



ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
4th Floor, Singareni Bhavan, Red Hills, Hyderabad - 500 004

WEDNESDAY, THE FIRST DAY OF MARCH
TWO THOUSAND AND TWENTY THREE
(01.03.2023)

Present

Justice C. V. Nagarjuna Reddy, Chairman
P. Rajagopal Reddy, Member
T. Rama Singh, Member

**In the matter of pass-through of Fuel & Power Purchase Cost
Adjustment (FPPCA)**

in

First Quarter of FY 2021-22

O.P.No.102 of 2021

Eastern Power Distribution Company of Andhra Pradesh LimitedPetitioner

O.P.No.103 of 2021

Southern Power Distribution Company of Andhra Pradesh LimitedPetitioner

O.P.No.104 of 2021

Andhra Pradesh Central Power Distribution Corporation LimitedPetitioner

Second Quarter of FY 2021-22

O.P.No.13 of 2022

Southern Power Distribution Company of Andhra Pradesh LimitedPetitioner

O.P.No.19 of 2022

Eastern Power Distribution Company of Andhra Pradesh LimitedPetitioner

O.P.No.20 of 2022

Andhra Pradesh Central Power Distribution Corporation LimitedPetitioner

Third Quarter of FY 2021-22

O.P.No.28 of 2022

Southern Power Distribution Company of Andhra Pradesh LimitedPetitioner

O.P.No.29 of 2022

Eastern Power Distribution Company of Andhra Pradesh LimitedPetitioner

O.P.No.30 of 2022

Andhra Pradesh Central Power Distribution Corporation LimitedPetitioner

and

Fourth Quarter of FY 2021-22

O.P.No.46 of 2022

Southern Power Distribution Company of Andhra Pradesh LimitedPetitioner

O.P.No.47 of 2022

Eastern Power Distribution Company of Andhra Pradesh LimitedPetitioner

O.P.No.48 of 2022

Andhra Pradesh Central Power Distribution Corporation LimitedPetitioner

1. In terms of the second amendment to APERC Regulation 4 of 2005 (Terms and conditions for determination of tariff on Wheeling and Retail Sale of Electricity) Regulation, 4 of 2021, APEPDCL, APSPDCL, and APCPDCL (**For short “the DISCOMS” or “the petitioners”**) have filed petitions on 30.09.2021 for pass-through of Fuel & Power Purchase Cost Adjustment (**For short ‘FPPCA’**) for the first quarter (April 21 to June 21) of FY 2021-22. These petitions have been registered as O.P.No.102 of 2021, O.P.No.103 of 2021, and O.P.No.104 of 2021 respectively.
2. The Public Notice and the petitions of the DISCOMS were placed on the website of the Commission on 11-11-2021 inviting objections/views/suggestions from the interested persons/stakeholders and informing them that the public hearing on these petitions would be held on 08-12-2021 through web hearing. The DISCOMS were directed to publish a summary of the filings in One (1) English daily newspaper in English and One

(1) Telugu daily newspaper in the Telugu language with wide circulation in the licensed area. The DISCOMS were also directed to upload their filings in pdf format on their respective official websites before issuing the public notice in the newspapers. Accordingly, the Public Notice in the prescribed format on Filings of petitions of APSPDCL, APEPDCL, and APCPDCL was published in Sakshi (Telugu) daily newspaper in Telugu language & in Indian Express (English) daily newspaper in the English language on 17-11-2021. The Commission heard these petitions on 08-12-2021, 09-02-2022, and 23-03-2022.

3. The DISCOMS filed FPPCA petitions for the second quarter (July 21 to September 21) of FY 2021-22 on 31.12.2021, and these petitions have been registered as O.P.No.13 of 2022, O.P.No.19 of 2022 and O.P.No.20 of 2022. The Public Notice and petitions of the DISCOMS were placed on the website of the Commission on 11-02-2022 & 22.02.2022 inviting objections/views/suggestions from the interested persons/stakeholders and informing them that the public hearing on these petitions would be held on 23.03.2022 through web hearing and heard accordingly.
4. During the hearing on 23.03.2022, Sri. M. Venugopala Rao, learned objector submitted that in the wake of the Judgement dated 15.03.2022 of the Hon'ble High Court of Andhra Pradesh relating to the review of NCE PPAs, additional liability arose for the petitioners and that it would be appropriate to revise the claims of the petitioners with reference to such additional liability. Sri. R. Shiva Kumar and Sri. Shreekant Vijay Dhuri, the learned objectors who were present during the hearings have also endorsed the said submission of Sri. M. Venugopala Rao. Accordingly, Sri P. Shiva Rao learned counsel for the DISCOMS agreed to revise their claims in all the FPPCAs' OPs pertaining to quarters one and two of FY 2021-22. The Commission granted four weeks'

time for filing the revised claims with a direction to the Commission's office to put the revised claims on its website upon receipt. The Commission also granted four weeks time for the objectors to file their objections from the date of publication on the website and two weeks for further responses by the petitioners.

5. The DISCOMS have also filed FPPCA petitions on 17.03.2022, 21.03.2022, and 21.03.2022 respectively for the third quarter of FY 2021-22 (October 21 to December 21) and these petitions have been registered as O.P.No.28 of 2022, O.P.No.29 of 2022 and O.P.No.30 of 2022 respectively. The Public Notice and petitions of the DISCOMS were placed on the website of the Commission on 06.04.2022 inviting objections/views/suggestions from the interested persons/stakeholders and informing them that the public hearing on these petitions would be held on 15.06.2022 through web hearing.
6. As per the directions of the Commission dated 23.03.2022, the DISCOMS have filed Revised FPPCA petitions on 31.05.2022, 06.06.2022, and 09.06.2022 respectively for the first, second, and third quarters of FY 2021-22.
7. The DISCOMS filed FPPCA petitions on 30.06.2022 factoring the effect of the Hon'ble High Court Judgment dated 15.03.22 for the fourth quarter of FY 2021-22 (January 22 to March 22) and these petitions have been registered as O.P.No.46 of 2022, O.P.No.47 of 2022 and O.P.No.48 of 2022. The Public Notice and petitions of the DISCOMS were placed on the website of the Commission on 10.08.2022 inviting objections/views/suggestions from the interested persons/stakeholders and informing them that the public hearing on these petitions would be held on 07.09.2022 and was accordingly held.

8. The petitions for the first & third quarters came up for final hearing on 06.07.2022 in the presence of Sri P. Shiva Rao, learned Standing Counsel for the petitioners, Sri A.V.L.K.Jagannadha Sarma, OSD, APPCC, and Rajasekhar Reddy, DE, APSPDCL for the petitioners and Sri Shiva Kumar, Sri Vijaya Gopala Reddy, and Sri M.Venugopal Rao, learned Objectors.
9. The petitions for the second quarter came up for final hearing on 26.10.2022 in the presence of Sri P. Shiva Rao, learned Standing Counsel for the petitioners, Sri Vijaya Gopala Reddy, and Sri M.Venugopal Rao, learned Objectors.
10. The petitions for the fourth quarter came up for final hearing on 02.11.2022 in the presence of Sri P. Shiva Rao, learned Standing Counsel for the petitioners, Sri Vijaya Gopala Reddy, and Sri M.Venugopal Rao, learned Objectors.
11. All the petitions are similar in nature and they relate to the same financial year of 2021-22. Hence they are considered together under a common order. Accordingly, after carefully considering the material available on record, and after hearing the submission of the learned counsel for the petitioners, and the objectors the Commission passes the following:

COMMON ORDER

Filings

12. The summary of the original claims and revised claims for the first, second, and third quarters, and the claim for the fourth quarter of FY 2021-22 as filed (Annexure-II to XIII) by the DISCOMS are placed below.

Original claims for First Quarter (Q1):

DISCOM	Approved Power purchase cost (Rs.Cr)	Actual Power purchase cost (Rs.Crs)	Approved energy dispatch (MU)	Actual energy dispatch (MU)	Base Weighted average Power Purchase Cost per unit(Rs.)	Actual Weighted average Power Purchase Cost per unit (Rs)	FPPCA (Rs./Unit) = (APPC-BP PC)/(100-Loss%)
APSPDCL	2694.29	2811.87	6144.20	6613.58	4.39	4.25	-0.1484
APEPDCL	2929.68	2900.92	6476.52	6420.92	4.52	4.52	-0.0061
APCPDCL	1835.10	1838.93	3947.41	4025.85	4.65	4.57	-0.0907

Revised claims of for the First Quarter (Q1):

DISCOM	Approved Power purchase cost (Rs.Cr)	Actual Power purchase cost (Rs.Crs)	Approved energy dispatch (MU)	Actual energy dispatch (MU)	Base Weighted average Power Purchase Cost per unit(Rs.)	Actual Weighted average Power Purchase Cost per unit (Rs)	FPPCA (Rs./Unit) = (APPC-BP PC)/(100-Loss%)
APSPDCL	2694.29	3233.39	6144.20	6726.92	4.39	4.81	0.4688
APEPDCL	2929.67	2990.71	6476.52	6522.77	4.52	4.59	0.0670
APCPDCL	1835.10	1897.81	3947.41	4092.20	4.65	4.64	-0.0126

Original claims for the Second Quarter (Q2):

DISCOM	Approved Power purchase cost (Rs.Cr)	Actual Power purchase cost (Rs.Crs)	Approved energy dispatch (MU)	Actual energy dispatch (MU)	Base Weighted average Power Purchase Cost per unit(Rs.)	Actual Weighted average Power Purchase Cost per unit (Rs)	FPPCA (Rs./Unit)
APSPDCL	2718.31	2757.23	6561.73	6798.29	4.14	4.06	-0.0964
APEPDCL	2756.21	2915.83	6088.83	6291.65	4.53	4.63	0.1174
APCPDCL	1827.53	1835.15	4053.47	3931.56	4.51	4.67	0.1780

Revised claims for the Second Quarter (Q2):

DISCOM	Approved Power purchase cost (Rs.Cr)	Actual Power purchase cost (Rs.Crs)	Approved energy dispatch (MU)	Actual energy dispatch (MU)	Base Weighted average Power Purchase Cost per unit(Rs.)	Actual Weighted average Power Purchase Cost per unit (Rs)	FPPCA (Rs./Unit)
APSPDCL	2718.31	3372.99	6561.73	6798.29	4.14	4.96	0.9084
APEPDCL	2756.21	3095.46	6088.83	6291.65	4.53	4.92	0.4283
APCPDCL	1827.52	1940.47	4053.47	3931.56	4.51	4.94	0.4775

Original claims for the third Quarter (Q3):

DISCOM	Approved Power Purchase Cost (Rs. Cr)	Actual Power Purchase Cost (Rs.Cr)	Approved Energy Dispatch (MU)	Actual Energy Dispatch (MU)	Base weighted power Purchase cost per Unit(Rs)	Actual Weighted average power purchase cost per unit(Rs)	FPPCA (Rs/Unit)
APSPDCL	2967.71	2637.87	6788.32	5553.14	4.37	4.75	0.4209
APEPDCL	2753.71	2954.55	5943.62	5985.52	4.63	4.94	0.3301
APCPDCL	1891.42	1865.86	4112.55	3725.95	4.60	5.01	0.4569

Revised claims for the third Quarter (Q3):

DISCOM	Approved Power Purchase Cost (Rs. Cr)	Actual Power Purchase Cost (Rs.Cr)	Approved Energy Dispatch (MU)	Actual Energy Dispatch (MU)	Base weighted power Purchase cost per Unit(Rs)	Actual Weighted average power purchase cost per unit(Rs)	FPPCA (Rs/Unit)
APSPDCL	2967.71	2804.01	6788.32	5553.14	4.37	5.05	0.7536
APEPDCL	2753.71	2996.25	5943.62	5985.52	4.63	5.01	0.4059
APCPDCL	1891.42	1890.75	4112.65	3725.95	4.60	5.07	0.5318

The claims for the fourth Quarter (Q4):

DISCOM	Approved Power Purchase Cost (Rs. Cr)	Actual Power Purchase Cost (Rs.Cr)	Approved Energy Dispatch (MU)	Actual Energy Dispatch (MU)	Base weighted power Purchase cost per Unit(Rs)	Actual Weighted average power purchase cost per unit(Rs)	FPPCA (Rs/Unit)
APSPDCL	3146.58	3509.31	7392.57	6726.79	4.26	5.22	1.0682
APEPDCL	2843.29	3463.58	6231.44	6541.76	4.56	5.29	0.7968
APCPDCL	1992.39	2057.38	4015.26	3842.03	4.96	5.35	0.4394

13. The relevant regulatory provisions referred to by the DISCOMS in their filings are placed below:

“ Clause Nos.3 & 4 of Regulation No.4 of 2021 reads as follows.

Clause 3: Sub-clause 12.4 in the Principal Regulation shall be substituted with the following:

”The Distribution Licensee shall be entitled to recover from or refund to the consumers, as the case may be, the FPPCA (Fuel and Power Purchase Cost Adjustment) as approved by the Commission from time to time either suo-motu or based on the filings made by the Distribution Licensee.”

Clause 4: The following sub-clause shall be inserted after sub-clause 12.4 in the Principal Regulation.

“12.5. FPPCA(Fuel and Power Purchase Cost Adjustment)

Within two months from the end of every quarter, the Distribution Licensee shall file an application for FPPCA for that quarter before the Commission. The filing shall be accompanied by purchase details source-wise for the quarter along with the monthly breakups duly certified by the auditor as per the format annexed to this Regulation. If the Distribution Licensee is unable to file the FPPCA within two months, it may file the same within a further grace period of up to one month. After examining the request of the Distribution Licensee, the Commission may entertain the claims, if it is satisfied with the reasons submitted by the Distribution Licensee for the delay in the filings. For any wrong information furnished by Distribution Licensee, penalties will be levied on it by the Commission.

The Commission, after a prudent check of the filings and due public consultation process, will issue an order determining the FPPCA for that quarter in accordance with the following formula.

Formula: $FPPCA = (APPC - BPPC) / (100 - \text{Loss in } \%)$

Where,

FPPCA = Fuel & Power Purchase Cost Adjustment in Rs/unit up to 4 decimal places

APPC = The actual weighted average power purchase cost per unit of energy, which shall be arrived at as the actual total power purchase cost (including

the transmission & scheduling costs) in Rs. Million that is allowed by the Commission after prudent check for the quarter for which the Distribution Licensee is seeking 'FPPCA divided by the actual quantum of power purchases in Million Units made by the Distribution Licensee from the sources approved by the Commission for that quarter.

BPPC = The base weighted average power purchase cost per unit of energy, which shall be arrived at as the total power purchase cost approved by the Commission in Rs. Million (including the transmission & scheduling costs) in the RS TO (Retail Supply Tariff Order) for the quarter for which the Distribution Licensee is seeking 'FPPCA divided by the total quantum of energy in Million Units approved by the Commission in the RS TO for the Distribution Licensee for that Charter.

Loss in % = The weighted average Transmission and Distribution losses (%) approved by the Commission for the Distribution Licensee for the quarter for which the Distribution Licensee is seeking 'FPPCA' or actual weighted average Transmission and Distribution losses (%) for the corresponding quarter of the previous year for that Distribution Licensee, whichever is lower."

14. As per Clause 4 of the Regulation, the DISCOMS have enclosed the variation statements of each Station for energy dispatch, fixed cost, variable cost, incentive, income tax, etc., in the format specified duly certified by the auditors and furnishing the reasons for the delay.
15. The DISCOMS have also stated in their filings that
 - A. The D to D settlements were carried out on yearly basis for FY 2020-21, and not on a quarterly basis. Hence the T&D loss computed for the entire year was considered for the quarter.
 - B. They propose to levy the FPPCA amounts of each quarter on the consumers in three equal instalments.
 - C. They will claim the FPPCA amounts pertaining to the free power categories (Agriculture) of each quarter from the Govt. of A.P.
16. APCPDCL specifically quoting the Commission's order dated 30-03-2022

(Retail Supply Tariff Order for FY 2022-23), included the full details of variations in the FY 2019-20 adjustments in PP Cost of FY 2020-21 along with the auditor certificate in the FPPCA proposal for the fourth quarter of FY2021-22 duly certified by the auditor for taking an appropriate decision by the Commission.

Objections/Views/Suggestions on filings, and the Responses of the DISCOMS

17. In response to the public notices, views/objections/suggestions from many individuals/organizations have been received. The list of Objectors who submitted written submissions is enclosed as Annexure I to this Order. All the relevant objections in brief with regard to the revised claims and the DISCOMS' responses to the same are discussed ignoring the objections on original filings which are redundant.
18. The Common objections relating to filings of all quarters and the DISCOMS responses for the same are detailed hereunder:

Sri M.VenuGopala Rao (for short MVGR) & Others, Andhra Pradesh Textile Mills Association (**for short APTMA**), The Federation of Andhra Pradesh Chambers of Commerce and Industry (**for short FAPCCI**), and Andhra Pradesh Ferro Alloys Producers Association (**for short APFAPA**) and others have stated that as per Clause 12.5 of Regulation 4 of 2021, the DISCOMS shall file the applications for FPPCA within two months from the end of every quarter before the Commission. But the same was not followed by the DISCOMS. Further, the DISCOMS have also not filed the revised FPPCA filings for the first, second, and third quarters of FY 2021-22 within the time granted by the Commission. That the delay in filing the FPPCA petitions is a serious issue, and APTMA and FAPCCI requested the Commission to disallow the claims filed by the DISCOMS.

DISCOMS' Response: The FPPCA applications for all quarters have been filed within the grace period as per regulation. The reasons for the delay of revised filings are due to auditors' certification for revised costs consequent to Hon'ble High Court's judgment and administrative which are submitted to the Commission. Hence the request of the objectors is not justified.

The South India Cement Manufacturers Association (for short SICMA), FAPCCI, APTMA, and MVGR have stated that the regulation specifies lower of the T & D losses approved by the Commission for the period being considered, as approved in the Tariff order and the actual weighted average T&D loss % in the corresponding quarter of the previous year. However, the DISCOMS have not submitted any documentary evidence certifying the actual T&D loss % for the corresponding quarter of last year.

DISCOMS' Response: The DISCOM to DISCOM settlements were not carried out on a quarterly basis for FY 2020-21 and hence T&D loss of the year FY2020-21 was adopted for each quarter of FY 2020-21. The same has been adopted as per the audited reports for FY 2020-21 and is available on their websites.

MVGR, FAPCCI, SICMA, and APTMA have stated that the Short Term Power Purchases have not been excluded from the Actual Weighted Average Power Purchase Cost per Unit of Energy (APPC) in the computation of FPPCA by the DISCOMS as required by clause 12.5(C) of regulation.

DISCOMS' Response: Clause 12.5 (C) of Regulation 4 of 2021 is applicable for the cases where DISCOMs on their own pass on FPPCA to consumers automatically due to the variations in the PP cost on the basis of actual bills admitted, subject to a ceiling of Rs 0.50 per unit on a provisional basis. In the present case, the DISCOMs have filed actual costs before the Commission for

the determination of FPPCA for the final pass-through of FPPCA on consumers. As per the provisions of the Regulation in vogue, the cost of Short Term Power purchase need not be excluded, if the DISCOMS file before the Commission for determination of FPPCA to be passed on to the consumers.

FAPCCI, MVGR, APTMA, and SICMA have stated that as per Clause 12.5 of regulation 4 of 2021, the agricultural consumers are to be excluded from FPPCA refund, and in the event of FPPCA to be collected from them, the DISCOMS may claim the FPPCA from the Government. Despite this, the DISCOMS have neither provided the details of category-wise sales by which such FPPCA is expected to be refunded to the category of consumers (except the agricultural consumers) nor subtracted the sales of agricultural consumers in the computation of FPPCA. Hence the Objectors requested the Commission to direct the DISCOMS for correction of the same.

DISCOMS' Response: The computation of FPPCA has been done as per the formula provided in the Regulation. There is no Clause in the Regulation that states that sales of agricultural consumers are to be excluded in the computation of FPPCA. As per Clause 12.5 (D) of Regulation 4 of 2021, the distribution licensee shall pass through the FPPCA uniformly on all categories of consumers existing in that quarter based on consumption. As per Clause 12.5(E), the distribution licensee may raise the FPPCA on the Government in respect of the consumers who were provided subsidy under Section 65 of the Electricity Act, 2003. It can be inferred from the above that FPPCA in respect of subsidised consumers is to be collected from GoAP. Hence, the contention of the objectors that sales from agricultural consumers should be excluded in FPPCA calculation is a gross misinterpretation.

FAPCCI, SICMA, APTMA, and APFPA have stated that the FPPCA is on account of fuel and power purchase costs. So, the fuel details, as well as power purchase, have to be scrutinised for variations based on the actual bills strictly allowing only on normative station heat rate (SHR) & coal consumption basis. The power purchase bills raised by the generators are required to be furnished containing the fuel parameters GCV, Price, the consumption of Fuel, SHR, Auxiliaries consumption, schedule of delivery, SLDC verification sheet, Cost Audit Certificate, etc. to enable the Commission to evaluate the claim and pass Orders.

DISCOMS' Response: In accordance with the requirements of the regulation, source-wise power purchase details for the quarter along with monthly breakups as per format annexed to the regulation duly certified by the auditor was filed before the Commission and the same is available on the Commission's website. The DISCOMS further stated that as the information on fuel/power purchase bills is voluminous which is difficult to photocopy and furnish, they would offer to show all the details on power purchase cost to the objectors at their office at Vidyut Soudha, Vijayawada.

APTMA, FAPCCI, and SICMA have stated that the FPPCA consists of the Fixed Cost Component of Power Purchase from the Generating Stations. The Fixed Cost Charges are linked to the Actual Plant Availability Factor. As per the filings, the full fixed cost has been claimed by the DISCOMS for APGENCO' Stations despite lower energy dispatch from them. Hence, the objectors requested the Commission to allow Fixed Costs corresponding to the Actual Plant Availability Factor of each station for admission to FPPCA.

