of Grid Support Charges.
37. Adverting to Roof Top Solar project, the CMD said that the Discom is working on it and it is in the implementation process.
38. Reacting to the criticism that Receivables and payables from the Government are not shown in the accounts, the CMD said that the dues from the government have been incorporated and he assured that the same will be shown cumulatively from next year.
39. Replying to the issue of DTr failures, the CMD said that complaints are being taken from the consumers on-line and attending to them promptly and barring one or two instances, the service of the Discoms in this regard is satisfactory.

Response of CMD, APCPDCL

40. The CMD of APCPDCL, while replying to the objections of Sri Koti Rao on charging 11 kV tariff for 33 kV consumers where the contracted load is less than 1500 KVA, he said that though the expenditure for 33 kV is 30% more, there are many advantages like tariff, voltage stabilization, less interruptions, and the chances of going for OA. He further said that due to improper equipment maintenance at 33 kV potential, there will be frequent tripping and breakdowns and consequential loss to the Discoms and hence he has justified the proposed levy.
41. Replying to levy of 18% interest on delay in depositing the Security Deposit, the CMD said that the Discoms do not intend to collect the said interest by way of revenue generation, but only to ensure collection of CC chargers without delay so that the Discoms can make payments for short term purchases from IEX from the overall revenues.

17th SAC Minutes - Response of CMD, APSPDCL

42. Replying to the views of Sri M. Sivarami Reddy on cost factor, the CMD, APSPDCL, said that the Discom is not undertaking High cost projects and that any project implemented is with the approval of the Commission. He further said that the expenditure relating to smart-metering is borne by the Government and the Discoms are not meeting any expenditure on it. Replying

on Labour cost component, the CMD stated that SSRs as approved by R&B Department from time to time are being followed by the Discoms and he further clarified that the SSRs in the Electricity sector are lower than in other States.


43. Replying to the concern expressed on increase of Establishment costs, the CMD stated that the same is related to Pay Revision and subject to Government orders. He has commended the services of electricity employees as no serious complaints with regard to quality of service have been raised during the ARR hearings.
44. In reply to Smt. Usha Ramachandra on subsidies through budgetary transfer to match ARRs, the CMD stated that the Commission is constantly pursuing with the Government for release of subsidies and that he has recalled that during the ARR hearings, the Government's representative also promised to take it into account.
45. Replying to the query on inclusion of subsidies and government sponsored schemes in the budgetary provisions, the CMD stated that every Government scheme is mandatorily included in budgetary provisions and that the latest RJC scheme has been approved by cabinet with financial commitment. He has expressed the hope that hereafter the subsidies promised by the Government will be released as promised by it.
46. Replying to the views of Dr. Narasimha Reddy Donthi on Discom to Discom sales, the CMD said that out of the total power, ratio has been fixed by the Government among the three Discoms i.e., 40.44% for SPDCL; 23.34% for CPDCL and 36.32% for EPDCL; that the Discom to Discom sale is on the highest cost transfer basis and that there is no scope for any complaint in this regard.
47. Replying to the views of Sri Peravali Koti Rao, the CMD said that the DTr failures are in downtrend because of the steps taken. With regard to fuse protection of the DTrs, he said that APCPDCL has taken some steps in this regard by installing MCBs and that the other two Discoms also will implement it.
48. On the suggestion of installing pre-paid meters to reduce CoS, the CMD said that due to the expenditure involved, this is not possible at present and that it will be implemented in the coming years. He has also assured that Online

billing as in the case of EPDCL will be implemented by the other two Discoms in coming years.

49. Replying to the views of Sri P. Chengal Reddy on the DTr failures, the CMD replied that SoP norms as framed by the Commission are being strictly followed. He further said that in urban areas DTr failures should be resolved within 24 hours and in rural areas, within 48 hours. While acknowledging concern expressed that there are some lapses at the ground level, he said that 1912 Toll free Number with sufficient lines is being maintained by all the Discoms round the clock with sufficient lines; that CMDS are supervising and employing rolling staff to replace/repair the failed DTrs and that where complaints on DTrs failures are received, until the complaint is resolved, it will be in active status and it is only after taking feedback from the complainant/consumer, the complaints are being closed. He has further said that the Commission is concentrating on this problem and getting data and reports everyday from Discoms and that the DTr failures are on the downtrend except in cases of floods etc.
50. On the issue of delays in payments in compensation cases by Transco, the CMD said that due to the Commission's intervention, the situation has improved now and he assured that the Discoms also will pursue with the Transco for ensuring timely release of payments.
51. On the issue of consumer orientation, the CMD said that meetings with consumers at Circle/Division level were conducted previously on every Monday and Thursday and that after the introduction of Spandana program, it is being undertaken at District centers either Thursday or Friday.
52. Replying to Sri Chandrasekhara Reddy, the CMD has applauded the measures taken by APSEEDCO in installation or replacement of capacitors and old motors in the Government sponsored schemes. He has stated that the same would reduce the energy losses and in turn reduce the dues payable to the Discoms.
53. The CMD also said that in EHT sub-stations where PF is less than 0.95, capacitors banks are being installed; and that in DBT scheme, it is made mandatory that every motor is fixed with capacitor of appropriate capacity and that a condition has been included in the tender conditions that the capacitors shall be maintained by the contractors with a 5 years guarantee.

54. Lastly, the Hon'ble Chairman thanked the SAC members for participating in the deliberations for rendering their valuable suggestions. He assured that the Commission will consider the suggestions of all the stakeholders and try to arrive at the best possible tariff order. He has also welcomed brief notes from the Members who have not put forth their views during the meeting. The meeting concluded with a vote of thanks by the Commission Secretary.

(As approved by the Hon'ble Commission)


Commission Secretary