DISCOMS' Response: The Actual availability for all the quarters is available on the DISCOMS website. The DISCOMS have made fixed costs payment to

generators only based on actual availability declaration rather than on actual dispatch.

19. **FAPCCI** and APTMA have submitted similar objections that are relevant to all the quarters. Their objections and the responses of the DISCOMS on the same are detailed hereunder:

That all Auditor certificates with effect from 1st February 2019 are to be accompanied by UDIN No. There is no UDIN-based Auditor Certificate submitted by the DISCOMS towards energy dispatched, fixed cost, variable cost incentive, income tax, etc. For this essential procedural lapse, the petition is liable for rejection.

DISCOMS' Response: The Audit certificate with a specific UDIN number is furnished.

That the Fuel costs are nearly 70 % and more for GENCOs. Hence Regulation 4 of 2021, MYT order on APGENCO's Tariff Order for the 4th Control period, and the Quarterly provisional financial results with Regulatory Accounts should be the basis for FPPCA.

DISCOMS' Response: Regulation 4 of 2021 is scrupulously followed by the DISCOMS. The Variable Costs based on fuel costs are booked as per the invoices raised by the power developers.

That the Commission may revise the current Tariff regulation 1 of 2008 applicable for Generators in the State on suo-motu in line with CERC regulations which stipulate efficient norms. That higher costs are being imposed on the consumers because of the inefficient norms in place.

DISCOMS' Response: The issue is under the purview of the Commission.

20. **FAPCCI**, APTMA and SICMA have submitted similar objections relevant to all the quarters. Their objections and the responses of the DISCOMS are detailed hereunder.

That the Discom to Discom power sales ought to be made in accordance with the average power purchase price of the respective DISCOMS. However, the DISCOMS have deviated from the Commission's directions issued in the RST order dated 25.03.2021 for FY 2021-22 in their present claims in respect of D-D transactions

DISCOMS' Response: As per the direction of the Commission in ROP Dt.23.03.2022, APDISCOMs have reworked the FPPCA claims based on the orders of the Divisional Bench on Tariff for RE projects. Accordingly, PPA rates for RE projects have been adopted instead of ad-hoc rates of Rs 2.43 per unit for Wind and Rs.2.44 per unit for Solar. Monthly source-wise weighted average PP cost of Contributing DISCOM has been considered for D-D settlement, in line with the workings of APERC in the Tariff Order.

That APSPDCL while arriving at the revenue gap for the FY 2021-22 has projected a revenue of Rs.304.30 Crores from the sale of REC in Tariff order dated.25.03.2021 for the FY 2021-22. The Commission had issued directives to APSPDCL to sell surplus RE power and to furnish the details of revenue earned from the sale of surplus power while submitting power purchase costs true up/down for FY 2021-22. APSPDCL has not provided any details against the same. The revenue earned by the sale of RE power/REC Income (if any) shall be deducted from the Actual Average Power Purchase Cost in the computation of FPPCA.

DISCOMS' Response: The compliance report on the meeting of RPPO by the

DISCOMs for FY 2021-22 is yet to be finalised and recommended by the Nodal agency APSLDC, before the Commission. Hence REC income is not accrued in FY 2021-22. Since it is an item covered in the classification of "Revenue" it will not form part of FPPCA.

That the DISCOMS have drawn UI energy i.e. APSPDCL's 15.66 MU, APEPDCL's 14.02 MU & APCPDCL's 9.04 MU at a high price of Rs.6.41/kWh which resulted in the payment of a total sum of Rs. 24.80 Crores for the 3rd Quarter. This payment is due to the inefficiency of DISCOMS in managing their power portfolio economically. Therefore, such charges which are penal in nature cannot be passed on to the end consumers.

DISCOMS' Response: As per the provisions of the Act, APSLDC is vested with the power to maintain the grid in an economical manner. Unscheduled Interchange (UI) is associated with the drawl of power from Central Generating Stations (CGS)/other IPPs connected to the Inter-State Transmission (ISTS) network. While balancing the generation and grid demand on a second-to-second basis in real-time, deviations are bound to happen. On some occasions, DISCOMs are forced to draw more from ISTS than their schedule to maintain a 24X7 power supply without any unwarranted interruptions. At times over drawls are to be made incidentally at a slightly higher cost than the weighted average power purchase cost. The percentage quantum of UI energy will be only a fraction of the total procurement quantum. As explained, the UI is incidental to the operation rather than penal. Hence, the Commission may accord approval for this UI energy charges and corresponding FPPCA.

That for the generating unit under JNNSM PH 2 thermal, the DISCOMS have claimed variable charges (APSPDCL Rs.1.59 Cr, APEPDCL Rs.1.42 Cr, and

APCPDCL 0.92 Cr) for the 3rd Quarter against zero dispatches. This seems an arbitrary claim made by the DISCOMS. The same needs rectification.

DISCOMS' Response: Payment of Variable charges against zero dispatch in respect of certain Thermal Power Plants covered in JNNSM-Phase-II bundled power, is due to the receipt of adjustment bills pertaining to those generators for the supply in the past periods. The adjustment bills were processed as per the relevant CERC regulations since these plants are operated by NTPC and these claims are not arbitrary.

That the following directions of the Commission issued in its Order dated 29.04.2019 pertaining to the ARR of APGENCO for the 4th Control Period (FY2019-20 to FY 2023-24) shall be complied with.

- a) *To reduce the station heat rate and auxiliary consumption by implementing the recommendations of Steag Energy Services India Pvt. Ltd. which conducted the performance test and submitted its report and the same was to be communicated to the Commission. Furthermore, if the actual station heat rate was less than 2550 kCal/kWh, the APGENCO ought to have considered such a lower station heat rate for admitting Fuel Cost Adjustment (FCA) bills.*
- b) *The Commission directed that the base price is indicative and the indicative prices shall be increased in proportion to such % of hike notified in the notifications.*
- c) *Measurement of GCV at wagon top at unloading point with a margin of 105-120 KCal as per the procedure prescribed in IS 436-1964 by the Third party.*
- d) *APGENCO is directed to ensure to obtain billed Grade of Coal by collecting samples as per the standards in the presence of its Officials/ Third party*

as per the Joint Protocol.

- e) APGENCO is directed to explore long-term contracts with Coal producing companies through competitive bidding duly ensuring the Landed Price of the coal shall not increase the indicative prices.*
- f) APGENCO should maintain 15 days of Coal stocks to provide uninterrupted Power Supply.*
- g) Flexibility in the utilisation of domestic coal for reducing the Cost of Power Generation. Coal diversions should be in line with the guidelines communicated by CEA.*

APGENCO submitted the following compliance on the above directives consequent to the visit of Commission's officers to Dr. NTTPS.

- a) The basic coal prices have been increased 10 times during 2019-22 by SCCL through Price notifications which are about 45%. However, SCCL has offered a Rebate for maximum utilisation of Coal during the Covid-19 pandemic. APGENCO has passed on the above rebate through FCA to DISCOMs and ultimately to the consumers. The variable costs are within the 15 % variation ordered by the Commission. Hence, no petition was filed for enhancement of base price up to Mar-2022. During FY 2022-23, no such rebates were offered by coal companies and APGENCO is filing a Petition for enhancement of base price from FY2022-23 onwards.
- b) Measurement of GCV at wagon top at Unloading points of APGENCO plants are being carried out by Independent Inspection Agency (TCRC, Chennai) as per the procedure prescribed in IS 436-1964
- c) The sample collection, preparation, and analysis at loading end is carried out by CIMFR, a Govt. of India Undertaking (IIA). APGENCO has established one circle office at MCL/Talcher headed by Superintending

Engineer /APGENCO and one Divisional office at SCCL/Yellandu headed by Executive Engineer/APGENCO with the support of Chemists for inspection of Loading of rakes, representative Coal sample collection and preparation by CIMFR, as per the Joint protocol in order to ensure billed grade of coal. APGENCO has also appointed an Independent Inspection Agency (IIA) at the unloading end to ensure receipt of the billed grade of coal. Disputes in results, if any, between the loading and unloading end are being taken up with CIMFR for invoking the referee sample.

- d) APGENCO has Fuel Supply Agreements (Long Term) with MCL, Talcher, and SCCL, Kothagudem to the tune of 10.022 MMTPA and 6.88 MMTPA respectively. APGENCO procured coal from SCCL under MOU with FSA prices during the FY 2020-21 and 2021-22 to meet the shortfall of coal at Dr. NTTPS. However, APGENCO entered Fuel Supply Agreement (Long Term) with SCCL for the supply of 3.00 MMTPA of coal to Dr. NTTPS by transferring the linkage quantity from MCL to SCCL, to enhance the materialisation of coal supplies from 2022-23 onwards.
- e) APGENCO is putting all efforts to maintain coal stocks as per the directive. However, the coal stocks could not be maintained due to the following reasons:
- High demand for coal supplies across the country after the revival from COVID-19
 - Regulation of coal supplies by Coal companies due to huge outstanding dues. (APGENCO unable to clear outstanding dues with coal companies due to shortage of funds resulting from huge receivables from TS-DISCOMs and payment of debt services)
 - Allocation of less number of rakes by Railways
 - Non-allocation of rakes to washery siding

- Congestion in the Railway line from Talcher to Vizag
- High coal prices in the international market forced the power plants to depend on indigenous coal supplies.

Action Taken by APGENCO to improve coal stocks

- Rigorously pursuing with the coal companies (MCL & SCCL) & Railways to improve coal supplies to APGENCO Power plants.
- Appraising the coal stocks from time to time to the Ministry of coal & Ministry of Power, Govt. of India during Core Management Team and Sub Group Meetings and requesting to increase coal supplies to APGENCO.
- Based on the direction of the Ministry of Power, GoI, to procure imported coal @10% total requirement for blending purposes, Tenders were invited by APGENCO. But the orders could not be finalised due to high prices discovered.
- APGENCO as a nodal agency for carrying out flexi-coal operations is submitting a Coal supply matrix every quarter to CIL as per the requirement of coal at APGENCO and APPDCL power plants. Because of optimum stocks at the respective APGENCO stations, Flexibilization of coal was not carried out in the FY 2021-22. Unplanned coal diversions from station to station are being avoided to the extent possible to reduce additional logistic expenditures and thereby to reduce the landed cost of coal with proper monitoring of coal movement.

21. **Sri MVGR and Others** have submitted a series of objections on the FPPCA filings of all quarters and some of them are beyond the purview of the Commission to deal with. However, the main objections relevant to the filings of all the quarters in brief, and the DISCOMS response to the same are

detailed hereunder:

That DISCOMS furnished the data as per the formats prescribed by the Commission, without any explanations. That they have not filed details of short-term purchases source-wise and have not submitted details pertaining to payment of fuel and fixed cost certified by the auditor paying higher tariffs than what was approved by the Commission in the retail supply tariff order for 2021-22, both fixed and variable, to different power stations. In the absence of the same, it is difficult to ascertain the authenticity and permissibility of payments for the purchase of power claimed to have been paid by the DISCOMs. It is also equally imperative to ascertain whether variable and fixed costs were paid in accordance with the parameters fixed and approved by the Commission in the respective PPAs or under its directions and whether backing down of thermal stations was as per the principle of merit order dispatch and within the technical limits incorporated in the respective PPAs of those stations, etc.

DISCOMS' Response: In accordance with the requirements of the Regulation, source-wise power purchase details for the quarter along with monthly breakup as per the format annexed to the Regulation duly certified by the Auditor were filed before the Commission and the same is available in the Commission's website. The source-wise short-term purchases data was furnished to the objector and the same is available on the DISCOMS website. The baking down was carried out as per merit order dispatch and within technical limits mentioned in PPAs.

That For short-term purchases, the DISCOMs have to give source-wise short-term purchases with all relevant data to facilitate the process of examining whether short-term purchases were made when power from

thermal projects under PPAs in force was available, whether the principle of merit order dispatch was followed, whether such purchases were beneficial to the DISCOMs and their consumers or not, and whether the DISCOMs adhered to the upper limit of the price fixed by the Commission for short-term purchases through exchanges. When the price paid for the purchase of power in the market and through exchanges per kWh and fixed charge per kWh paid for power backed down during the same period put together exceed the total price per kWh to be paid for purchasing the power backed down, it is not beneficial but imposes additional burdens on the consumers. The DISCOMs have given details of variable costs paid for short-term purchases, but they have not given details of fixed charges paid for power backed down

DISCOMS' Response: The DISCOMs have filed source-wise power purchase details for the quarter in the format annexed to the Regulation certified by the Auditor. However, the source-wise purchases of short-term power and backing down details are available on the DISCOMS website. Short Term purchases were necessitated due to shortage of availability of power from the committed sources and the dire requirement to maintain Grid Demand on a 24X7 basis without any load shedding to the consumers. There was no instance of violation of the Merit Order while procuring power from short-term sources. It can be observed from the data on actual availability and approved availability in the tariff order in respect of committed plants, there was a shortage of availability that forced the DISCOMs to procure power from short-term sources. The DISCOMs have followed the Merit Order dispatch principles while procuring power from all committed sources as per the approved list in the Retail Supply Tariff Order. Merit order dispatch is not applicable on Short Term Purchases made through exchanges. Exchange will have a single market clearing price for each time block across the Country. After the exhaustion of

all the existing resources based on their availability declaration on the day a head basis, the shortfall is bid in the exchanges. During real-time, in cases there are sudden outages in Thermal Stations, Grid Demand is more than anticipated, or Wind generation not materialising than the expected during day ante, the DISCOMs are forced to procure in the Real-Time Market to make good the shortfall, to meet uninterrupted supply commitment.

That in the retail supply tariff order for the year 2021-22, the Commission asserted that “while computing the landed per unit cost of power from such market sources holistically, the other applicable costs as suggested by APSEB AEEA also need to be taken into account in addition to the applicable CTU and STU charges. Commercial prudence is very much essential while procuring power from the markets with a view to reducing the power purchase costs particularly when the approved sources are kept under reserve shutdown”. While procuring power from market sources for the first quarter of 2021-22, did the DISCOMS take the said other applicable costs as suggested by APSEB AEEA into account? There was no explanation on this count by the DISCOMS in the subject petitions. If such other applicable costs are taken into account, the estimated savings in power purchase costs may pale into insignificance and turn negative.

DISCOMS' Response: The Merit order dispatch list is drawn up on the basis of Variable Cost only since the fixed cost of Generating Stations is inevitable. Market purchase was done to meet the Grid demand and not to back down the committed plants.

That entering into long-term PPAs with high-cost projects, backing down their capacities, paying higher fixed costs therefor, and paying higher tariffs for power purchased from the markets reflects imprudence in decisions taken and consents given. In the case of high-cost and unwarranted renewable

power, in view of their must-run status, DISCOMS are constrained to bear the entire burden and impose it on their consumers.

DISCOMS' Response: Procuring power as per the valid PPAs and directions from the Commission in this regard. Regulations in vogue have conferred Must Run Status to RE sources

That in view of various deficiencies in filing FPPCA claims by the DISCOMS on a quarterly basis, the Commission may consider dispensing with the system of true-up/true-down on a quarterly basis and direct the DISCOMS, to include the same in their ARR and tariff revision petitions for the next financial year.

DISCOMS' Response: The DISCOMS would oblige to any directions of the Commission in this regard.

That the DISCOMS purchased less power compared to the quantum permitted by the Commission, the benefit of such a reduction is not reflected in the form of true-down. Without explaining any reasons, the DISCOMS have claimed a true-up.

DISCOMS' Response: Even though the reduction in the quantum of power purchase would result in a reduction in Power Purchase cost in absolute terms, there is an increase in weighted average power purchase cost per unit cost of power. The increase in weighted average power purchase cost per unit on account of the increase in Fixed Costs and Variable costs of different plants. Month-wise and plant-wise cost details with Auditor certification have been furnished as part of the filings.

That any procurement of power under long-term PPA from Renewable Energy Projects at a tariff of more than Rs.2.43 per unit would be detrimental to the

interest of end consumers of the State since as per Section 61 of the Electricity Act, the DISCOMs have to discharge its functions on commercial principles. Imprudent decisions to enter into PPAs with RE units and regulatory consents given to the same have been responsible for imposing avoidable and unjustifiable burdens on the consumers of power in the State. In view of the same, the DISCOMs have to submit information relating to thermal power backed down during and fixed charges paid therefor in order to purchase must-run RE under PPAs in force.

DISCOMS' Response: All the Agreements, under which the DISCOMs are procuring power, including from RE sources, have been consented to by the Commission. To the extent of backing down energy, the fixed costs are to be paid to the Generators as per PPA conditions.

22. **Sri. MVGR** has stated:

That the Hon'ble High Court of Andhra Pradesh, in its order dated 15.3.2022 has set aside the order of the single judge and directed the DISCOMs to make payment of all pending and future bills of solar and wind power projects at the rate mentioned in the PPAs. From the point of view of larger consumer interest, there are a number of justifiable grounds to go in for an appeal in the Hon'ble Supreme Court against the order of the Hon'ble High Court. Since the DISCOMs have submitted FPPCA claims for the third quarter of 2021-22 based on interim payment rates for solar and wind power plants, it is not clear whether they have gone in for an appeal in the Hon'ble Supreme Court against the said order of the Hon'ble High Court or whether they will be submitting supplementary claims for the balance amount based on the PPA tariffs of the solar and wind power plants concerned.

DISCOMS' Response: The revised FPPCA claims made by the DISCOMs have

considered the PPA rates in respect of Wind / Solar plants in obedience to the directions of the Hon'ble High Court.

That the DISCOMs have made short-term purchases through exchanges. Whether all the relevant components of costs, including CTU charges, were included in the cost per unit is not known, as the DISCOMs have not submitted or clarified the same. On the face of it, purchasing through exchanges at such a higher cost is impermissible. The cost per unit source-wise also may vary and some of the purchases may turn out to be much higher than the average cost per unit.

DISCOMS' Response: The STOA and CTU charges are not included in the cost per unit of short-term purchases. The STOA and CTU charges are included in the PGCIL charges. The purchase through the exchanges was necessitated due to the non-availability of power from approved sources of supply and was carried out due to the requirement to maintain a 24x7 supply. Hence the same is admissible.

That the DISCOMs have claimed adjustment of true-up/true-down in three equal instalments for “all categories of consumers.” in every quarter. Just as true-up is confined to non-agricultural consumers, true-down also should be confined to non-agricultural consumers, as has been the standard practice as per applicable regulations.

DISCOMS' Response: The Distribution licensee shall pass through the FPPCA uniformly on all categories of consumers existing in that quarter based on consumption and may raise the FPPCA on the Government in respect of the consumers who are provided subsidy under Section 65 of the Electricity Act, 2003 as per regulation in vogue.

That the Chartered Accountants have informed the three DISCOMs, in their letters as uploaded on the website of the Commission, that power purchase bills of a few of the generators/developers are not submitted to APPCC for the quarter ending December 21. The DISCOMs have to furnish the list of generators/developers who have not submitted the power purchase bills for the quarter ending December 2021 so far and the reasons for such a non-submission.

DISCOMS' Response: The List of Generators who have not submitted the Bills is furnished to the objector. In respect of these generators, the average power purchase cost of previous months was considered to arrive at the overall power purchase cost for the quarter and it is subject to minor change or modification on the basis of actual bills to be submitted by the generator or developer.

That for the supply of power to agricultural consumers exceeding the quantum determined by the Commission in the retail supply tariff order, only FPPCA calculated per unit, the DISCOMs "may" collect from the government. The balance amount (cost of service - FPPCA per unit) is being imposed on all the consumers, especially on non-agricultural consumers, for the supply of power made by the DISCOMs to fully subsidised LT agricultural consumers. This is impermissible.

DISCOMS' Response: As per the extant Regulation, the FPPCA leviable on free Agriculture supply will be claimed from the GoAP based on the actual quantum of Agriculture Supply. In addition to this, if there is an increase in the volume of free Agriculture supply than the approved quantum, pursuant to the directions of the Commission in the Retail Supply Tariff Order, the actual expenditure attributable to such additional supply will be claimed as

additional subsidy from the GoAP, subject to the approval of the claim by the Commission.

That the interpretation of the FPPCA regulation by DISCOMS relating to the calculation of FPPCA claims for the supply of power to fully subsidised agricultural consumers goes contrary to the earlier practice, besides being irrational and imbalanced. for the supply of power exceeding the quantum determined by the Commission in the retail supply tariff order to fully subsidised agricultural consumers, the cost of power exceeding that limit plus the additional cost for supply of quantum of power determined by the Commission should be collected from the GoAP. For this purpose, the DISCOMs have to invariably show the total supply of power and excess supply of power made to fully subsidised agricultural consumers and work out and claim the FPPCA amounts separately from the GoAP. That FPPCA claims are specific and need to be substantiated with facts and figures. When the DISCOMs are not revealing the total amount of FPPCA claimed or to be claimed by them from the GoAP for power supplied to fully and partially subsidised consumers and how they calculate the FPPCA per unit for such consumers, it can be inferred that the DISCOMs are failing to do so deliberately to conceal the irrationality and imbalance in their interpretation and implementation of the said Regulation as explained above. If the DISCOMs need not file petitions for claiming additional subsidy from the Government for supply, including additional supply, if any, of power to the fully and partly subsidised consumers, and if no public hearing needs to be held by the Commission, the exercise continues to be shrouded in secrecy, without any transparency and accountability. However, no application, if any, filed by the DISCOMs seeking approval of the Commission for the determination of the permissible amount to be collected from the GoAP

towards FPPCA claims for power supplied to fully subsidised agricultural consumers and other subsidised consumers so far for any quarter of 2021-22 or for the entire year is made public. That if the DISCOMs are allowed to calculate the FPPCA amount for power supplied to fully and partially subsidised consumers in a questionable manner, as explained above, passing on a substantial part of the FPPCA of those consumers to the other categories of consumers, is not fair.

DISCOMS' Response: The interpretation of the objector on FPPCA claims is vehemently opposed. The filings are as per the extant regulations. DISCOMs have revealed entire data and submitted explanations in support of their FPPCA claims, in accordance with the Regulations. As per the Regulation in vogue, there is no requirement for a separate application seeking approval of the Commission for the determination of the permissible amount to be collected from the GoAP towards FPPCA claims for power supplied to fully subsidised agricultural consumers and other subsidised consumers. DISCOMs would calculate the FPPCA amount for power supplied to fully / partly subsidised consumers as per the orders of the Commission and submit a claim for receipt of the amounts accordingly from GoAP, as per the Regulation, In this method, there is no passing of FPPCA amount for power supplied to subsidised consumers to other categories of consumers as alleged by the objector.

That the DISCOMS' admission that to accommodate the intermittencies imposed by RE generation, backing down of conventional thermal stations to a limited extent is resorted by APSLDC as per the real-time grid conditions for the reliable and secured operation of the grid needs to be substantiated with details of backed down thermal power in order to purchase must-run RE and

the fixed charges paid for the backed down power. In the 4th quarter of 2021-22, the DISCOMs have shown payment of Rs.6.73 per unit against Rs.3.70 per unit approved by the Commission for short-term purchases, besides payment of Rs.9.87 per unit paid for UI energy. In the name of ensuring a continuous supply of power, the purchase of power at such exorbitant prices cannot be justified and should not be permitted. Reduction of a fixed charge for backing down power cannot cover up the excess amount the DISCOMs paid for short-term and UI energy charges. Such a situation confirms the justification for our suggestion made repeatedly during public hearings on PPAs for the imposition of penalty for the generation and supply of power below the threshold level of PLF on generators.

DISCOMS' Response: When the data is observed on a monthly basis, there appears both backing down of Generation as well as Market Purchases. This doesn't mean that Thermal Plants are backed down to procure power from the exchange. It is reiterated that the availability of surplus & Market Purchase is mutually exclusive events on a Time Block basis. Both don't coexist in a Time Block. Only when the data is aggregated across the month, we can observe that within the same month, there is backing down and market purchases. As per the existing terms of the approved PPAs, the reduction of fixed charges proportionately for the shortfall in an available generation is carried out. There is no other penalty for short availability.

That the DISCOMs have replied that, if the generators fail to generate at a threshold level of PLF, they are reducing the fixed costs proportionately. Here, too, the DISCOMs are not making public power backed down station-wise, and the fixed charges paid therefor, except giving approved costs and actual costs both in the total cost and per unit cost, not time block-wise. Based on that, it is not possible to ascertain to what extent they have reduced fixed

costs for power not generated and supplied station-wise.

DISCOMS' Response: power back down details station-wise have been Submitted as part of FPPCA filings. The Fixed charges are paid in accordance with the actual availability as per PPA conditions / Regulations.

That the DISCOMs, when they paid variable costs per unit exceeding the VC permitted by the Commission in the respective PPAs of the thermal power stations concerned, are not furnishing details substantiating the factors that are leading to payment of higher VC and justifying the same. The said details need to be submitted and made public by the DISCOMs and the same needs to be examined and its permissibility or otherwise needs to be determined by the Commission by taking into account various parameters like GCV of fuel, station heat rate, auxiliary consumption, cost of transportation of fuel, etc., as determined in the PPAs. When all such relevant details are not being submitted by the DISCOMs along with their FPPCA claims, the Commission is expected to explain the same in its orders, at least. If FPPCA regulation and related formats do not provide for the submission of all such relevant data and information, the same need to be amended appropriately to make the regulatory process holistic and comprehensive.

DISCOMS' Response: The additional variable costs are claimed by Generators through Fuel Cost Adjustment (FCA) bills. The same is scrutinised for admissibility as per the approved Norms. Allowable expenditure is admitted after the final scrutiny by the Auditors.

23. **FAPCCI** & SICMA have submitted their own assessments against the DISCOMS' proposal on FPPCA for each quarter. As the Commission examines the filings of the DISCOMS in detail, their assessment of the FPPCA charges

excluding the agl. consumption, etc., under the free power category, is not discussed. Apart from the common objections discussed supra, their quarter-specific objections, and the responses of the DISCOMS on the same are detailed hereunder:

That the DISCOMS have made short-term purchases of around 2,784.69 MUs @ an average rate of Rs. 6.73 per unit for the Q4 of FY 2021-22. But, as per the plant availability and actual despatch stated by the DISCOMS, there shall be surplus power of 230.27 MU of variable cost ranging from Rs. 3.14 to 3.86 per unit for the fourth quarter from the approved sources. In spite of this fact, the DISCOMS have made short-term purchases at a high average price of Rs.6.73 per unit without considering the cheaper available surplus energy from the approved sources with them.

DISCOMS' Response: The power availability has to be matched on a second-to-second basis with the Grid Demand in real time to achieve Load – Generation balance. In this exercise, on some occasions, there would be occasional surplus generating capacity also which could have the potential to generate but backed down due to system constraints. The system constraints could be due to one or the combination of the following reasons:

- More RE generation which is a Must-Run- even during the day in Real-time Operations, plants are backed down to accommodate the RE generation
- Lower Grid demand during some parts of the Day.
- Lesser Market Prices which discourage the entities to sell available surpluses.
- Thermal Plants are given Reserve Shut Down (RSD) based on prevailing lower grid demand conditions in monsoon seasons. In those cases,

availability is considered, but the plant is not ready to generate.

- Sudden drop of Load due to changes in weather conditions during the day etc.

Whenever the available surplus power could be sold at a reasonable price, the DISCOMs are resorting to the same and in case it cannot be done, it is considered as backing down. As stated by the Objector, the available surplus power of around 230.27 MUs for the Q4 of FY 2021-22 is the arithmetic difference between availability and dispatch. 100% of this power cannot be sold as explained above. The availability of surplus power on an aggregate basis across the month is not the basis for deciding on short-term procurement. The short-term purchase is made based on a 15-minute time block basis based on the demand-supply situation prevailing at that point of time. When seen on an aggregate basis in a month, there could be surplus power availability & market purchases at an equivalent level of quantum. In view of the above, the contention of the objector is not correct.

That UI charges are a commercial mechanism to maintain grid discipline. The UI charges penalise whosoever caused grid indiscipline, whether it is the generator or distributor. However, the DISCOMS have loaded UI energy in the power purchase cost amounting to a total of 107.52 Crores for Q4 of FY2021-22 at a high price of Rs.9.87/kWh. As provided in the statement of Reasons of CERC under UI Regulations 2009, the statement of Forum of Regulators, and the Ministry of Power Draft Electricity (Amendment) Rules, 2022 dated 12.08.2022, such charges are not admissible in FPPCA.

DISCOMS' Response: Similar response as furnished to one of the objectors on the similar objection as the above.

That The Hon'ble Maharashtra Electricity Regulatory Commission (MERC), as part of its prudence check process for FPPCA, regularly on a monthly basis directs the Distribution Licensees to seek prior approval. Based on such submission, the Hon'ble MERC verifies the power purchase bills and other fuel-related invoices, duly providing a detailed vetting report for the said period, before approving FPPCA

That the DISCOMS have not provided any documentary evidence or clarifications regarding paying higher tariffs for purchases from the market than the approved cost in RST Tariff order FY 2021-22. As per general regulatory provisions, these market purchases should be accompanied by proper backing down of generators in adherence to merit order dispatch.

DISCOMS' Response: The merit order dispatch procedure is strictly adhered to by the DISCOMS. Market purchases are undertaken to substitute the committed sources in view of lesser availability from them. If Market purchases are undertaken to replace the existing available sources for cost optimization, then the backing down of generation happens. For the quarter under consideration, market purchases are undertaken to maintain an uninterrupted power supply to end consumers. Therefore, the market purchases are undertaken through a transparent process of bidding in the CERC-regulated power exchanges and the same need to be considered by the Commission for the evaluation of quarterly FPPCA.

That the DISCOMS are earning more revenue than approved on account of an increase in HT Sales, which have a high Average Billing rate would indicate that there is an increase in the cash flow of the AP DISCOMS. Hence, it is essential to check whether the necessity of charging FPPCA and also whether the same ought to be reduced to compensate for the increased revenue on

account of the increase in HT Sales.

DISCOMS' Response: The contention of the objector regarding the reduction of FPPCA to the extent of increased revenue on account of an increase in HT sales is flawed on the following grounds.

i) The revenue true-up / true-down has to be considered in entirety for all categories instead of just HT sales and improvement of cash flow/working capital is contingent on entire revenue constituents instead of just HT sales.

ii) The APDISCOMs have been requesting for true up of revenue for many years. But the same has not been considered by the Commission on the grounds that extant Regulations do not permit the same.

iii) The revenue true-up / true-down has to be considered for previous control periods and past years of the current control period as well.

That the AP DISCOMS have included past FPPCA claims and refunds pertaining to the past quarters(s) without any data backing and supporting information. The proposed variation of Past Claims and Refunds is exceeding the ceiling limit as specified in extant regulations and therefore shall be disallowed.

DISCOMS' response: By the time the quarter-wise FPPCA claims are made, the monthly bill claims of Generators are not available for the third month of the quarter under consideration. In such cases, the provisional values are taken against that generator, with due certification from the auditors for that month. When the actuals of that generator are received at a later date, admissible amounts are updated for the prior months after thorough scrutiny for arriving at the same. The necessary adjustments with respect to already

claimed amounts are carried out as a separate line item with the name “Past claims/refunds in the subsequent quarters as per the format annexed to the Regulation. The past claims are also duly scrutinised and audited by the Auditors and accorded certification. Accordingly, there are adjustments in Q2 & Q4 for the FPPCA filings. These adjustments are qualified and certified by the Auditor and are claimed as such by the APDISCOMs. Also, the reference made by the objector to exceeding the ceiling limit specified in Regulation No.4 of 2021 is a gross misinterpretation of the Regulation. Hence the contention of the objector to disallow claims and refunds pertaining to past quarters included in FPPCA computation is not justified.

24. Sri M. Thimma Reddy has stated that the DISCOMS did not offer an explanation for the deviations in energy dispatch as well as power purchase costs. The Actual per unit variable cost of thermal power plants is less than that approved in the tariff order. APDISCOMs should have taken into account this declining variable cost of state thermal power plants while planning market purchases. He also stated that the APDISCOMs are not prudent in procuring power from market sources even when cheaper power is available from GENCO units. Therefore, imprudent procurement of power from market sources shall not be allowed

DISCOMS' Response: The market purchases are necessitated after exhausting all the available supply from the committed sources to meet the Grid demand. There is no possibility of taking more power from the state thermal power plants in place of market purchase since there is no availability of the same. The market procurement is done in a prudent manner to meet the load requirement. Because of less availability from the committed sources, market purchases have been made.

25. Apart from the submission of some common objections discussed supra, APFAPA has stated that the DISCOMS shall provide the Plant Availability details backed up by respective SLDC statements to justify the claims of fixed cost. That the Regulatory Scrutiny requires more information on performance and efficiency apart from accountancy details, as the given CA-certified statements do not fulfill the complete requirement. Therefore, the DISCOMS shall provide all necessary information in a 'speaking manner' to facilitate public scrutiny and not to scuttle the effort. It also stated that the Commission may update the Generation, Transmission, and Distribution Tariff Regulations since they have a bearing on the Consumer Tariffs and Charges.

DISCOMS' Response: The Fixed Costs have been paid based on declared availability and not on the basis of actual dispatch or utilised energy. As per the PPA conditions, Regulations, and relevant orders, the plant-wise FC is paid. The FPPCA details and adjustments proposed are filed in accordance with the Regulation specified by the Commission. An update of regulations is under the purview of the Commission.

26. The objections of A.P.Ferro Alloys Product Association and the responses of the DISCOMS on the same are detailed hereunder:

That the Fuel parameters such as cost, transportation, moisture content, grade, GCV while taking into consideration SHR, PLF, etc for objective assessment of the performance of the Generating Stations are impacting the cost of Energy supplied to DISCOMS.

DISCOMS' Response: All relevant expenditures that form part of variable costs such as Base Cost of Fuel, Transportation Cost, Taxes & Duties, and GCV of the Coal with relevant Grade all are captured while scrutinising the

monthly bills of various generators. The monthly certificate from the auditor duly certifying the plant-wise expenditure like Fixed & Variable costs is also furnished as part of filings.

That one of the significant contributors to the financial difficulties of the DISCOMS is the inadequate realisation of payments from the Government and the undue delay involved in it. Therefore, the Commission may consider levying the Delayed Payment Surcharge on all Government Receivables just as it is imposing on delinquent consumers to bring in the much-needed improvement in the affairs of the DISCOMS on a permanent basis.

DISCOMS' Response: The suggestion of the objector with regard to the levy of Delayed Payment Surcharge (DPS) on the receivables (subsidy) from the State Govt. is noted.

That inter-DISCOM sale by SPDCL has been shown at a rate lesser than its Pooled Power Purchase Cost, which is against the Regulations.

DISCOMS' Response: Monthly source-wise weighted average PP cost of Contributing DISCOM i.e. APSPDCL in this case, has been considered for D-D settlement, in line with the workings of APERC in the Tariff Order.

That the Availability Factors of certain Stations have been erratically shown, leading to higher Fixed Cost Computation.

DISCOMS' Response: There is no error in the record of Availability Factors of certain Generators as alleged by the Ld. Objector. Plant availability is certified by the APSLDC in respect of the plants connected to the State Transmission system and by the SRLDC in respect of plants connected to the Inter-State Transmission System. Certain plants achieved availability by more than 90% and up to 100% as well in certain months. But as per the PPA

terms & conditions, the plant is entitled to recover full fixed cost if it attains the normative Availability of 80% or 85% as the case may be. For the actual Generation corresponding to the excess availability over & above the normative level, no fixed charge will be paid. The Fixed Cost payments are calculated accordingly and there is no higher FC incidence. The actual fixed cost payment is proportional to the actual availability of power and not to the Dispatch.

That Annual True-up coincident with Tariff Exercise was appropriate with the Certainty of Tariff for a year which would facilitate taking long-term orders without risk.

27. Sri P.Vijaya Gopal Reddy and AP Textile Mills Association have stated that in view of the Policy of Uniform Tariff across the State, the Subsidy provided by the State Government is adjusted for uniform Tariff at the time of Annual Tariff computation due to the COS being different in each DISCOM. In the case of FPPCA, in view of diverse Supply Sources and Consumer mix across DISCOMs, the resultant FPPCA claimed is different. For instance, in the case of the second quarter of 2021, The FPPCA claimed for APSPDCL emerged to be 90 paise while for EPDCL, it worked out to be 42 paise and for CPDCL it is 47 paise. Similar differences occurred in the two other quarters claimed. As the differences are substantial, the impact on similar Industries in separate DISCOMs will adversely affect their existence, all the more in the case of Power Intensive Industries. In the present context, the Consumer Mix in EPDCL is favourable with a higher proportion of Industrial consumers while in contrast, SPDCL has a larger proportion of Agricultural Consumers spread all over with higher line losses. As per the Policy of the State Government regarding Uniform Tariffs across the State and since FPPCA is a part of the

Tariff, the Commission may consider implementing uniform FPPCA across all the DISCOMS in the State. Alternatively, to continue with Annual True-up at the time of Tariff Fixation instead of quarterly adjustment which would also provide certainty of Tariff to Businesses to book orders for a longer period rationally.

DISCOMS' Response: It can be observed from the data furnished by DISCOMS that the actual per unit power purchase cost of all three DISCOMS is around Rs 4.50 per unit for the subject quarter. But the variations in Transmission Cost, T&D Losses, and the presence of variation in reference to per unit PP cost for different DISCOMS as per the Retail Supply Tariff Order are leading to differential FPPCA claims across DISCOMS. As per the FPPCA Regulation, each and every DISCOM has to arrive at and file the FPPCA based on their own PP Cost, Transmission Cost, T&D losses, etc. Implementation of uniform FPPCA across different DISCOMS is not envisaged in the Regulation and this aspect falls under the purview of the Commission.

28. Sri A N Perumal and Sri Kandharapu Murali have submitted that there are about 50 thousand families living to work on power looms in Nagari, Chittoor district. They suffered losses during COVID-19 due to the closing of these power looms. The power looms were reclassified under the Industrial category from FY 2019-20 by the Commission. Because of this, the electricity duty of Rs 1 per unit applicable for Industrial Consumers is being imposed on the power looms and causing a heavy burden on the consumers who depended on power looms. Hence, the Commission may change the category to avoid the electricity duty of Rs 1 per unit on consumers using power looms.

DISCOMS' Response: As part of the rationalisation of the tariff structure, the Commission had brought power looms (cottage industries) under the

industrial category in the RST order for FY 2019-20 while continuing the same concessional tariff in a separate subcategory. The electricity duty is imposed based on the Govt. Orders, and hence exemption of the same for a particular category is in the purview of the Govt.

29. Sri Ch. Babu Rao and Sri Kandharapu Murali have submitted similar objections. Their relevant objections and the responses of the DISCOMS are detailed hereunder:

That even after the corona pandemic, the economy has not fully recovered. The living conditions of the people have suffered. The prices of essential commodities have increased tremendously due to inflation. Small industries and businesses are yet to recover. In such a situation, it is not fair to put additional burdens on consumers. Apart from this, thousands of rupees are being collected from each customer in the name of additional load deposits and additional consumer deposits. Fixed charges on non-domestic consumers, customer charges on everyone, including domestic consumers, electricity tariff, etc. are being levied.

DISCOMS' Response: The 2014-19 true-up charges are being levied as per the orders of the Hon'ble Commission. The other charges mentioned by the objector are charged as per the rules.

That it is surprising that true-up charges worth Rs.1048 crore have been proposed for the fourth quarter. On average, there will be an additional burden of Rs 350 crore per month. With the same trend, the burden of true-up charges will be up to Rs.4,200 crore per annum. While the burden of Rs 2900 crores (about Rs.600 crore per annum on average) for the years 2014-19 is considered to be excessive, it is objectionable to impose these

true-up charges which are at an all-time high.

DISCOMS' Response: True-up charges for 2021-22 will be Rs. 3336.68 crores. However, under Section 65, the government shall bear the true up charges of the consumers who are subsidised by them as per Regulation 4/2021.

That the expenditure went up by over Rs.1,000 crore even though the consumption of electricity has gone down by 530 million units more than the estimates mentioned in the ARR. Power supply and distribution losses have come down to 9.61 percent from 10.35 percent. The expenditure should come down if distribution losses are reduced. But the expenditure has gone up. That the State government announced that it saved thousands of crores of rupees in power purchases and said that the exploitation of private power companies would be curbed and charges would be reduced. Due to changes in science and technology, the cost of electricity generation worldwide has come down and charges have come down. But there is an additional burden of electricity charges and true-up charges in our state. Hence these proposals being raised should be rejected by the Commission. If there is an additional expenditure, it has to be borne by the government.

DISCOMS' Response: The reasons for the increase in the cost of purchase of electricity are given which are available on the website of the Commission.

That in the context of reforms, a regulatory system was set up to protect the interests of the people and consumers. There seems to be a mismatch between goals and practice. ERC is failing to protect the interests of consumers. Governments are undermining Regulatory Commissions. The opinions of the people, communities, and consumers are not taken into

account. Gradually confidence in these systems is waning. Distribution companies are not acting in a transparent and accountable manner. Public hearings are becoming a routine affair. Much of the information placed on the website on these true-up charges proposals is not visible, not understandable, and without enough information. The amount of electricity consumed by various subsidised consumers including agricultural consumers is not made public. The FPPCA calculated by excluding them is not clarified. The quantum of the reduced electricity generation from approved thermal plants and fixed charges paid therefor are not explained. Though repeatedly asked for prior information in several hearings, it was not furnished. The Commission is failing to arrange to provide adequate information by the DISCOMS to individuals & organizations who object to the proposals. It is not of much use to conduct hearings without details and information.

DISCOMS' Response: The FPPCA is calculated as a whole and the subsidy amount will be collected from the government. The details in the format given in the annexure to FPPCA proposals are as per Regulation 4 of 2021 and have been verified by the auditor. Other information sought by the objectors such as details of discontinued/reduced production at thermal stations, details of the short-term purchases, and the details of the cost of backing down were provided to all objectors and made available on the DISCOMS' websites, and the same is also available on the Commission's website.

That the policies of the central and state governments are destroying the power sector. Burdens are being placed on the consumers. The central government created an artificial scarcity of coal and this has resulted in an exponential increase in the rates of coal. Sources in the state government announced that one unit of electricity has also been purchased in the open

market for Rs 20 per unit. This is nothing but a scarcity created by corporate companies and governments. Long-term agreements (PPAs) made for the generation and purchase of power are causing serious damage. Pollution has to be avoided and the environment has to be protected. But the agreements made in the purchase of renewable energy remain a serious burden on the people. Power generation at thermal stations is being stopped/ Reduced for the purchase of non-conventional power from private power companies and Fixed charges are being paid even if electricity is not generated. Non-conventional electricity is being purchased at high rates. Rules and regulations are not followed in short-term purchases of electricity. The burden is increasing with the purchase of electricity at higher prices in the name of continuous power supply. Purchases are being made without the approval of the Regulatory Commission and contrary to the guiding principles set by it. There is also no transparency in these purchases, leaving scope for corruption.

DISCOMS' Response: The DISCOMS are procuring electricity as per the agreements (including renewable power) approved by the Commission. On examination of the availability of the actual power plants committed and the approved availability information, it can be seen that due to the shortage of power availability, the DISCOMS have made purchases to meet the grid demand. The details of these purchases are sent to the Commission periodically for verification.

Commission's view, analysis, and decision on the objections/views/suggestions, and the responses of the DISCOMS

30. Based on the objections/views/suggestions, and the responses of the DISCOMS detailed in paragraphs supra, the following would emerge for the

Commission's view, analysis, and decision.

- a. **The history, concept, and essence of FPPCA/Power Purchase costs' True-up**
- b. **The Delay in filings**
- c. **Adoption of T&D loss percentage in the computation of FPPCA**
- d. **Interpretation of regulation on the exclusion of short-term power purchases and sales to subsidized categories in the computation of FPPCA**
- e. **Non-submission of the fuel bills along with FPPCA proposals**
- f. **Compliance with the directions of the Commission issued in MYT order on APGENCO's station's tariffs**
- g. **Reasons for variations in despatch and costs of different sources shown in FPPCA filings including purchases from the market/exchanges on a short-term basis**
- h. **Revision of tariff regulations**
- i. **Admissibility of the past claims in FPPCA proposals**
- j. **The power purchase price per unit to be considered for inter DISCOM transfer of energy**
- k. **Income from the sale of RECs by APSPDCL**
- l. **Backing down costs and merit order violation**
- m. **Necessity, Quantum, prudence, and Price are to be considered with regard to short-term power purchases made by the DISCOMS.**
- n. **Dispensing with the system of true-up/true-down on a quarterly basis to include the same in the ARR and tariff revision petitions for the next**

financial year or Annual True-up coincident with Tariff Exercise.

- o. Collection of FPPCA amounts from the subsidised categories and applications by the DISCOMS for excess sales if any to this category**
 - p. Admissibility of Unscheduled Interchange/Deviation charges in FPPCA claims**
 - q. Claims of fixed costs by thermal plants vis a vis their actual availability factors**
 - r. Permissibility of variable cost per unit over and above the approved price per unit in RST Order in respect of thermal plants**
 - s. PP costs claimed without any despatch of energy**
 - t. Levying the Delayed Payment Surcharge (DPS) on all Government Receivables**
 - u. Electricity duty on power looms**
 - v. The additional burden due to FPPCA admissibility shall be borne by GoAP.**
 - w. Failure of the Electricity Regulatory Commission in protecting the interest of consumers and ensuring adequate information to the stakeholders on FPPCA filings.**
 - x. Reduction of power procurement compared with the Commission's approval shall lead to true-down, but the DISCOMS claimed True-up.**
 - y. Uniform FPPCA across the DISCOMS**
31. The Commission's view, analysis, and decision on all the points mentioned in the previous paragraph, each point wise is detailed in subsequent paragraphs.
32. **The history, concept, and essence of FPPCA/Power Purchase costs' True-up:** In the light of some of the objectors' stiff opposition to the FPPCA charges or true-up of power purchase costs, it is relevant to discuss the

history, concept, and essence of FPPCA charges/True-Up of power purchase costs. Prior to the commencement of the Andhra Pradesh Electricity Reform Act, 1998, the Electricity Board used to collect additional expenditure incurred for generation/power purchase in the form of fuel cost adjustments. Under section 3(1) Electricity Reforms Act, 1998, Andhra Pradesh Electricity Regulatory Commission has been established, which was vested with the power to grant licences and fix tariffs for the supply of power. Section 26(9) of the Act laid down that no tariff or part of tariff required to be determined under sub-section (6) of section 29 may be amended more frequently than once in any financial year ordinarily except in respect of any changes expressly permitted under the terms of any fuel surcharge formula prescribed by the regulations. Section 62(4) of the Electricity Act, 2003 is in pari materia with Section 26(9) of the Act of 1998. By virtue of the power conferred under sections 9(2) and 54(2) of the Act of 1998, the A.P. Electricity Regulatory Commission has framed the Andhra Pradesh Electricity Regulatory Commission (Conduct of Business) Regulations, Under Regulation 45-B of the first amendment to the said conduct of business regulation, fuel surcharge adjustment formula was prescribed in the year 2000 and the same was in force with certain modifications from time to time till Regulation 1 of 2014 came into effect.

As per Section 62(4) of the Electricity Act 2003, no tariff or part of any tariff may ordinarily be amended more frequently than once in a financial year except in respect of any changes expressly permitted under the terms of any fuel surcharge formula as may be specified. The Tariff Policy notified by the Government of India specifies that uncontrollable costs should be recovered speedily to ensure that future consumers are not burdened with past costs. Uncontrollable costs would include (but not limited to) fuel costs, costs on

account of inflation, taxes, and cess, and variations in power purchase unit costs including adverse natural events. Therefore, the Appropriate Commission shall specify an appropriate price adjustment formula for recovery of the costs, arising on account of the variation in the price of fuel, power purchase, etc. on a monthly/quarterly basis for recovery of all prudent costs of the generating company and the licensee. As per APERC Regulation 4 of 2005, the cost of power purchase is an uncontrollable item.

The erstwhile APERC of undivided AP State introduced an annual true-up mechanism by Regulation 1 of 2014, amending the Principal Regulation 4 of 2005. Before the above amendment, the practice of determining quarterly Fuel Surcharge Adjustment (FSA) was in vogue till the FY 2012-13 in the undivided State of AP. As a result of the amendment, the DISCOMs were denied the opportunity to recover the variation in power purchase cost through the levy of a fuel surcharge every quarter and the arrears have been accumulating on account of variations in power purchase costs till the end of the year, and until the accounts are finalized, audited and certified. Hence, Regulation 1 of 2014 was again amended allowing the DISCOMS to recover the power purchase cost variations quarterly by APERC Regulation 4 of 2021. Further, it is pertinent to reproduce the Commission's statement at Para 122 of the Retail Supply Tariff Order for FY2021-22 below:

"122. The power purchase costs and energy availability/despatches projected by the Commission 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, 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 Regulation”

Therefore when the tariffs are fixed on the basis of estimated costs, the gap between the estimates/projections and the actuals is bound to occur and a zero gap is impossible to achieve given the practical constraints in making ideal estimates and the resulting variations which are plus or minus have to be adjusted subsequently. The Commission has been striving in every RSTO to minimize this gap to the extent possible. Regulation 4 of 2021 provides for a clear mechanism for dealing with power purchase cost variations. The true purport of the Regulation is to allow variation between the estimated expenditure and the actual expenditure. Hence, recovery of the expenditure incurred in excess of the estimate can neither be treated as an increase in tariff or imposition of additional burden on the consumers nor the same could be termed as unjust or illegal. This amount is part of the actual tariff as against the estimated tariff paid by the consumer, pending finalisation of accounts. Indeed without such exercise, the DISCOMS will not be able to recover the actual expenditure incurred by them in supplying power to the consumers. Therefore, the Commission sees no justification for the stakeholders to raise objections to the initiation of this exercise and recovery of the additional costs legitimately incurred by the DISCOMS. In the light of the statutory mandate to undertake this exercise, non-observance of this essential process by certain ERCs was frowned upon by the APTEL in its order dated 11-11-2011 in O.P.No.1 of 2011. Further, the Hon'ble Supreme Court in its judgment dated 05.07.2016 in CIVIL APPEAL NO 5542 OF 2016 held that “the Fuel surcharge is really a surcharge levied to meet the increased cost of generation and purchase of electricity and the scope cannot be circumscribed by its nomenclature. Thus the formula in Regulation 45B and the FSA determined by the Commission would take into consideration various

factors which result in the increased cost of generation and purchase of electricity”.

In view of the foregoing, the Commission is under statutory obligation to entertain the claims made by the DISCOMS and pass on the differential cost between the estimated and actual expenditure to the consumers.

33. **Delay in filings:** The date of filings of FPPCA petitions and the date stipulated by the extant regulations for each quarter are tabulated in the table below for an examination of the delay pointed out by the various objectors:

Quarter	Date of filing to be made as per the Regulation with grace period	Actual date of filing by the DISCOMs		
		APSPDCL	APEPDCL	APCPDCL
Q1	30.09.2021	30.09.2021	30.09.2021	30.09.2021
Q2	31.12.2021	31.12.2021	31.12.2021	31.12.2021
Q3	31.03.2022	17.03.2022	21.03.3021	21.03.3021
Q4	30.06.2022	30.06.2022	30.06.2022	30.06.2022
Revised Filings Q1, Q2, Q3	23.04.2022	09.06.2022	06.06.2022	31.05.2022

As could be seen from the above table, the DISCOMS have filed FPPCA applications for all quarters within the grace period.

As per clause 12.5 of Regulation, 4 of 2021, the Distribution Licensee shall file an application for FPPCA within two months from the end of every quarter for that quarter before the Commission. If the Distribution Licensee is unable to file the FPPCA within two months, it may file the same within a further grace period of up to one month. The clause further provides that after examining the request of the Distribution Licensee, the Commission may entertain the claims, if it is satisfied with the reasons submitted by the Distribution Licensee for the delay in the filings. Further as per clause 12.5

(b), If the Distribution Licensee fails to file FPPCA for any quarter within two months or within the grace period of one month from the end of that quarter, its claim for upward revision shall stand forfeited. The reasons stated by the DISCOMS for the delay are that there was a slight delay in the compilation of accounts for the power purchase for the first quarter unlike annual accounts finalisation after the year-end, that for the second and third quarters, the delay was due to paucity of time amid ARR & FPT filings, hearings and submission of data for Tariff preparation and True-up for FY 2020-21 besides processing of Approved Auditor Certificates for the Quarters month wise. For the fourth quarter it was explained, there was a delay in the compilation of accounts for the power purchases as the additional liability arose in the wake of the judgment of the Hon'ble High Court of A.P dated 15.03.2022 in the matter of review of PPAs. The DISCOMS have also stated that they could not file the revised claims within the time granted by the Commission due to the administrative delay in scrutiny of monthly accounts as part of final annual accounts for arriving at the power purchase cost variation in respect of NCE generators (Wind and Solar) in accordance with the Judgement of Hon'ble High Court of AP dated 15.03.2022. After examining the explanation furnished by the DISCOMS, the Commission is satisfied that there existed sufficient reasons for filing of the claims during the grace periods. Hence, the Commission is inclined to entertain the applications filed by the DISCOMs for adjudication on merits.

34. **Adoption of T&D loss percentage in the computation of FPPCA:** As per clause 12.5 of Regulation 4 of 2021, the weighted average Transmission and Distribution losses (%) approved by the Commission for the Distribution Licensee for the quarter for which the Distribution Licensee is seeking 'FPPCA' or actual weighted average Transmission and Distribution losses (%)

for the corresponding quarter of the previous year for that Distribution Licensee, whichever is lower are to be adopted by the DISCOMS for computation of FPPCA. The comparative table is prepared on T&D loss percentages as approved by the Commission for FY 2021-22 in its RTS Order, as per filings, and the actual loss percentage as reported in the annual reports for FY 2020-21 by the DISCOMS as shown below:

Q u a r t e r	APSPDCL			APEPDCL			APCPDCL		
	As per RST Order FY 2021-22	As per filings	Actual loss as per Annual Reports for FY 2020-21	As per RST Order FY 2021-22	As per filings	Actual loss as per Annual Reports for FY 2020-21	As per RST Order FY 2021-22	As per filings	Actual loss as per Annual Reports for FY 2020-21
Q1	10.68	10.08	10.08	8.90	8.17	8.17	10.77	10.58	9.78
Q2	10.68	9.86	10.08	8.90	8.17	8.17	10.77	10.55	9.78
Q3	10.68	10.08	10.08	8.90	8.17	8.17	10.77	10.58	9.78
Q4	10.68	10.08	10.08	8.90	8.17	8.17	10.77	10.58	9.78

As could be seen from the above table, the actual T&D loss percentage for FY2020-21 is less than the T&D loss percentage approved by the Commission for FY 2021-22 in all three DISCOMS, and therefore, the Commission decides to adopt the actual loss percentage of respective DISCOMS of FY 2020-21 for each quarter of filings as per Regulation in vogue.

35. **Interpretation of regulation on the exclusion of short-term power purchases and sales to subsidised categories in the computation of FPPCA:** As per clause 12.5 (C) of Regulation 4 of 2021, the Distribution Licensee is permitted to pass on the variations (true-down or true-up) in fuel costs (variable costs) based only on the actual bills admitted by it from the approved sources (excluding purchases from exchanges) for a quarter on its own subject to a ceiling of 50 paise/unit as per the formula specified in this Regulation to all the categories of consumers (except agricultural consumers)

automatically in the CC charges of the month(s) that immediately follow that quarter on a provisional basis subject to the adjustment of the same based on the subsequent determination of FPPCA by the Commission for that quarter. In respect of agricultural consumers, the Distribution Licensee may claim upward revision in fuel costs (variable charges), if any, from the Government. The Regulation does not lay down that FPPCA shall be arrived at after excluding AGL consumption. As rightly stated by the DISCOMs, this clause has been completely misinterpreted by the objectors in their submissions. The DISCOMs are entitled to recover FPPCA claims based on per unit variation in power purchase cost considering the total sales pertaining to all categories including subsidised consumers and the DISCOMs may claim FPPCA charges in respect of the subsidised consumers from the GoAP as per the Regulation. Further, the exclusion of short-term purchases is confined only to provisional recovery and the Regulation does not exclude short-term power purchases in the final computation of FPPCA by the Commission.

36. **Non-submission of the fuel bills along with FPPCA proposals:** As per clause 12.5 of Regulation 4 of 2021, the filing shall be accompanied by purchase details source-wise for the quarter along with the monthly breakups duly certified by the auditor in the format specified in the Regulation. The DISCOMs made the filings as per the said clause and no deviation is observed in this regard. The extant Regulation does not insist that DISCOMs shall file supporting invoices along with the claims. However, as per clause 16 (1) of Regulation 2 of 1999, the Commission may, at any time before passing orders on the matters, require the parties or any one or more of them or any other person whom the Commission considers appropriate, to produce such documentary or other evidence as the Commission may consider necessary for the purpose of enabling it to pass orders. Accordingly, it directed all

information that was requested by the objectors and required by the Commission for scrutiny during the hearings. In compliance with the directions of the Commission, the DISCOMS have furnished the category-wise sales of agricultural consumers under the free power category, availability of all thermal plants, source-wise short-term power purchases, backing down details, etc, in addition to making the availability of their power purchase variations in excel sheets to all stakeholders. In respect of fuel invoices, DISCOMS offered an inspection of their records by any interested stakeholder(s) at the office in Vijayawada citing the reason for the voluminous record for not filing before the Commission. In this regard, the Commission deputed three of its officers from 11.10.22 to 13.10.22 to the DISCOMS' APPCC office for verification of the systems and procedures in place for processing bills by the DISCOMS, random verification of fuel variation bills already admitted and also to the APGENCO's thermal plant at Vijayawada for verification of the systems/mechanisms established by it for verification of correct grade, quality, and quantity of the coal corresponding to the bills raised by the coal supplier. Accordingly, the Commission officers visited the APPCC office on 11.10.2022 and verified randomly one power purchase invoice of CG stations for the month of April 2022 and one power purchase invoice of APGENCO for the month of July 2022 and observed that the bills are scrutinised with reference to normative parameters specified in relevant Regulations and no deviations are found. However, the GENCOs are not submitting invoices for the fuel, and transportation of fuel but submitted the consolidated information in a format specified by the Central Commission. Based on the information in the format, the DISCOMS are computing the backend calculations for ensuring the correctness of the grade and its cost. The Commission officers visited the VTPS plant on 12.10.2022 and observed

the following in VTPS for complying with the directions issued in MYT Order dated 29.04.2019 on APGENCO's station's tariffs for the 4th control period in respect of coal grade variations, and receipt of the correct quantity of the coal as per invoices.

Weighing of Coal:

The quantity of coal received is computed by in motion Weigh Bridge at the entry point of the VTPS power plant. It is functional during the inspection.

Sampling procedure

APGENCO has engaged the third-party agency-Central Institute of Mining and Fuel Research (CIMFR) - as per the Tripartite agreements entered with the coal supplier company. The officers of the Commission have verified the sampling procedure of coal, the coal testing lab at VTPS, test records of coal samples and GCVs and NCVs, etc, and found that there are no reportable deviations in this regard. It is also observed by the officers of the Commission that APGENCO is making regular correspondence with MCL and SCCL on grade variations. They also verified the record of correspondence made on **Grade variation and bills** with MCL and SCCL on 19.09.2022 to credit Rs.1,02,19,305/- and Rs.4,62,42,091 respectively towards grade slippage between invoice grade and 3rd party sampling at loading end as per the CSIR-CIMFR analysis reports for the rakes received during the month of June-2022. APGENCO has also shown the officers the contract that is awarded for the supervision of coal loading at mines, to ensure proper loading of coal into the wagons up to permissible carrying capacity and to minimise penal charges levied by Railways such for Overloading, Idle freight, etc, Receipt of correct quantity and quality of coal at Power Plants, and to the maximum realisation of coal supplies from coal mines. The penalties on the contractors for enforceability of the contract conditions are also in place. The

officers of the Commission have not observed any undesirable practices or adverse features in this regard. The Commission will continue to depute its officers for random inspection of power plants supplying power to the DISCOMS periodically to ensure the correctness of fuel bills raised by GENCOs. **However, DISCOMS shall undertake periodical inspections of power plants every month in order to verify the invoices and the systems in place for ensuring the correctness of fuel grade and rate henceforth in addition to insisting on the original invoices of coal supply and transport and other charges along with consolidated abstract for easy verification.** In light of the above, the Commission will now proceed to examine the variable cost per unit of each thermal power plant in the filings with reference to its RST Order for admission in the following paragraphs.

37. **Compliance with the directions of the Commission issued in MYT order on APGENCO's station's tariffs:** The Commission perused the compliance report furnished by it and accepts the same. **However, APGENCO shall furnish compliance reports to the Commission at the periodicity specified in MYT Order on various directions and the DISCOMS shall ensure that all the directions of the Commission are complied with by APGENCO while admitting its bills on variable charges for the energy supplied every month. If any direction is not complied with by APGENCO, the same shall be brought to the notice of the Commission for necessary action.**
38. **Reasons for variations in despatch and costs of different sources shown in FPPCA filings including purchases from the market/exchanges on a short-term basis:** The DISCOMS provided the information required by the objectors, and on examination of the same, the Commission is satisfied with and the same are discussed in detail in following paragraphs.

39. **Revision of tariff regulations:** The Commission would examine the necessity or otherwise of revision of tariff regulations and take steps accordingly.
40. **Admissibility of the past claims in FPPCA proposals:** As per clause 12.5 of Regulation 4 of 2021, the filing shall be accompanied by power purchase details source-wise for the quarter along with the monthly breakups duly certified by the auditor as per the format annexed to the Regulation. The format inter alia specifies past claims/ refunds if any, pertaining to the quarter(s) prior to the quarter for which FPPCA is being filed as one of the items in seriatim for the computation of FPPCA and the Commission examines such claims made by the DISCOMS in their filings thoroughly before admission.

The DISCOMS claimed past claims in the second and fourth quarters.

The details of past claims for the second quarter by the three DISCOMS together are shown in the table below:

Previous claims	Difference of energy (MU)	Difference of cost (Rs Crs)
NCE Wind	276.24	118
NCE Solar	-22.32	

The DISCOMS have stated that the adjustments pertaining to the wind and solar power of the 1st quarter have been claimed in the second quarter due to late receipt of bills. The cost difference is mainly due to taking into account the PPA tariff of RE projects in place of ad hoc tariffs as approved in the Tariff Order, consequent to the judgment of the Hon'ble High Court.

The DISCOMS have claimed Rs.187.48 Crores in the fourth quarter with the explanations as furnished hereunder:

- Initially the DISCOMS admitted a fixed cost of Rs.592.5 Crs for four quarters as per the consolidated claim in respect of RTPP-IV Station against the approved amount of Rs 768 Crs in the Tariff Order for FY2021-22. Later,

after the certification was made available by SLDC, the admissible amount for the entire year stood at Rs.611.68 Crs for a cumulative availability of 67.7%. Thus, an additional amount of Rs.19.04 Crs.

- For the temporary allocation given from NTPC Dadri Station during Sept-2019, which was under annual overhaul at that time, NTPC raised FC of Rs 25 Crs. The DISCOMs didn't pay the bill pertaining to this claim in October 2019 and deducted the amount from its bill. DISCOMs raised this issue before Hon'ble CERC vide petition no: 330/MP/2020 and the dispute was settled in March 2021 in favour of DISCOMS. After the dispute was settled, NTPC was given the credit in their May 2021 bill and the same was admitted by the DISCOMs despite the deduction already accounted for in the October 2019 bill. After reconciliation in the fourth quarter of FY 2021-22, the amount of Rs 25 Crs which was deducted a second time from the NTPC May 2021 bill is adjusted thus causing the expenditure of Rs 25 Crs.
- The generator SEIL (Thermal Powertech) has filed Petition No. 217/MP/2016 before Hon'ble CERC seeking compensation on account of a Change in Law under Section 79 of the Electricity Act, 2003 and Article 10 (change in law) of the Power Purchase Agreement. The Hon'ble CERC has taken up Petition217/MP/2016 and an order was passed on 21-08-2020 in favour of SEIL. As there is no valid ground to appeal against the CERC order, it was proposed to make the payment of Rs.103.80 Cr, and the same was accounted for in the fourth quarter.
- The excess cost incurred towards RTDA charges for the market transactions of short-term power procurement. The major cost difference in wind variable costs i.e. around 103 Crs pertains to developers Vayu (GBI & CUF), MGM Spring, G Shoe Export, RCI power, and Bharat wind farms. The other minor costs pertain to other developers due to the late receipt of bills.

After carefully examining the above submissions, the Commission is satisfied that the DISCOMS claimed expenditure is genuine and hence deserves to be accepted. Accordingly, the past claims as filed in the second and fourth quarters are allowed.

41. **Power purchase price per unit to be considered for inter DISCOM transfer of energy:** The power is purchased by the three DISCOMS together from the approved sources and shared capacities in accordance with the ratio prescribed by the State government. This will inevitably lead to inter-DISCOM transfer of energy. While mapping the energy requirement of each DISCOM with its share of energy available from all the stations, if any shortfall is noticed, the same is adjusted from the surplus of the other DISCOMS in the RST order. As RE capacities were shared among the DISCOMS during FY2021-22 on a geographical basis as per Govt. orders, the shortage of RE to meet RPO arose for EPDCL and CPDCL, and accordingly, the Commission directed EPDCL and CPDCL to procure the shortfall in RE from the surplus of SPDCL to avoid RECs burden proposed on the consumers during FY 2021-22 in their ARR. The Commission's directions in the RST order for FY 2021-22 in this regard on the rates to be adopted for the inter-DISCOM transfer of energy are reproduced below:

“The rates for the energy transfer among the DISCOMs are the ad-hoc tariff paid by the APSPDCL to wind and solar plants for the renewable energy and at the rate of average power purchase cost determined by this Commission in this order for APSPDCL in respect of the conventional energy. However, the DISCOMs are at liberty to approach this Commission once the uncertainty on unit rates for wind and solar power ends”.

The DISCOMS have stated that the average power purchase cost per unit of the contributing DISCOM is adopted for the inter-DISCOM transfer of energy. The details of D-D transaction of energy and the rate adopted per unit for

such transfer of energy is given in the table below:

Quarter	Particulars	Despatch (MU)			VC (Rs.Cr)			
		Approved	Actual	Variance	Approved	Actual	Variance	PP Cost DISCOM - DISCOM (Rs/Unit)
Q1	Sale to EPDCL	1768.88	1603.48	-165.40	516.51	680.98	164.47	
	Sale to CPDCL	887.50	914.73	27.23	260.04	388.38	128.34	
	Total sale by SPDCL	2656.38	2518.21	-138.17	776.55	1069.36	292.80	4.25
	EPDCL	1768.88	1603.48	-165.40	516.51	680.98	164.47	
	CPDCL	887.50	914.73	27.23	260.04	388.38	128.34	
	Total purchases	2656.38	2518.21	-138.17	776.55	1069.36	292.80	4.25
Q2	sale to EPDCL	1073.85	1948.22	874.37	313.56	876.48	562.92	
	Sale to CPDCL	797.99	1124.71	326.72	233.81	505.83	272.02	
	Total sale by SPDCL	1871.84	3072.93	1201.09	547.38	1382.32	834.94	4.50
	EPDCL	1073.85	1948.22	874.37	313.56	876.48	562.92	
	CPDCL	797.99	1124.71	326.72	233.81	505.83	272.02	
	Total purchases	1871.84	3072.93	1201.09	1642.13	1382.32	-259.81	4.50
Q3	sale to EPDCL	900.58	1321.68	421.10	262.97	583.01	320.04	
	Sale to CPDCL	580.32	708.80	128.48	170.03	316.21	146.17	
	Total sale by SPDCL	1480.90	2030.48	549.58	433.00	899.22	466.21	4.43
	EPDCL	900.58	1321.68	421.10	262.97	583.01	320.04	
	CPDCL	580.32	708.80	128.48	170.03	316.21	146.17	
	Total purchases	1480.90	2030.48	549.58	433.00	899.22	466.21	4.43
Q4	sale to EPDCL	975.61	1473.76	498.15	284.88	671.38	386.51	
	Sale to CPDCL	628.67	467.19	-161.48	184.20	212.74	28.54	
	Total sale by SPDCL	1604.28	1940.95	336.67	469.08	884.12	415.04	4.56
	EPDCL	975.61	1473.76	498.15	284.88	671.38	386.51	
	CPDCL	628.67	467.19	-161.48	184.20	212.74	28.54	
	Total purchases	1604.28	1940.95	336.67	469.08	884.12	415.04	4.56
FY 2021-22	sale to EPDCL	4718.92	6347.14	1628.22	1377.92	2811.85	1433.93	
	Sale to CPDCL	2894.48	3215.43	320.95	848.08	1423.15	575.07	
	Total sale by SPDCL	7613.40	9562.57	1949.17	2226.01	4235.01	2009.00	4.43
	EPDCL	4718.92	6347.14	1628.22	1377.92	2811.85	1433.93	
	CPDCL	2894.48	3215.43	320.95	848.08	1423.15	575.07	
	Total purchases	7613.40	9562.57	1949.17	2226.01	4235.01	2009.00	4.43

The Commission also examined the details of PP cost per unit of APSPDCL, its PP cost for RE vis a vis the rate adopted for sale to other two DISCOMS as shown in the table below:

Quarter	Average PP cost per unit in Rs. of SPDCL	Unit Rate for sale to EPDCL in Rs.	Unit Rate for sale to CPDCL in Rs.	Average PP cost per unit of RE -SPDCL
Q1	4.31	4.25	4.25	4.51
Q2	4.51	4.5	4.5	4.52
Q3	4.48	4.41	4.46	4.14
Q4	4.56	4.56	4.55	4.41
FY 2021-22	4.47	4.43	4.43	4.43

Though the DISCOMS have stated that the average PP cost per unit of the contributing DISCOMS ie; APSPDCL, has been adopted for inter DISCOM transfer of energy, as can be seen from the tables above, there is a four paise difference between the pp cost per unit of APSPDCL and the rate adopted for its sale to other two DISCOMS for a whole year. There is no dispute among the DISCOMS on the same. Further, there is no difference between the average pp cost per unit of RE Energy procured by SPDCL and the rate adopted for sale to the other two DISCOMS. Hence the contention of one of the stakeholders during the hearings that the power procurement of RE at a higher rate is one of the reasons for higher FPPCA claimed by APSPDCL is not correct. However, to address the anomalies if any, the Commission decides to relook into the FPPCA proposals to bring FPPCA per unit in all DISCOMS near to uniformity as requested by some objectors as detailed in the following paragraphs.

42. **Backing down costs and merit order violation:** The fixed cost payments to the thermal generators shall be made as per their actual availability based on norms or as per the PPA conditions. Any lesser despatches from these stations due to lean demand during some periods of the year, and also to accommodate the NCE generation due to its must-run status cannot be construed as backing down costs. There are no separate backing-down costs since the same are already subsumed in the fixed costs. In fact, the proposed

guidelines for curtailment of wind and solar power which were prepared by FOR as per the Hon'ble APTEL's directions envisage compensation to wind and solar power developers if their power is curtailed except for grid security or Plant technical minimum maintenance reasons. The must-run status to NCE generation has been granted due to its environmental friendliness and it is to be harnessed as and when available as the storage systems are not being economical yet. Payment of the backing down costs arises only when an approved source is paid fixed costs without utilising it by procuring power from other sources at a higher price than the variable cost of the source not despatched.

As regards the merit order violations, the grid is being operated by SLDC which is a statutory authority as per the provisions of the Electricity Act 2003. The scheduling and despatch of the generators are to be done as per the procedure prescribed in the Scheduling and Despatch code in IEGC. The DISCOMS per se cannot violate the merit order principle. The violations of merit order despatch if any can be seen with a time lag by anyone clicking the link <https://meritindia.in/state-data/andhra-pradesh>,

43. **Necessity, Quantum, prudence, and Price that is to be considered by the Commission with regard to short-term power purchases made by the DISCOMS:**

All the stakeholders strongly objected to the short-term purchases made by the DISCOMS as noted supra. The Commission carefully examined the objections and replies furnished by DISCOMS in this regard. The Commission notices the fact that the cumulative availability of RTPP Stage I to IV, APPDCL, NTPPS I to III, NTPPS IV, and GGPP is less than the normative availability approved during the year 2021-22 as per the certificate furnished by SLDC which is a statutory authority as per the Electricity Act, 2003. The following

table compiled for the total year for three DISCOMS together reflects the shortfall of energy from the approved sources.

Energy Deviation in FY 2021-22

Generating station/ Stage/Source	Despatch (MU)		
	Approved	Actual	Variance
APGENCO Thermal	20016.60	16732.50	-3284.10
APGENCO-Hydel	3212.80	3678.90	466.10
APGENCO-TOTAL	23229.30	20411.40	-2817.90
CGS TOTAL	13262.60	12251.50	-1011.10
Total NCE	16183.90	14356.00	-1827.90
Godavari Gas	1019.20	490.10	-529.10
Thermal Powertech Corporation India	1604.90	1772.30	167.40
SDSTPS (APPDCL)-STAGE 1	11139.20	5290.30	-5848.90
HNPCL	0.00	222.20	222.20
Total Others	13763.40	7774.80	-5988.60
UI	0.00	243.00	243.00
Short Term Purchases	1316.80	11773.00	10456.20
Net Despatch	67756.10	66809.80	-946.30
Past claims/refunds	0.00	-71.10	-71.10
Total power purchase	67756.10	66738.70	-1017.40

As could be seen from the above statement for FY 2021-22, though the total power purchases are well within the limits approved in the Tariff Order, the market purchases exceeded by 10456 MU over the approved quantities. But there is a net shortage of 11645.40 MU in the Despatch of energy from the approved sources. Therefore, the DISCOMS' statement that the short availability from the approved sources necessitated them to make short-term purchases to maintain Grid Demand on a 24X7 basis without any load shedding is undeniable.

The Commission also examined the month-wise, and source-wise market purchases made during FY 2021-22 as compiled in the following tables.

a. **Sourcewise market purchases.**

Short-Term Purchase Source	Energy (MU)	Total Cost (Rs. Crs)	Unit Rate (Rs)
Spectrum Power	203.39	48.20	2.37
LANCO Kondapalli	362.73	85.24	2.35
IEX (including other charges)	10173.88	5691.30	5.59
PXIL (including other charges)	109.85	55.99	5.10
PTC India Ltd (Swapping)-Trading Margin	554.22	207.26	3.74
NHPC LIMITED	60.50	21.72	3.59
KREATE (including other charges)	29.93	12.49	4.17
NVVNL Limited (Trading)	42.98	21.43	4.99
NVVNL-JPL	73.20	34.55	4.72
PTC-OTPC	14.59	6.56	4.50
PTC-SEIL	73.77	35.56	4.82
PTC-EMPL	73.98	35.66	4.82
Total	11773.00	6255.97	5.31

(b) Month Wise Market purchases.

Month	Energy purchased (MU)	Total cost (Rs. Cr)	Unit Rate(Rs)
Apr-21	1729.12	693.88	4.01
May-21	1715.79	551.27	3.21
June-21	921.14	334.28	3.63
Q1	4366.05	1579.44	3.62
July-21	205.78	76.14	3.70
Aug-21	894.04	538.06	6.02
Sept-21	852.04	463.35	5.44
Q2	1951.85	1077.55	5.52
Oct-21	1178.44	1109.55	9.42
Nov-21	645.35	247.76	3.84
Dec-21	846.61	368.16	4.35
Q3	2670.41	1725.47	6.46
Jan-22	659.90	275.19	4.17
Feb-22	577.59	340.83	5.90
Mar-22	1547.19	1257.50	8.13
Q4	2784.69	1873.52	6.73
Total	11773.00	6255.97	5.31

As could be seen from the above tables, out of the total quantity of 11773.00 MUs power purchased from the Market, 10173.88 MUs were purchased from the IEX at Rs.5.59 per unit, 109.85 MU from PXL at Rs.5.10 per unit, 203.39 MU from Spectrum power at Rs.2.37 per unit, 362.73 MU from Lanco Kondapalli at Rs.2.35 per unit, 554.22 MU through swapping, and balance 368.93 MU were procured from other short term sources. Out of the total market purchases, 87.35 % of purchases were made from exchanges. The average price of market purchases is Rs.5.31 per unit for the total year as against the price of Rs.3.70 per unit approved by the Commission in the Tariff Order. The average purchase price for the year from the market is more than the ceiling price of Rs.3.86 per unit in 8 months i.e. April, 21, August 21, September 21, October 21, December,21 January, 22, February 22, and March 22 in FY2021-22. The market purchases were undertaken through a transparent process of bidding in the CERC-regulated power exchanges and the Market prices were determined through an approved algorithm by the CERC under the relevant Regulations. Further, one of the objectors has contended that a mere reduction of fixed charges proportionately for power not generated and supplied as per the threshold level of PLF does not compensate for the additional burden the DISCOMs have to bear for purchasing power on a short-term basis and through the exchange. To examine his contention, the excess cost on account of short-term power purchases (STPP) with reference to payment of less fixed charges (FC) for some GENCOs for not supplying energy as per the approved availability has been analysed. The excess cost incurred for STPP by the DISCOMS in two scenarios are shown below:

Scenario 1:

a) Excess cost of STPP over and above the ceiling price (Rs.3.86) fixed in RST Order

Sl.No	Details	
1	Ceiling of STTP price per unit (Rs.) as per RST Order	3.86
2	Actual STPP price per unit (Rs.) inclusive of PoC charges	5.59
3 = (2)-(1)	Excess cost incurred by the DISCOMS per unit on STPP (Rs.)	1.73
4	Total STPPs of the DISCOMS (MU)	11773
5 = (4)*3	Total excess cost incurred by the DISCOMS on STPPs (Cr) per year	2036.729

Scenario 2

a) Excess cost of STPP over and above the revised approved average power purchase cost (accounting NCE rates as per PPAs) in the RST Order.

Sl.No.	Details	
1	Approved STTP price per unit (Rs.) at the rate of revised average power purchase cost per unit by modifying the total Approved PP cost with NCE cost variations	4.20
2	Actual STPP price per unit (Rs.) inclusive of PoC charges	5.59
3 = (2)-(1)	Excess cost incurred by the DISCOMS per unit on STPP (Rs.)	1.39
4	Total STPP of the DISCOMS (MU)	11773
5 = (4)*3	Total excess cost incurred by the DISCOMS on STPP (Cr) per year	1636.45

The ceiling price for short-term power is fixed by the Commission based on the market scenario in FY 2020-21 and the DISCOMS have purchased short-term power during FY 2020-21 @ average rate of Rs.3.50 per unit. But, in FY 2021-22, due to many unforeseen reasons, the demand for power had gone up and accordingly, the prices in the exchanges reached new highs in history. Therefore, in the Commission's view, taking scenario 2 appears more appropriate for post-facto comparison in view of the special circumstances under which the STPPs were made by the DISCOMS to compare the excess costs incurred by them with the deducted fixed charges from GENCOs for not

supplying required energy as per normative availability approved by the Commission. The details of deducted Fixed charges are given in the table below:

Sl.No	Details	
1	Deduction of FC from APGENCO due to less availability (Cr.)	316
2	Deduction of FC from APPDCL due to less availability (Cr.)	919
3 = (1) + (2)	Total FC deducted from GENCOs for less availability (Cr) by DISCOMS	1235

As could be seen from the excess cost incurred in scenario 2 and deducted fixed charges from GENCOs for not supplying energy as per the normative availability which is the main reason for resorting to short-term power purchases by the DISCOMS, the STPP cost incurred has exceeded the deducted FC charges by about 401 crores which are approximately 0.34 paise per unit on total STPP. As stated by DISCOMS, the Coal shortage which crippled the entire Country during Sept/Oct and Feb/March of the last Financial Year 2021-22 was the reason for the higher rates in the market and this cannot be denied. The prices discovered in the exchanges are based on the Demand and Supply situation prevailing at the time of purchase. The per unit rates in the exchanges during peak hours are usually higher than the ceiling rates approved by APERC as per the daily exchange reports being furnished by DISCOMS to the Commission. The Commission, while considering the rate for market purchases in RST Order for FY 2021-22 could not have anticipated the coal shortage situation that emerged during FY2021-22 due to unprecedented increased demand for power as can be seen from the various reports of the Ministry of Power and CEA. Also, the Commission permitted the DISCOMS to procure power through Energy

exchanges in exigencies in the RST Order for FY 2021-22. The relevant part of the RST order is reproduced for ready reference.

“Para 104, Page no 94

If any shortfall is observed in any time block for various reasons, in all such cases the licensees may procure the shortfall energy through Power Exchanges, using day ahead/intraday/real-time mechanisms with prior/simultaneous intimation to the Commission. The short-term purchase price which is the weighted average landed price per month at AP periphery inclusive of all incidental charges associated with it such as CTU, STU, and other charges as applicable, shall not exceed the ceiling price (Rs.3.86/unit) which is the marginal variable cost (Rs.3.86/unit) of the last station dispatched in this order. All such details of purchases shall be furnished to the Commission fortnightly in the form of a statement for periodical ratification. If the weighted average price exceeds the ceiling price in any month, the reasons and justification for such purchase at a higher price shall be furnished in the reports.” (Emphasised)

From the above RST order, it is clear that the DISCOMs must justify purchases made in excess of the ceiling price, in order to claim True up of the excess expenditure on STPP. In view of the acute shortage of coal, leading to short generation by the thermal units of GENCOs, the DISCOMS have resorted to market purchases, paying higher prices. All such reports have been furnished by the DISCOMS on a daily, fortnightly, and monthly basis to the Commission. The DISCOMS also have the approval of the Commission for purchases made from sources other than the exchanges. One of the objectors contended that when the price paid for the purchase of power in the market and through exchanges per kWh and fixed charge per kWh paid for power backed down during the same period put together exceed the total price per kWh to be paid for purchasing the power backed down, it is not beneficial but

imposes additional burdens on the consumers. In this regard, as can be seen from the above discussion, the DISCOMS have made short-term power purchases to meet the slippage of generation from the approved sources but not to save the power purchase costs by backing down the approved sources. Therefore, the comparison or verification as contended by the objectors does not arise and hence there is no additional fixed cost on account of short-term purchases.

In view of all the reasons mentioned above, the Commission is inclined to accept the market purchases made by the DISCOMS at the quantum and rate as filed.

44. **Dispensing with the system of true-up/true-down on a quarterly basis to include the same in the ARR and tariff revision petitions for the next financial year or Annual True-up coincident with Tariff Exercise:** The Commission has specified FPPCA formula by Regulation 4 of 2021 based on the petitions filed by the DISCOMS dispensing with the Annual True-up system. The very object of the Regulation is to recover the variations in power purchase costs as soon as possible by DISCOMS. Hon'ble APTEL in its Order dated 11.11.2011 in O.P. No.1 of 2011 held that Fuel and Power Purchase cost is a major expense of the Distribution Company which is uncontrollable and directed the State Commissions to put in place a mechanism for Fuel and Power Purchase costs adjustment in terms of Section 62 (4) of the Act, preferably on monthly basis on the lines of the Central Commission's Regulations for the generating companies but in no case exceeding a quarter. The extant regulation allows DISCOMS to recover the Fuel and Power Purchase costs adjustment on a quarterly basis. However, due to the regulatory process, it is getting delayed. Therefore, in order to comply with the

directions of Hon'ble APTEL the Commission has issued draft regulation 2 of 2023 proposing to amend the Principal Regulation appropriately. Hence reverting back to the annual true-up system is not appropriate.

45. **Collection of FPPCA amounts from the subsidized categories and applications by the DISCOMS for excess sales if any to this category:** As per extant regulation, the DISCOMS may raise the FPPCA amounts in respect of subsidised consumers from the GoAP, and there will not be any additional burden on the other categories, as elucidated in Annexure XIV. The DISCOMS have already clarified the same while furnishing replies to the objectors on this issue. As can be seen from the data furnished by the DISCOMS, the actual sales of subsidised categories under the free power category are less than the approved sales by the Commission and therefore, there is no necessity to file a claim for any extra subsidy by the DISCOMS, and in fact, they have to return the excess subsidy to the GoAP from the approved subsidy they received on account of lesser sales. The FPPCA claims based on the actual sales as furnished by the DISCOMS are shown below:

APSPDCL

Sl.No.	Quarter	Approved Sales (MU)	Actual Sales (MU)	FPPCA Rate (Rs/Unit)	Expected Amount to be claimed from GoAP(Rs. Cr)
(a)	(b)	(c)	(d)	(e)	(f)=(d) x (e)/10
1	Q1	2155.91	2010.2	0.4688	94.24
2	Q2	1711.08	1647.91	0.9084	149.70
3	Q3	1407.16	935.98	0.7536	70.54
4	Q4	2804.33	2198.68	1.0682	234.86
5	Total	8078.48	6792.77		549.33

APEPDCL

Sl.No.	Quarter	Approved Sales(MU)	Actual Sales (MU)	FPPCA Rate (Rs/Unit)	Expected Amount to be claimed from GoAP(Rs. Cr)
(a)	(b)	(c)	(d)	(e)	(f)=(d) x (e)/ 10
1	Q1	747.96	668.59	0.0669	4.47
2	Q2	366.24	404.91	0.4282	17.34
3	Q3	484.53	384.46	0.4059	15.61
4	Q4	1019.44	755.03	0.7967	60.15
5	Total	2618.17	2212.99		97.57

APCPDCL

Sl.No.	Quarter	Approved Sales(MU)	Actual Sales (MU)	FPPCA Rate (Rs/Unit)	Expected Amount to be claimed from GoAP(Rs. Cr)
(a)	(b)	(c)	(d)	(e)	(f)=(d) x (e)/ 10
1	Q1	512.98	436.42	-0.0127	-0.55
2	Q2	297.18	379.87	0.4775	18.14
3	Q3	457.28	449.22	0.5318	23.89
4	Q4	757.58	616.05	0.4394	27.07
5	Total	2025.02	1881.56		68.54

As could be seen from the above table, the actual free agricultural sales are less by 405.18 MU, 143.46 MU, and 1285.71 MU in respect of APEPDCL, APCPDCL, and APSPDCL respectively when compared to the approved Quantity in the RST Order FY 2021-22. Accordingly, the excess subsidy available with the DISCOMS is estimated and shown below:

S.No	Description	APSPDCL	APEPDCL	APCPDCL	Total
1	Agl Sales as per Audit Report(MU)	6792.77	2212.99	1881.56	10887.32
2	Agl Sales as per Commission's Order (MU)	8078.48	2618.17	2025.02	12721.67
3	Difference in Agl Sales (MU) (2-1)	1285.71	405.18	143.46	1834.35
4	Rate per unit(Rs/unit) as per RST Order	4.51	6.4	6.28	
5	Subsidy amounts to be returned to the GoAP (Rs.Cr.) (3x4/10)	579.86	259.32	90.09	929.26

The excess subsidy as computed above would be adjusted against the FPPCA amounts to be determined in respect of free power categories, and the balance

subsidy to be returned by the DISCOMS to GoAP will be indicated in paragraphs infra.

46. **Admissibility of Unscheduled Interchange/Deviation charges in FPPCA**

claims: The Commission examined the Quarter-wise UI energy drawl in FY2021-22 as shown in the table below:

Month	Total Despatch (MU)	UI Energy drawl (MU)	Variable cost (Rs. Cr)	VC Unit Rate (Rs)	% of UI Energy drawl in Total Despatch
Q1	17341.99	66.36	48.94	7.37	0.38
Q2	17021.51	28.98	43.49	15.01	0.17
Q3	15264.61	38.74	24.81	6.40	0.25
Q4	17110.58	108.96	107.52	9.87	0.64
Total	66738.69	243.04	224.76	9.25	0.36

As could be seen from the above table, the percentage quantum of UI energy is only a fraction of total procurement quantum which is incidental in the system being operated by SLDC. For a State like Andhra Pradesh whose installed capacity of RE is about 50 percent of the total installed capacity, such incidences may occur in real time. The SLDC has not reported any disobedience of the DISCOMS in complying with system demand management directions issued by it in the real-time operation of the System. However, the Commission looked into the various aspects brought about by the objectors in this regard. The Central Electricity Regulatory Commission (Unscheduled Interchange charges and related matters) Regulations, 2009 were notified under general powers of Section 178 of the Electricity Act, 2003. The objective of these regulations was to maintain grid discipline as envisaged under the Grid Code through the commercial mechanism of Unscheduled Interchange Charges by controlling the users of the grid in

scheduling, dispatch, and drawl of electricity. The Regulations are applicable for i) the generating stations and the beneficiaries, and (ii) sellers and buyers involved in the transaction facilitated through open access or medium-term access, or long-term access in the inter-State transmission of electricity. Regulation 7 of UI regulations limit UI volume and consequences of crossing limits as shown below in respect of buyer/beneficiary that is applicable to DISCOMS:

(1) The over-drawal of electricity from the schedule by any beneficiary or a buyer during a time-block shall not exceed 12% of its scheduled drawal or 150 MW (whichever is lower) when the frequency is below 49.5 Hz, and 3% on a daily aggregate basis.

(2) In addition to UI Rate corresponding to the frequency of 49.2 Hz, as stipulated under regulation 5, an Additional Unscheduled Interchange Charge at the rate equivalent to 40% of the UI Rate corresponding to the frequency of 49.2 Hz shall be applicable for over-drawal or under-injection of electricity for each time-block when grid frequency is below 49.2 Hz.

The CERC in its statement of reasons while issuing the above regulations, at para 15 under the heading “**Enforcement for crossing the over-drawal limit**”, opined that the UI charge and Additional UI charge shall truly act as financial dis-incentive only if UI cost for over-drawal beyond the prescribed limits in the frequency range of 49.2 to 49.5 Hz, and the payments towards any over-drawal below 49.2 Hz are not allowed as pass-through for the utilities as part of their annual revenue requirement in order to sensitise the Utilities, consumers and other stakeholders for such persistent over-drawal, and to facilitate such dis-allowance by concerned State Electricity Regulatory Commissions. The press statement issued by CERC on

23.07.2022 reiterates the above and the main point in the press statement was that the Forum of Regulators arrived at a consensus that the additional UI charges imposed on the utilities under the UI regulations of CERC for over-drawl during the period when grid frequency is below 49.2 Hz. should not be permitted in the annual revenue requirement of distribution utilities w.e.f. 1st August 2009. After this decision of the Forum of Regulators, the distribution utilities will now be required to forecast their demand more precisely and plan the power purchase in advance. Otherwise, they will have to bear the burden of additional UI charges from their own finances and will not be able to pass this on to the consumers.

But the above UI regulations referred to by the objectors are superseded and replaced by DSM regulations, 2014, and the latest DSM regulation was issued by CERC on 14th March 2022. The latest DSM regulations did not mention anything about the point raised by the objectors. Even if we go by UI regulations 2009, the payments towards any over-drawal below 49.2 Hz are not allowed as pass-through for the utilities as part of their annual revenue requirement in order to sensitise the utilities, consumers, and other stakeholders for such persistent over-drawal, and to facilitate such dis-allowance by concerned State Electricity Regulatory Commissions, and hence it is implied that the overdraw charges up to 49.2 HZ are allowed.

Further, the Electricity (Amendments) Rules, 2022 notified by the Ministry of Power on 29.12.2022, Inter alia specified the Fuel and Power Purchase cost adjustment formula and computation methodology. As per the Computation methodology specified in the said Rules, the Power Purchase Cost shall exclude any charges on account of the Deviation Settlement Mechanism. The said Rules are not binding on the Commission as the same were issued in

purposed residuary powers of the Central Government. Tariff determination under sections 61, 62, and 64 of the Electricity Act, 2003 is the exclusive domain of the SERCs vis-a-vis the intrastate power supply activity. Further, Hon'ble Supreme Court in its judgment on 05.07.2016 on FSA levied by APDISCOMS held that fuel surcharge has to be calculated strictly within the framework of the formula provided in tariff notification. Regulation 4 of 2021 which is the relevant regulation does not exclude DSM charges from the computation of FPPCA.

In view of the foregoing, the Commission is inclined to accept the UI charges as claimed by the DISCOMS. **However, the DISCOMS are directed to furnish the details of UI energy and charges month-wise for over/under drawal from ISTS in the deviation range of 0-10 percent, 10-15 percent, and beyond 15 percent or the slabs for DSM charges as specified in relevant DSM regulations in the filings to be made in future for taking appropriate action by the Commission.**

47. **Claims of fixed costs by thermal plants vis a vis their actual availability factors:** In respect of thermal stations, payment of fixed costs shall be based on cumulative normative availability achieved for a year against norms approved by the appropriate Commission or as per PPAs. The normative capacity index (85 %) is the basis for the payment of fixed charges in respect of hydel stations. Some objectors opposed the payment of full fixed costs to certain thermal plants citing less dispatch from them, particularly RTPP-I to IV of APGENCO and APPDCL. The DISCOMS have stated that they paid fixed costs corresponding to the actual availability while furnishing replies to the objectors. The Commission has examined the details of the station-wise cumulative availability of all APGENCO's thermal stations, GGPS and

APPDCL, as communicated by SLDC for FY 2021-22, and the fixed charges corresponding to the availability communicated by SLDC as computed by the Commission vis a vis the actual fixed charges paid by the DISCOMS as shown in the table below:

S. No.	Generating station/ Stage/Source	Fixed Cost Approved (Rs. Cr)	Plant availability declaration PAF(%)	Approved Availability (%)	Eligible Fixed cost (Rs. Cr)	Fixed cost Claim as per filing (Rs.Cr)
1	Dr.NTTPS-I	232.068	79.23	80	229.83	229.85
2	Dr.NTTPS-II	232.068	79.23	80	229.83	229.85
3	Dr.NTTPS-III	232.068	79.23	80	229.83	229.85
4	Dr.NTTPS-IV	284.701	77.63	80	276.27	276.264
5	RTPP Stage-I	264.174	58.02	80	191.59	191.595
6	RTPP Stage-II	258.205	69.46	80	224.19	224.146
7	RTPP Stage-III	169.197	71.12	80	150.42	150.402
8	RTPP Stage-IV	768.009	67.70	85	611.70	592.441
9	TOTAL (Thermal)	2440.473			2143.66	2124.404
10	Srisaillam -RBPH	223.361	99.28	85	223.36	223.358
11	NSRCPH	25.62	100.00	85	25.62	25.62
12	NSTPDC PH	50.773	99.60	85	50.77	50.753
13	Sileru Complex	237.666	94.91	85	237.67	237.643
14	Pennaahobilam	13.281	100.00	85	13.28	13.281
15	Mini Hydel (Chettipeta)	1.766	95.52	85	1.77	1.762
16	GENCO-HYDEL	552.449			552.47	552.415
17	Inter-state hydel(AP SHARE)	61.824			61.82	61.833
18	APGENCO-TOTAL	3054.742			2757.95	2738.649
19	Godavari Gas	20.001	30.36	43.02	14.12	21.03
20	Thermal Powertech Corporation India	279.432	92.29	85	279.43	286.756
			As certified by the DISCOMs			
21	SDSTPS (APPDCL)-STAGE 1	1781.198	41.12	85	861.68	862.621

As could be seen from the above table, the fixed cost claims by the DISCOMS

are tallying with the computation of the Commission for many stations. There is a difference in payment of fixed charges in respect of RTPP IV, GGPS, TPCIL, and SDSTPS. The variation is negative in respect of RTPP-IV and the same has been claimed under the past claim head. The positive variation in respect of Thermal Power Tech is due to the incentive paid for over and above the normative availability that is included in fixed costs. The availability of GGPS is not comparable due to the non-availability of adequate gas supply and it will operate only when the gas is available at comparable prices, besides it being a captive plant of the DISCOMS. There is a small difference in the payment of fixed charges to APPDCL and this might be due to not taking some decimal point in the computation. Further, the cumulative capacity indices of all APGENCO Hydel stations are above the normative availability of 85%.

In respect of CGS, the CERC has not issued tariff orders for FY 2019-24 for any of the thermal stations that are supplying power to APDISCOMS except in respect of Ramagundam Stage-III so far. The Commission examined the fixed costs paid to the CGS stations with reference to its RST Order for FY 2021-22 in the absence of any reference.

Sl. No	Station	Approved (Cr.)	Actual (Cr.)
1	NTPC (SR) Ramagundam I & II	135.27	162.00
2	NTPC (SR) Simhadri Stage 1	34.32	49.48
3	NTPC (SR) Simhadri Stage 2	92.27	97.64
4	NTPC (SR) Ramagundam Stage-III	214.50	249.30
5	NTPC Kudgi Stage 1	227.56	270.43
6	NTECL Valluru	92.77	116.99
7	NTPL (NLC Tamilnadu Power Ltd Stage-1)(TUTICORIN)	38.01	57.75
	Total	834.69	1003.59

As could be seen from the above, the DISCOMS have paid an excess of Rs.168.90 Cr. over the approvals in respect of the CGS mentioned in above table. The DISCOMS submitted reasons for this excess claim in their subsequent communication in response to the query raised by the Commission as shown in the table below:

Sl. No	Station	Approved	Actual Capacity Charges (Rs.Cr)	Other Costs (Rs. Cr)	Total Charges paid (Rs.Cr)
1	NTPC (SR) Ramagundam I & II	135.27	146.39	15.61	162.00
2	NTPC (SR) Simhadri Stage 1	34.32	39.46	10.02	49.48
3	NTPC (SR) Simhadri Stage 2	92.27	89.60	8.04	97.64
4	NTPC (SR) Ramagundam Stage-III	214.50	217.77	5.03	222.80
5	NTPC Kudgi Stage 1	227.56	269.98	0.45	270.43
6	NTECL Valluru	92.77	113.76	3.23	116.99
7	NTPL (NLC Tamilnadu Power Ltd Stage-1)(TUTICORIN)	38.01	57.90	-0.15	57.75
	Total	834.69	934.85	42.24	977.09

As could be seen from the above table, the DISCOMS have shown Rs. 42.24 crores under "other costs" in fixed cost claims. They also submitted that Rs.26.505 crores were wrongly claimed in fixed costs instead of under variable costs in respect of Kudgi stage I. Overall, they made excess payment of Rs.100 to the above CGS over approvals. In the absence of tariff orders which are yet to be issued by CERC, the DISCOMS have admitted the fixed costs as per the claims received by them based on their filings before the CERC. In view of the reasons mentioned before, the Commission is inclined to accept the fixed costs paid to CGS as filed. **However, the DISCOMS are directed to make available the details of the actual fixed cost payments to CGS based on the tariff orders to be issued by CERC versus the fixed costs**

approved in this order upon receipt of the said orders for final adjustments in subsequent true-ups by the Commission.

48. **Permissibility of variable cost per unit over and above the approved price per unit in RST Order in respect of thermal plants:** On examination of the per unit variable costs filed in the petitions for all the thermal stations with reference to per unit variable cost approved by the Commission in RST Order for FY 2021-22, the overall variable costs for FY2021-22 are found to have decreased in respect of APGENCO's thermal stations and certain CGSs. However, there is an increase in per unit variable cost of some CGSs as shown in the table below:

Generating station/ Stage/Source	VC per unit (Rs)			
	Approved	Actual	Variation	% Variance
NTPC (SR) Ramagundam I & II	2.44	2.83	0.39	15.89
NTPC (SR) Ramagundam Stage-III	2.40	2.78	0.38	15.99
NTPC Kudgi Stage 1	3.49	3.91	0.42	12.05
NTPL (NLC Tamilnadu Power Ltd Stage-1) (TUTICORIN)	2.90	3.22	0.32	10.96
JNNSM PH-1 THERMAL	3.58	4.69	1.11	31.14
CGS TOTAL	2.85	2.86	0.01	0.36

As could be seen from the above table, although there is a decrease in per unit cost over approval in respect of total CGSs, there is an increase from 10.96 to 31.14 percent in per unit cost of the five stations mentioned above. The excess costs over approvals of these stations in absolute figures are shown in the table below:

Generating station/ Stage/Source		NTPC (SR) Ramagund am I & II	NTPC (SR) Ramagund am Stage-III	NTPC Kudgi Stage-1	NTPL (NLC Tamilnadu Power Ltd Stage-1) (TUTICORIN)	JNNSM PH-1 THERMAL	Total
Q1	Despatch (MU)	480.62	134.44	114	204.63	41.31	975
	VC Variation (Rs per unit)	0.10	0.10	-0.05	0.15	0.89	
	VC Variation impact (Rs. Cr)	4.74	1.36	-0.52	3.05	3.68	12.31
Q2	Despatch (MU)	448.42	125.79	190.93	164.98	44.62	974.74
	VC Variation (Rs per unit)	0.26	0.26	-0.02	0.02	1.17	
	VC Variation impact (Rs. Cr)	11.82	3.23	-0.30	0.41	5.23	20.39
Q3	Despatch (MU)	489.38	153.63	215.47	93.14	42.28	993.9
	VC Variation (Rs per unit)	0.65	0.63	0.41	0.67	1.27	
	VC Variation impact (Rs. Cr)	32.02	9.62	8.87	6.25	5.39	62.15
Q4	Despatch (MU)	503.2	140.53	418.72	126.57	60.05	1249.07
	VC Variation (Rs per unit)	0.52	0.50	0.75	0.71	1.11	
	VC Variation impact (Rs. Cr)	25.92	7.06	31.46	9.01	6.68	80.14
FY 2021-22	Despatch (MU)	1921.62	554.39	939.12	589.32	188.26	4192.71
	VC Variation (Rs per unit)	0.39	0.38	0.42	0.32	1.11	
	VC Variation impact (Rs. Cr)	74.52	21.21	39.54	18.71	20.97	174.95

The reasons furnished by the DISCOMS for increase of variable cost of above stations are that an increase in coal/transportation cost as per the data furnished by CGS. The CGS tariff and true-up would be determined by CERC and hence, the same is proposed to be accepted subject to the orders of CERC.

Further, the Commission examined per unit cost of wind, solar, gas, and short-term power purchases as shown in the table below:

Generating station/ Stage/Source	VC per unit (Rs)			
	Approved	Actual	Variation	% Variance
NCE-WIND TOTAL	2.43	4.63	2.20	90.72
NCE-SOLAR Total	2.44	4.70	2.26	92.68
JNNSM PH-2 SOLAR	2.44	4.47	2.03	83.29
Total NCE	2.57	4.63	2.07	80.59
Godavari Gas	2.20	2.56	0.36	16.35
Short Term Purchases	3.70	5.31	1.61	43.62
TOTAL POWER PURCHASE	2.88	3.72	0.83	28.84

As could be seen from the above table, there is a substantial increase in per unit cost of wind, solar, and short-term power purchases. The reasons for the increase in variable cost per unit of wind and solar is due to the payment of PPA rates to them as per the Hon'ble High Court's judgment and the variation in the cost of short-term power purchases has been discussed extensively in the earlier paragraphs. The variations in per unit cost of the gas plant are due to the variation in gas prices decided by MoP & NG every six months for the consumers under Administered Pricing Mechanism (APM), and therefore the Commission is inclined to accept these costs as filed.

49. **PP costs claimed without any despatch of energy:** The DISCOMS have claimed certain amounts without any despatch as shown in the table below:

Sl.No.	Quarter	Amount (Rs. Cr)
1	Q1	0.32
2	Q2	3.01
3	Q3	3.92
4	Q4	6.05
5	Total	13.30

The DISCOMS have stated that these are the past claims of NTPC power plants supplying power under JNNM phase II whose capacities were surrendered subsequently. Taking the above into consideration, the

Commission is inclined to accept the same as filed.

50. **Levying the Delayed Payment Surcharge (DPS) on all Government Receivables:** DPS is being imposed on the govt. department CC charges, The mounting subsidy arrears from the government in all forms are affecting the financial performance of DISCOMS and its credit rating and therefore it is a serious concern. It is a phenomenon all over India and therefore, the Government of India has initiated a number of steps in this regard. This Commission is also making its best efforts to impress upon the Government to release its dues to the DISCOMS, and as per the data with the Commission, the GoAP is clearing current subsidy dues regularly. However, the suggestion of the objector will be considered while passing the RST Order for FY 2023-24.
51. **Electricity duty on power looms:** As informed by the DISCOM to the objector, the electricity duty is under the purview of the State Government and the category change was decided based on the nature of the supply.
52. **The additional burden due to FPPCA admissibility shall be borne by GoAP: This request is against the scheme of the electricity laws.** It is the responsibility of the consumer to pay for the power received by him. Only in cases of the subsidised categories, the Government will bear the burden.
53. **Failure of the Electricity Regulatory Commission in protecting the interest of consumers and ensuring adequate information to the stakeholders on FPPCA filings:** It is unfortunate that a sweeping statement such as this has been made by one of the objectors. The Commission is charged with the onerous responsibility of balancing the interests of all the stakeholders, under the Electricity Act, 2003. The objector appeared to form his views without any regard to the legislative mandate that the DISCOMS have to carry on their affairs on commercial lines while extending quality services at a competitive price. Unless the suppliers are allowed to recover

their money legitimately due to them, they will not be able to survive, leave alone not being able to render efficient services. It is a paradox that while demanding efficient services from the licensees, some objectors opposed payments due on account of true up charges as if it is a forbidden act. Comments such as the above are best left to the conscience of the objector who made them. As regards the alleged non-furnishing of adequate information with regard to the FPPCA filings, the DISCOMs have furnished all the information sought by the objectors and this Commission.

54. Reduction of power procurement compared with the Commission's approval shall lead to true-down, but the DISCOMS claimed True-up:

The reduction of power procurement compared with approval of the Commission shall lead to the true-down as stated by the stakeholders, will become true if the power purchase cost variations of approved sources are within the limits. But as per the filings, the power purchase cost variations of the Wind, Solar, and market sources have huge positive variations as shown in the table below:

Source	Despatch (MU)	Variable Cost (Rs/Unit)			Impact Rs.(Cr)
		Approved	Actual	Variation	
	(a)	(b)	(c)	(d) =(c)-(b)	(e)=(a)*(d)/ 10
Wind	6639.31	2.43	4.63	2.20	1463.70
Solar	7201.77	2.51	4.28	1.77	1274.87
Market purchases	11773.02	3.70	5.31	1.61	1895.46
Total					4634.03

The above huge positive variations occurred on account of a) DISCOMs' obligation for payment of full PPA tariff consequent on the judgment dated 15-03-2022 of the Hon'ble High Court in W.A.No.383 and batch in respect of wind and solar sources and b)market purchases leading to True up instead of true-down even though some sources have shown negative variations. The

positive variations exceeded the negative variations by Rs.3082 crores shown in the paragraphs infra. In fact, this contributed substantially in the determination of the true-up charges.

55. **Uniform FPPCA across the DISCOMS:** To consider the suggestion of the stakeholders, the Commission decided to examine the following:

The DISCOM wise power purchase cost per unit in Rupees, approved by the APERC from FY 2015-16 to FY 2022-23:

S.No	FY	SPDCL	EPDCL	For all DISCOMS together	
1	2015-16	3.57	3.67	3.60	
2	2016-17	3.75	3.68	3.72	
3	2017-18	3.84	3.73	3.80	
4	2018-19	4.05	4.01	4.04	
5	2019-20	4.04	3.98	4.02	
6	2020-21	4.71	4.63	4.68	
		SPDCL	CPDCL	EPDCL	TOTAL
7	2021-22	3.68	4.01	4.01	3.88
8	2022-23	4.4	4.24	4.24	4.31

Actual power purchase cost per unit in Rupees DISCOM wise from FY2017-18 to FY 2022-23 :

S.NO	FY	SPDCL	EPDCL	CPDCL
1	2017-18	4.02	4.15	-
2	2018-19	4.19	4.3	-
3	2019-20	4.34	4.27	-
4	2020-21	4.43	4.42	4.35
5	2021-22	4.45	4.5	4.52
6	2022-23 (E)*	4.69	4.79	4.82

*Estimated

As could be seen from the above tables, except during FY 2021-22, there is only a maximum of 11 paise (the Commission's approval) and 13 paise difference (Actual Costs) in per unit cost of energy among the DISCOMS. There is a 33 paise difference in per unit cost among the DISCOMS during FY 2021-22 mainly due to the adoption of ad-hoc tariffs of Rs.2.43 and Rs.2.44 per unit as per the Hon'ble High Court's interim Orders for wind and solar energy respectively as against the weighted average price of Rs.4.60 (approximately) as per PPAs. The other peculiarity is the total wind and solar energy (maximum extent) supplied only to APSPDCL as per the GoAP orders that were in place and the PP cost per unit of APSPDCL was the lowest of the three DISCOMS because of ad-hoc tariffs adoption for wind and solar. The Base power purchase cost per unit in the case of SPDCL has a 32 paise variance in FY 2021-22 due to this reason, otherwise, the variance would not have been more than 1-13 paise per unit among the DISCOMS as long as the power is purchased jointly and shared in uniform percentages fixed for all sources by the GoAP. The difference of 1-13 paise per unit is due to the difference in T&D losses among DISCOMS which will be the basis for arriving at despatch/power procurement on their actual total sales. Further, as per filings, out of the total positive variations in power purchase costs, the main and major positive variations are in NCEs and short-term power procurement. The same is Rs.2197.30 crores and 5768 crores respectively for NCEs and Short-term power respectively against the major and main negative variations of APGENCO and APPDCL costs due to under despatch of power. The positive variations of NCEs are due to the adoption of ad-hoc lower tariffs for wind and solar as discussed earlier which majorly impacted the PP cost variations of APSPDCL since its base power purchase cost is fixed lower compared to the other two DISCOMS in the RST Order for

FY2021-22. It is also interesting to note that on one side total wind and solar energy is accounted for in APSPDCL and whereas the market purchases were shared in proportion to the normal power-sharing ratio adopted for conventional power plants as can be seen from the table below:

Particulars	SPDCL	EPDCL	CPDCL	Total for Three DISCOMS
STPP (MU)	4761.01	4264.18	2747.82	11773.01
Ratio of STPP of Total	0.40	0.36	0.23	1.00

The above power sharing would cause significant variations in the short-term power purchase for APSPDCL since its market purchases approved by the Commission in RST order for FY 2021-22 are zero based on 100 percent wind and solar energy allocation to SPDCL.

As the purchases and operation of the power purchase agreements are being done together for all three DISCOMS, the Commission decides to examine the power purchase costs together, and accordingly, the base and actual power purchase price per unit of the three DISCOMS together have been the basis for determination of FPPCA quarter wise to limit the FPPCA variations only to the extent of variations in T&D losses percentages.

56. In addition to the aspects discussed supra, the Commission examined the other costs that are shown in the filings as detailed in paragraphs infra.
57. **Transmission and Load Despatch Cost adjustments:** the Transmission and Load Despatch Cost adjustments filed by the DISCOMs quarter-wise are shown in the table below:

Particulars		Transmission Cost (Rs. Cr)	SLDC Cost (Rs. Cr)	PGCIL (Rs. Cr)	ULDC Cost (Rs. Cr)	TOTAL Transmission & ULDC Charges (Rs. Cr)
Q1	Approved	595.43	16.04	370.66	3.71	985.84
	Actual	595.43	18.15	292.98	0.61	907.17
	Variance	0	2.11	-77.68	-3.1	-78.68
Q2	Approved	595.43	16.04	370.66	3.71	985.84
	Actual	487.64	13.93	235	1.58	738.14
	Variance	-107.79	-2.11	-135.66	-2.13	-247.7
Q3	Approved	595.43	16.04	370.66	3.71	985.84
	Actual	553.35	13.84	185.33	0.74	753.27
	Variance	-42.08	-2.2	-185.33	-2.97	-232.58
Q4	Approved	595.43	16.04	370.66	3.71	985.84
	Actual	502.64	13.87	216.5	0.74	733.74
	Variance	-92.79	-2.18	-154.16	-2.97	-252.1
FY 2021-22	Approved	2381.72	64.16	1482.64	14.84	3943.36
	Actual	2139.06	59.79	929.81	3.67	3132.32
	Variance	-242.66	-4.37	-552.83	-11.17	-811.04

As could be seen from the above table, the DISCOMs have shown true-downs in all quarters and a total of Rs.811.04 crores for the year FY2020-21 has been adjusted in their FPPCA claims. The Commission is inclined to accept the same as per Regulation.

58. **CPDCL's FY 2020-21 True-up charges adjustments in the fourth quarter:** The Commission has admitted the FY 2019-20 adjustments in the true-up of FY 2020-21 in respect of APCPDCL with a direction to submit the final audit certificate in this regard to the Commission along with fourth quarter FPPCA filings for appropriate decision. The Claims admitted in FY2020-21 true-up order are shown in the table below:

Station No.	Station	Energy Purchased (MU)	Variable Cost (Rs Crs)
1	AP GENCO SOLAR 400MW 2019-20 COST	286.79	83.47
2	NVVNL BUNDLED COAL 2019-20	5.80	7.27
3	NP KUNTA ULTRA AND SBG 2019-20	62.28	31.21
4	D To D Cost Adjustment for 2019-20	(338.07)	-186.63
5	SECI 2019-20	104.71	47.12
6	Others 2019-20 Total (sum of sl no 1 to 5)	121.51	(17.56)
7	As per filings	121.52	148.04
9	Difference	0.01	165.60

APCPDCL in the fourth quarter FPPCA filings, has submitted the following details in compliance with the directions of the Commission:

FY 19-20 adjustments in FY 2020-21 PP Cost	Variable Cost (Actual) (Rs Crs)
APGENCO Solar 400 MW 2019-20	83.47
NVVNL Bundled Coal	7.27
NP Kunta Ultra and SBG	31.21
SECI ALL	47.12
Rebate on Power Purchase	-22.97
Solar Roof Top PP Cost	1.47
D-D Sale Adjustment for FY 2019-20	-186.63
Total	-39.06

Furnishing the above, CPDCL has deducted an amount of Rs. 39.06 crores from its FPPCA claims for the fourth quarter. The Commission has examined the details furnished vis a vis the details shown in their True-up order for FY2020-21. It is found that the claim in the FY 2020-21 true-up filings is Rs.148.04 Cr as against the negative adjustment of 17.56 Crores. Thus the excess claim of Rs.165.60 crores was permitted while approving the true-up

for FY 2020-21. Now as per the information furnished, the negative adjustment to be considered in the true-up of FY2020-21 is Rs.39.06 Crores, and therefore the excess claim permitted in the true-up order for FY 2020-21 has become Rs.187.10 Crores (148.04+39.06 = 187.10). The Commission would take appropriate action on this in the ensuing RST order for FY2023-24.

59. Based on the analysis, views, and decisions of the Commission in various paragraphs supra, the Commission approved the actual power purchase costs of the DISCOMS. The summary of actual power purchase costs approved by the Commission for the three DISCOMS together, quarter wise and for the total year FY 2021-22 is shown below:

Quarter-1 (FY 2021-22)

Generating station/ Stage/Source	DESPATCH(MU)			FC(Rs.Cr)			VC(Rs.Cr)			TC(Rs.Cr)		
	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation
APGENCO Thermal	4997.59	3778.54	-1219.05	610.12	590.89	-19.23	1741.46	1247.11	-494.35	2351.58	1838.00	-513.58
GENCO-Hydel	499.90	424.56	-75.34	153.57	153.55	-0.02	0.00	0.00	0.00	153.57	153.55	-0.02
APGENCO-TOTAL	5497.49	4203.09	-1294.40	763.68	744.44	-19.25	1741.46	1247.11	-494.35	2505.15	1991.55	-513.59
CGS TOTAL	2985.51	2887.95	-97.56	363.92	322.05	-41.87	867.87	797.70	-70.17	1231.79	1119.75	-112.04
Total NCE	4604.07	3877.03	-727.04	11.61	0.00	-11.61	1161.31	1757.65	596.34	1172.92	1757.65	584.73
Godavari Gas	190.64	122.02	-68.62	5.00	5.08	0.08	41.94	26.16	-15.78	46.94	31.24	-15.70
Thermal Powertech Corporation India	394.26	466.94	72.68	69.86	68.31	-1.55	91.87	106.19	14.32	161.72	174.49	12.77
SDSTPS (APPDCL)-STAGE 1	2896.18	1070.89	-1825.29	445.30	175.10	-270.20	909.40	336.26	-573.14	1354.70	511.36	-843.34
Total Others	3481.08	1659.85	-1821.23	520.16	248.49	-271.67	1043.21	468.61	-574.60	1563.36	717.09	-846.27
Short Term Purchases	0.00	4366.07	4366.07	0.00	0.00	0.00	0.00	1579.43	1579.43	0.00	1579.43	1579.43
Net Dispatch	16568.15	17060.36	492.21	1659.37	1314.98	-344.39	4813.85	5899.76	1085.91	6473.22	7214.74	741.52
TOTAL TRANSMISSION & ULDC CHARGES	0.00	0.00	0.00	985.84	907.17	-78.68	0.00	0.00	0.00	985.84	907.17	-78.68
INADVERTENT ENERGY YET TO BE RECONCILED	0.00	281.63	281.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL POWER PURCHASE	16568.15	17341.99	773.84	2645.21	2222.14	-423.07	4813.85	5899.76	1085.91	7459.06	8121.90	662.84

Quarter-2 (FY 2021-22)

Generating station/ Stage/Source	DESPATCH(MU)			FC(Rs.Cr)			VC(Rs.Cr)			TC(Rs.Cr)		
	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation
APGENCO Thermal	4318.91	4239.28	-79.63	610.12	610.12	0.01	1503.92	1443.72	-60.20	2114.04	2053.85	-60.19
APGENCO Hydel	1030.34	1174.73	144.39	153.57	153.57	0.00	0.00	0.00	0.00	153.57	153.57	0.00
APGENCO-TOTAL	5349.25	5414.01	64.76	763.68	763.69	0.00	1503.92	1443.72	-60.20	2267.61	2207.41	-60.20
CGS TOTAL	3255.64	2843.73	-411.91	363.92	448.66	84.74	942.76	812.75	-130.01	1306.68	1261.42	-45.26
Total NCE	4525.81	4863.01	337.20	11.61	0.00	-11.61	1143.74	2204.85	1061.11	1155.35	2204.85	1049.51
Godavari Gas	256.97	102.38	-154.59	5.00	5.71	0.71	56.53	22.96	-33.57	61.53	28.67	-32.86
Thermal Powertech Corporation India	388.35	422.88	34.53	69.86	79.98	10.12	90.49	96.52	6.03	160.34	176.50	16.16
SDSTPS (APPDCL) -STAGE 1	2928.02	1140.75	-1787.27	445.30	192.04	-253.26	919.40	357.64	-561.75	1364.70	549.68	-815.01
Total Others	3573.34	1666.01	-1907.33	520.16	277.73	-242.43	1066.42	477.13	-589.29	1586.57	754.86	-831.72
UI CHARGES	0.00	28.98	28.98	0.00	0.00	0.00	0.00	43.49	43.49	0.00	43.49	43.49
Short Term Purchases	0.00	1951.85	1951.85	0.00	0.00	0.00	0.00	1077.55	1077.55	0.00	1077.55	1077.55
Net Dispatch	16704.04	16767.59	63.55	1659.37	1490.08	-169.29	4656.84	6062.51	1405.67	6316.21	7552.59	1236.38
TOTAL TRANSMISSION & ULDC CHARGES	0.00	0.00	0.00	985.84	738.14	-247.70	0.00	0.00	0.00	985.84	738.14	-247.70
Past claims/refunds of Previous Quarters		253.92	253.92		0.00	0.00	0.00	118.19	118.19	0.00	118.19	118.19
TOTAL POWER PURCHASE	16704.04	17021.51	317.47	2645.21	2228.22	-416.99	4656.84	6180.70	1523.86	7302.05	8408.92	1106.87

Quarter-3 (FY 2021-22)

Generating station/ Stage/Source	Despatch (MU)			FC(Rs.Cr)			VC(Rs.Cr)			TC(Rs.Cr)		
	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation
APGENCO Thermal	5096.89	3978.47	-1118.42	610.12	610.12	0.01	1793.45	1388.57	-404.88	2403.57	1998.70	-404.87
APGENCO-Hydel	822.62	1358.44	535.82	153.57	153.57	0.00	0.00	0.00	0.00	153.57	153.57	0.00
APGENCO-TOTAL	5919.51	5336.91	-582.60	763.68	763.69	0.00	1793.45	1388.57	-404.88	2557.13	2152.26	-404.87
CGS TOTAL	3518.74	2953.09	-565.65	363.92	376.87	12.95	1032.20	841.97	-190.23	1396.12	1218.84	-177.28
Total NCE	3342.58	2471.55	-871.03	11.61	0.08	-11.53	875.33	1032.37	157.05	886.93	1032.46	145.52
Godavari Gas	289.06	133.09	-155.97	5.00	4.35	-0.65	63.59	37.31	-26.28	68.59	41.66	-26.93
Thermal Powertech Corporation India	411.15	423.43	12.28	69.86	69.42	-0.43	95.80	93.15	-2.64	165.66	162.58	-3.08
SDSTPS (APPDCL) -STAGE 1	2450.62	1237.39	-1213.23	445.30	197.76	-247.53	769.49	377.99	-391.50	1214.79	575.75	-639.04
Total Others	3150.83	1793.91	-1356.92	520.16	271.54	-248.62	928.89	508.46	-420.43	1449.04	779.99	-669.05
UI CHARGES	0.00	38.74	38.74	0.00	0.00	0.00	0.00	24.81	24.81	0.00	24.81	24.81
Short Term Purchases	912.93	2670.41	1757.48	0.00	0.00	0.00	337.78	1725.47	1387.68	337.78	1725.47	1387.68
Net Dispatch	16844.59	5264.61	-1579.98	1659.37	1412.18	-247.19	4967.64	5525.57	557.93	6627.01	6937.75	310.74
TOTAL TRANSMISSION & ULDC CHARGES	0.00	0.00	0.00	985.84	753.27	-232.58	0.00	0.00	0.00	985.84	753.27	-232.58
TOTAL POWER PURCHASE	16844.59	5264.61	-1579.98	2645.21	2165.44	-479.77	4967.64	5525.57	557.93	7612.85	7691.01	78.16

Quarter-4 (FY 2021-22)

Generating station/ Stage/Source	Despatch (MU)			FC(Rs.Cr)			VC(Rs.Cr)			TC(Rs.Cr)		
	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation
APGENCO Thermal	5603.20	4736.17	-867.03	610.12	313.27	-296.85	1983.58	1651.72	-331.86	2593.70	1964.99	-628.70
APGENCO-Hydel	859.87	721.18	-138.69	153.57	153.57	0.00	0.00	0.00	0.00	153.57	153.57	0.00
APGENCO-TOTAL	6463.07	5457.35	-1005.72	763.68	466.83	-296.85	1983.58	1651.72	-331.86	2747.27	2118.56	-628.71
CGS TOTAL	3502.71	3566.75	64.04	363.92	378.22	14.30	1027.50	1087.68	60.18	1391.42	1465.90	74.47
Total NCE	3711.48	3688.99	-22.49	11.61	1.51	-10.10	971.10	1583.55	612.45	982.71	1585.06	602.35
Godavari Gas	282.57	132.57	-150.00	5.00	5.90	0.90	62.17	39.01	-23.16	67.17	44.91	-22.26
Thermal Powertech Corporation India	411.16	459.00	47.84	69.86	69.05	-0.81	95.80	101.44	5.64	165.66	170.50	4.84
SDSTPS (APPDCL)-STAGE 1	2864.38	1841.22	-1023.16	445.30	297.72	-147.58	899.42	578.14	-321.27	1344.71	875.86	-468.85
HNPCL	0.00	222.21	222.21	0.00	0.00	0.00	0.00	84.88	84.88	0.00	84.88	84.88
Total Others	3558.11	2655.00	-903.11	520.16	372.67	-147.49	1057.38	803.48	-253.90	1577.54	1176.15	-401.39
UI CHARGES	0.00	108.96	108.96	0.00	0.00	0.00	0.00	107.52	107.52	0.00	107.52	107.52
Short Term Purchases	403.90	2784.69	2380.79	0.00	0.00	0.00	149.44	1873.69	1724.24	149.44	1873.69	1724.24
Net Dispatch	17639.27	17717.20	77.93	1659.37	1219.23	-440.13	5189.01	6928.86	1739.85	6848.37	8148.09	1299.72
TOTAL TRANSMISSION & ULDC CHARGES	0.00	0.00	0.00	985.84	733.74	-252.10	0.00	0.00	0.00	985.84	733.74	-252.10
Past claims/refunds of Previous Quarters		-606.62	-606.62		144.94	144.94	0.00	42.55	42.55	0.00	187.48	187.48
TOTAL POWER PURCHASE	17639.27	17110.58	-528.69	2645.21	2097.91	-547.30	5189.01	6971.40	1782.40	7834.22	9069.32	1235.10

FY 2021-22

Generating station/ Stage/Source	Despatch (MU)			FC(Rs.Cr)			VC(Rs.Cr)			TC(Rs.Cr)		
	Approved	Actual	Variance	Approved	Actual	Variance	Approved	Actual	Variance	Approved	Actual	variance
APGENCO Thermal	20016.60	16732.50	-3284.10	2440.50	2124.40	-316.10	7022.40	5731.10	-1291.30	9462.90	7855.50	-1607.40
APGENCO-Hydel	3212.80	3678.90	466.10	614.30	614.20	-0.10	0.00	0.00	0.00	614.30	614.20	-0.10
APGENCO-TOTAL	23229.30	20411.40	-2817.90	3054.70	2738.60	-316.10	7022.40	5731.10	-1291.30	10077.20	8469.80	-1607.40
CGS TOTAL	13262.60	12251.50	-1011.10	1455.70	1525.80	70.10	3870.30	3540.10	-330.20	5326.00	5065.90	-260.10
Total NCE	16183.90	14356.00	-1827.90	46.40	1.60	-44.80	4151.50	6393.60	2242.10	4197.90	6395.20	0
Godavari Gas	1019.20	490.10	-529.10	20.00	21.00	1.00	224.20	125.40	-98.80	244.20	146.50	-97.70
Thermal Powertech Corporation India	1604.90	1772.30	167.40	279.40	286.80	7.40	374.00	397.30	23.30	653.40	684.10	30.70
SDSTPS (APPDCL)-STAG 1	11139.20	5290.30	-5848.90	1781.20	862.60	-918.60	3497.70	1650.00	-1847.70	5278.90	2512.70	-2766.20
HNPCL	0.00	222.20	222.20	0.00	0.00	0.00	0.00	84.90	84.90	0.00	84.90	84.90
Total Others	13763.40	7774.80	-5988.60	2080.60	1170.40	-910.20	4095.90	2257.70	-1838.20	6176.50	3428.10	-2748.40
UI CHARGES	0.00	243.00	243.00	0.00	0.00	0.00	0.00	224.80	224.80	0.00	224.80	224.80
Short Term Purchases	1316.80	11773.00	10456.20	0.00	0.00	0.00	487.20	6256.10	5768.90	487.20	6256.10	5768.90
Net Dispatch	67756.10	66809.80	-946.30	6637.50	5436.50	-1201.00	19627.30	24416.70	4789.40	26264.80	29853.20	3588.40
TOTAL TRANSMISSION & ULDC CHARGES	0.00	0.00	0.00	3943.40	3132.30	-811.10	0.00	0.00	0.00	3943.40	3132.30	-811.10
Past claims/refunds	0.00	-71.10	-71.10	0.00	144.90	144.90	0.00	160.70	160.70	0.00	305.70	305.70
TOTAL POWER PURCHASE	67756.10	66738.70	-1017.40	10580.80	8713.70	-1867.10	19627.30	24577.40	4950.10	30208.20	33291.20	3083.00

As per the above-approved power purchase costs and taking the base and actual power purchase costs of three DISCOMS together with T&D losses of respective DISCOM, the Commission has computed the FPPCA per unit for each DISCOM for all four quarters. But with FPPCA arrived at by the Commission with the formula prescribed in the regulation, the expected FPPCA charges to be collected from the consumers have exceeded over and above the power purchase cost variations of Rs.3082.99 crores by 456 crores due to the T&D losses of the subject year being lower than the T&D losses adopted for computation as per regulation. Therefore, to limit the FPPCA charges only to the extent of power purchase cost variations, the Commission decides to adjust the excess FPPCA charges in the fourth quarter as the

FPPCA proposed for the fourth quarter are high compared to the first, second, and third quarters. Therefore, it has reduced the FPPCA per unit uniformly by Rs.0.29 per unit from the value arrived at by the Formula in the fourth quarter. Accordingly, the FPPCA approved by the Commission vis a vis the FPPCA claimed in original and revised filings of the DISCOMS for all quarters is shown in the table below:

FPPCA Claims Vs Approvals (Rs / Unit) for FY 2021-22

Quarter	APSPDCL			APEPDCL			APCPDCL		
	Original claim	Revised claim	Approved by Commission	Original claim	Revised claim	Approved by Commission	Original claim	Revised claim	Approved by Commission
Q1	-0.1484	0.4688	0.2017	-0.0061	0.0669	0.1975	-0.0906	-. 0.0127	0.2010
Q2	-0.0964	0.9084	0.6325	0.1174	0.4281	0.6194	0.178	0.4775	0.6304
Q3	0.4208	0.7536	0.5772	0.33	0.4059.	0.5652	0.4571	0.5318	0.5753
Q4	1.0682	-	0.6654	0.7967	-	0.6455	0.4394	-	0.6633

Based on the FPPCA per unit approved by the Commission in this Order, the expected recovery of FPPCA charges by the DISCOMS based on their actual sales during each quarter of FY 2021-22 are computed and shown in the table below:

Quarter	Details	APSPDCL	APEPDCL	APCPDCL	Total
Q1	FPPCA per unit (Rs)	0.2017	0.1975	0.2010	
	Sales (MU)	6013.11	6001.67	3699.05	15713.83
	FPPCA charges (Rs.Cr)	121.28	118.53	74.35	314.17
Q2	FPPCA per unit (Rs)	0.6325	0.6194	0.6304	
	Sales (MU)	5954.11	5712.04	3482.38	15148.53
	FPPCA charges (Rs.Cr)	376.60	353.80	219.53	949.93
Q3	FPPCA per unit (Rs)	0.5772	0.5652	0.5753	
	Sales (MU)	4937.88	5478.71	3303.81	13720.4
	FPPCA charges (Rs.Cr)	285.01	309.66	190.07	784.74
Q4	FPPCA per unit (Rs)	0.6654	0.6455	0.6633	
	Sales (MU)	6267.97	5937.27	3525.2	15730.44
	FPPCA charges (Rs.Cr)	417.07	383.25	233.83	1034.15
Total	Sales (MU)	23173.07	23129.69	14010.44	60313.2
	FPPCA charges (Rs.Cr)	1199.97	1165.24	717.77	3082.99

60. The expected FPPCA charges vis a vis the power purchase cost variations, DISCOMS wise are shown in the table below:

Sl.No.	DISCOM	Power Purchase Variations for FY2021-22 (Rs. Cr) (a)	Expected FPPCA charges (Rs.Cr) (b)	Difference (Rs .Cr) (b)-(a)
1	APSPDCL	1392.81	1199.97	-192.84
2	APEPDCL	1263.10	1165.24	-97.86
3	APCPDCL	427.08	717.77	290.70
	Total	3082.99	3082.99	0.00

As could be seen from the table above, there is a shortage of Rs.192.84 Cr, Rs.97.86 Cr, and excess of Rs.290.70 Cr. in respect of SPDCL, EPDCL, and CPDCL respectively, and accordingly the power purchase costs among the DISCOMS shall be corrected in their books of accounts for FY 2021-22.

61. The FPPCA charges approved in this order shall be collected from the consumers for the respective months of FY 2021-22 based on their actual consumption. As directed in the orders issued in the past, these charges shall be collected only from the registered consumers. Accordingly, the FPPCA charges in respect of April 21 shall be collected along with the consumption charges of April 2023 i.e., the bill to be issued in May 2023 and so on and the FPPCA charges schedule is given in the table below:

Quarter	Month of Consumption for which FPPCA is to be Charged	To be collected along with monthly consumption charges of	APSPDCL	APEPDCL	APCPDCL
			FPPCA Rate (Rs/kWh/kVAh)		
Q1	April 21	April 23	0.2017	0.1975	0.2010
	May 21	May 23	0.2017	0.1975	0.2010
	June 21	June 23	0.2017	0.1975	0.2010
Q2	July 21	July 23	0.6325	0.6194	0.6304
	August 21	August 23	0.6325	0.6194	0.6304
	September 21	September 23	0.6325	0.6194	0.6304
Q3	October 21	October 23	0.5772	0.5652	0.5753
	November 21	November 23	0.5772	0.5652	0.5753
	December 21	December 23	0.5772	0.5652	0.5753
Q4	January 22	January 24	0.6654	0.6455	0.6633
	February 22	February 24	0.6654	0.6455	0.6633
	March 22	March 24	0.6654	0.6455	0.6633

62. In respect of the agricultural consumption under the free power category consumers, the provisional FPPCA charges to be raised by the DISCOMS on GoAP as per the Regulation are shown below:

APSPDCL					
Sl.No.	Quarter	Approved Sales(MU)	Actual Sales (MU)	FPPCA Rate (Rs/Unit)	Expected Amount to be claimed from GoAP(Rs.Cr)
(a)	(b)	(c)	(d)	(e)	(f) = (d x e)/10
1	Q1	2155.91	2010.2	0.2017	40.55
2	Q2	1711.08	1647.91	0.6325	104.23
3	Q3	1407.16	935.98	0.5772	54.02
4	Q4	2804.33	2198.68	0.6654	146.30
5	Total	8078.48	6792.77		345.10
APEPDCL					
Sl.No.	Quarter	Approved Sales(MU)	Actual Sales (MU)	FPPCA Rate (Rs/Unit)	Expected Amount to be claimed from GoAP(Rs.Cr)
(a)	(b)	(c)	(d)	(e)	(f) = (d x e)/10
1	Q1	747.96	668.59	0.1975	13.20
2	Q2	366.24	404.91	0.6194	25.08
3	Q3	484.53	384.46	0.5652	21.73
4	Q4	1019.44	755.03	0.6455	48.74
5	Total	2618.17	2212.99		108.75
APCPDCL					
Sl.No.	Quarter	Approved Sales(MU)	Actual Sales (MU)	FPPCA Rate (Rs/Unit)	Expected Amount to be claimed from GoAP(Rs.Cr)
(a)	(b)	(c)	(d)	(e)	(f) = (d x e)/10
1	Q1	512.98	436.42	0.2010	8.77
2	Q2	297.18	379.87	0.6304	23.95
3	Q3	457.28	449.22	0.5753	25.84
4	Q4	757.58	616.05	0.6633	40.86
5	Total	2025.02	1881.56		99.43

63. As per the details furnished to the Commission in respect of agricultural consumption under the free power category, the excess subsidy to be returned or shortfall subsidy to be received from the GoAP after netting of the FPPCA claim as shown in the previous paragraph against the subsidy to be returned

is worked out and shown in the table below:

Sl. No.	Description	APSPDCL	APEPDCL	APCPDCL	Total
1	Agl Sales as per Audit Report (MU)	6792.77	2212.99	1881.56	10887.32
2	Agl Sales as per Commission's Order (MU)	8078.48	2618.17	2025.02	12721.67
3	Difference in Agl Sales (MU) (2-1)	1285.71	405.18	143.46	1834.35
4	Rate per unit (Rs/unit)	4.51	6.4	6.28	
5	Subsidy amounts to be returned to the GoAP (Rs.Cr.) (3x4/10)	579.86	259.32	90.09	929.26
6	Expected Amount to be claimed from GoAP (Rs.Cr) towards FPPCA	345.10	108.75	99.43	553.28
7	Net subsidy amount to be returned to GoAP (Rs.Cr) (5-6)	234.76	150.57	-9.34	375.98

As could be seen from the above table, there is an excess subsidy to be available with SPDCL, EPDCL whereas the subsidy is to be received by the CPDCL. The Commission will take an appropriate decision in respect of excess/shortfall subsidy in the ensuing RST Order for FY 2023-24.

64. Further, the DISCOMS are directed to furnish the actual FPPCA charges collected from the consumers including the FPPCA charged to GoAP in respect of all eligible consumers including those other than agricultural consumers under the free power category as per regulation as against the power purchase cost variations approved in this Order along with the True-up of Retail Supply Business for the fourth control period to be filed before the Commission after the end of control period for correction if there be any excess/shortfall.
65. The DISCOMS shall publish the FPPCA schedule approved by the Commission in one English newspaper in English and one Telugu newspaper in Telugu having wide circulation in their area of supply within one week from the date of issue of the Order.

66. All the annexures enclosed in this order form part of the Order. Accordingly, all the FPPCA petitions for FY 2021-22 are disposed of.

Sd/-
Thakur Rama Singh
Member

Sd/-
Justice C.V. Nagarjuna Reddy
Chairman

Sd/-
P. Rajagopal Reddy
Member



Annexure-1**List of Objectors**

1st Quarter (01-04-2021 to 30-06-2021)
OP Nos. 102 of 2021, 103 of 2021 & 104 of 2021

Sl No	Name of the Objector Sri/Smt	
1	Sri. M.Venugopala Rao, Senior Journalist & Convener, Centre for Power Studies, Hyderabad.	These Objectors have submitted separate but identical views. They are referred to as Sri M.Venugopala Rao & others”
2	Sri. B.Tulasidas, Road No.2, Sundariah Nagar, Tadepalli, Guntur Dist -522501	
3	Sri.U.M.Kumar Secretary, A.P. Textile Mills Association, Guntur.	
4	Sri. M. Thimma Reddy, Convenor, People’s Monitoring Group on Electricity, Hyderabad.	
5	Sri.P. Vijaya Gopal Reddy A.P. Ferro Alloys Producers Association, Vijayawada.	
6	P. Vydehi, Secretary (I/c), Federation of Andhra Pradesh Chambers of Commerce and Industry (FAPCCI), Hyderabad.	
7	Sri.P. Vijaya Gopal Reddy Manishreni Ferro Alloys P. Ltd, Hyderabad.	
2nd Quarter (01-07-2021 to 30-09-2021) OP Nos. 13 of 2022, 19 of 2022 & 20 of 2022		
1	Sr. M.Venugopala Rao, Senior Journalist & Convener, Centre for Power Studies, Hyderabad.	”
2	P. Vydehi, Secretary (I/c), Federation of Andhra Pradesh Chambers of Commerce and Industry (FAPCCI), Hyderabad.	
3	Sri.U.M.Kumar Secretary, A.P. Textile Mills Association, Guntur.	
4	Sri.Injeti Gopinath, Chief Executive Officer, South Indian Cement Manufacturers’ Association, Hyderabad.	
5	Sri. P. Vijaya Gopal Reddy Manishreni Ferro Alloys P. Ltd, Hyderabad.	
6	M/s. A.P. Ferro Alloys Producers Association, Vijayawada.	
3rd Quarter (01-10-2021 to 31-12-2021) OP Nos. 28 of 2022, 29 of 2022 & 30 of 2022		
1	Sri. M.Venugopala Rao, Senior Journalist & Convener, Centre for Power Studies, Hyderabad.	These Objectors have submitted separate but identical views. They are referred to as Sri

2	Sri Ch.Babu Rao, State Secretariat Member CPI (M), AP Committee,Vijayawada	M.Venugopala Rao & others”
3	P. Vydehi, Secretary (I/c), Federation of Andhra Pradesh Chambers of Commerce and Industry (FAPCCI), Hyderabad	
4	Sri.U.M.Kumar Secretary, A.P. Textile Mills Association, Guntur.	
5	M/s. A.P. Ferro Alloys Producers Association, Vijayawada.	
6	Sri.Injeti Gopinath, Chief Executive Officer, South Indian Cement Manufacturers’ Association, Hyderabad	
7	Sri. P. Vijaya Gopal Reddy Manishreni Ferro Alloys P. Ltd, Hyderabad.	
4th Quarter (01-01-2022 to 31-03-2022) OP Nos. 46 of 2022 47 of 2022 & 48 of 2022		
1	Sri .M.Venugopala Rao, Senior Journalist & Convener, Centre for Power Studies, Hyderabad.	These Objectors have submitted separate but identical views. They are referred to as Sri M.Venugopala Rao & others”
2	Sri Ch.Babu Rao, State Secretariat Member CPI (M), AP Committee,Vijayawada	
3	Sri. Kandarapu Murali. District Secretariat Member, CPI(M) C.I.T.U, Tirupati	
4	Sri.B.Tulasidas, Road No.2, Sundariah Nagar, Tadepalli, Guntur Dist -522501	
5	Sri Ch.Babu Rao, State Secretariat Member CPI (M), AP Committee,Vijayawada.	Additional objections
6	Sri. Kandarapu Murali. District Secretariat Member, CPI(M) C.I.T.U, Tirupati	Additional objections
7	Sri.Injeti Gopinath, Chief Executive Officer, South Indian Cement Manufacturers’ Association, Hyderabad	
8	P. Vydehi, Secretary (I/c), Federation of Andhra Pradesh Chambers of Commerce and Industry (FAPCCI), Hyderabad	
9	Sri. A.S. Perumal District Secretary, Chittoor District Powerloom Workers Union, Nagari,	

Annexure-II
APSPDCL FPPCA Filings for 1st Quarter of FY 2021-2022

S.No.	Generating station/ Stage/Source	Plant capacity (MW)	Discom's share (%)	Energy (MU)			Cost Components (Rs.Millions)																			
				TO (a)	Actual (b)	Variance (c)= (b-a)	Fixed (A)			Variable (B)			Incentive (C)			Income Tax (D)			Others (E)			Total F=(A+B+C+D+E)				
							TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (j)	Actual (k)	Variance (l)= (k-j)	TO (m)	Actual (n)	Variance (o)= (n-m)	TO (p)	Actual (q)	Variance (r)= (q-p)	TO (s)	Actual (t)	Variance (u)= (t-s)		
1	Dr.NTTPS-I	420.00	40.44%	282.40	274.09	-8.31	234.60	234.64	0.04	943.22	915.45	-27.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1177.82	1150.08	-27.73
2	Dr.NTTPS-II	420.00	40.44%	282.40	274.09	-8.31	234.60	234.64	0.04	943.22	915.45	-27.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1177.82	1150.08	-27.73
3	Dr.NTTPS-III	420.00	40.44%	282.40	274.09	-8.31	234.60	234.64	0.04	943.22	915.45	-27.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1177.82	1150.08	-27.73
4	Dr.NTTPS-IV	500.00	40.44%	340.79	337.56	-3.23	287.83	287.83	0.01	1073.49	1063.32	-10.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1361.31	1351.16	-10.16
5	RTPP Stage-I	420.00	40.44%	78.20	53.23	-24.97	267.08	267.08	0.00	301.85	152.21	-149.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	568.93	419.29	-149.64
6	RTPP Stage-II	420.00	40.44%	0.00	129.00	129.00	261.05	261.04	-0.01	0.00	444.72	444.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	261.05	705.76	444.71
7	RTPP Stage-III	210.00	40.44%	0.00	45.88	45.88	171.05	171.04	-0.01	0.00	123.89	123.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.05	294.93	123.88
8	RTPP Stage-IV	600.00	40.44%	273.31	140.11	-133.20	776.45	698.60	-77.85	1000.31	512.82	-487.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1776.76	1211.42	-565.35
9	TOTAL (Thermal)	3410.00		1539.50	1528.04	-11.46	2467.25	2389.50	-77.75	5205.30	5043.30	-162.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7672.55	7432.79	-239.76
10	Srisaillam -RBPH	770.00	40.44%	25.37	6.70	-18.67	225.83	225.82	-0.01	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	0.00	225.83	225.82	-0.01
11	NSRCPH	90.00	40.44%	0.89	1.34	0.45	25.90	25.90	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	0.00	0.00	25.90	25.90	0.00
12	NSTPDC PH	50.00	40.44%	1.20	1.80	0.60	51.33	51.31	-0.02	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	0.00	51.33	51.31	-0.02
13	Sileru Complex	725.00	40.44%	143.50	123.51	-19.99	240.28	240.28	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	0.00	0.00	240.28	240.28	0.00
14	Pennaahobilam	20.00	40.44%	0.00	-0.04	-0.04	13.43	13.43	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	0.00	0.00	13.43	13.43	0.00
15	Mini Hydel (Chettipeta)	1.00	40.44%	0.08	0.09	0.01	1.78	1.78	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	0.00	0.00	1.78	1.78	0.00
16	GENCO-HYDEL	1656.00		171.04	133.40	-37.64	558.53	558.51	-0.02	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	0.00	558.53	558.51	-0.02
17	Inter-state hydel(AP SHARE)	141.60	40.44%	31.09	38.29	7.20	62.50	62.47	-0.03	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	0.00	62.50	62.47	-0.03
18	APGENCO-TOTAL	5207.60		1741.63	1699.73	-41.90	3088.28	3010.48	-77.80	5205.30	5043.30	-162.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8293.58	8053.77	-239.80
19	NTPC (SR) Ramagundam I & II	2100.00	5.54%	197.67	194.36	-3.31	136.75	79.00	-57.75	482.31	493.41	11.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	619.06	572.41	-46.66
20	NTPC (SR) Simhadri Stage 1	1000.00	18.65%	249.31	330.49	81.18	391.65	316.46	-75.19	785.33	968.63	183.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1176.98	1285.09	108.11
21	NTPC (SR) Simhadri Stage 2	1000.00	8.48%	91.83	65.52	-26.31	216.85	130.70	-86.15	283.75	190.41	-93.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	500.60	321.11	-179.49
22	NTPC (SR) Talcher St. II	2000.00	3.64%	125.49	128.26	2.77	93.28	92.00	-1.28	248.47	240.02	-8.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	341.75	332.02	-9.72
23	NTPC (SR) Ramagundam Stage-III	500.00	5.85%	36.60	54.37	17.77	34.70	39.26	4.56	87.84	135.96	48.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	122.54	175.22	52.68
24	NTPC Kudgi Stage 1	2400.00	4.12%	127.14	46.10	-81.04	230.05	283.55	53.50	443.72	158.80	-284.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	673.77	442.35	-231.42
25	NTPC DADRI			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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	NTECL Valluru	1500.00	2.32%	69.11	58.66	-10.45	93.80	110.06	16.26	236.36	182.40	-53.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	330.16	292.46	-37.69
27	NLC Stage-I	630.00	3.00%	34.83	35.46	0.63	43.05	21.26	-21.79	100.31	93.52	-6.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.36	114.78	-28.58
28	NLC Stage-II	840.00	4.12%	62.49	54.38	-8.11	44.50	40.20	-4.30	173.10	143.44	-29.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	217.60	183.64	-33.96
29	NPC (MAPS)	440.00	1.67%	5.16	0.22	-4.94	0.00	0.00	0.00	13.47	0.55	-12.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.47	0.55	-12.92
30	NPC (Kaiga Unit-I,II)	880.00	5.24%	82.47	87.92	5.45	0.00	0.00	0.00	287.00	302.20	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	287.00	302.20	15.20
31	NPC (Kaiga Unit-III & IV)																									
32	NTPL (NLC Tamilnadu Power Ltd Stage-1)(TUTICORIN)	1000.00	4.91%	78.80	82.75	3.95	142.53	134.27	-8.26	228.52	252.32	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	371.05	386.59	15.55
33	NLC NNTPS	1000.00	2.13%	19.65	29.39	9.74	44.58	55.64	11.06	45.98	64.09	18.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.56	119.73	29.18
34	CGS TOTAL	15290.00		1180.55	1167.88	-12.67	1471.73	1302.40	-169.33	3416.15	3225.75	-190.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4887.88	4528.15	-359.73
35	JNNSM PH-1 THERMAL	**		18.24	16.70	-1.54	46.95	0.00	-46.95	65.30	74.70	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.25	74.70	-37.55
36	NCE-WIND TOTAL	3766.60	100.00%	2126.88	1798.69	-328.19	0.00	0.00	0.00	5168.32	8453.86	3285.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5168.32	8453.86	3285.54
37	NCE -OTHERS	309.66	39.87%	34.28	34.82	0.54	0.00	0.00	0.00	176.20	181.68	5.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176.20	181.68	5.48
38	NCE-SOLAR Total	1466.43	97.24%	1390.26	681.97	-708.29	0.00	0.00	0.00	3392.23	3184.82	-207.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3392.23	3184.82	-207.42
39	JNNSM PH-1 SOLAR	39.00	100.00%	6.60	16.70	10.10	0.00	0.00	0.00	69.30	179.14	109.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.30	179.14	109.84
40	JNNSM PH-2 SOLAR	1250.00	100.00%	894.39	746.62	-147.77	0.00	0.00	0.00	2182.31	3341.17	1158.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2182.31	3341.17	1158.86

ANNEXURE-III

APEPDCL FPPCA Filings for 1st Quarter of FY 2021-2022

S.No.	Generating station/ Stage/Source	Plant capacity (MW)	Discom's share (%)	Energy (MU)			Cost Components (Rs.Millions)								
				TO (a)	Actual (b)	Variance (c)= (b-a)	Fixed (A)			Variable (B)			Total F=(A+B+C+D+E)		
							TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (s)	Actual (t)	Variance (u)= (t-s)
1	Dr.NTTPS-I	420.00	36.22%	252.92	245.48	-7.44	210.15	210.15	0.00	844.75	819.92	-24.84	1054.90	1030.07	-24.83
2	Dr.NTTPS-II	420.00	36.22%	252.92	245.48	-7.44	210.15	210.15	0.00	844.75	819.92	-24.84	1054.90	1030.07	-24.83
3	Dr.NTTPS-III	420.00	36.22%	252.92	245.48	-7.44	210.15	210.15	0.00	844.75	819.92	-24.84	1054.90	1030.07	-24.83
4	Dr.NTTPS-IV	500.00	36.22%	305.24	302.34	-2.90	257.80	257.80	0.00	961.51	952.36	-9.14	1219.31	1210.16	-9.15
5	RTPP Stage-I	420.00	36.22%	252.92	47.67	-205.25	239.20	239.21	0.01	976.27	136.34	-839.93	1215.47	375.55	-839.92
6	RTPP Stage-II	420.00	36.22%	252.92	115.54	-137.38	233.80	233.80	0.00	976.27	398.31	-577.96	1210.07	632.11	-577.96
7	RTPP Stage-III	210.00	36.22%	126.46	41.10	-85.36	153.20	153.19	-0.01	488.14	110.97	-377.17	641.34	264.16	-377.18
8	RTPP Stage-IV	600.00	36.22%	406.59	125.49	-281.10	695.43	625.70	-69.73	1488.12	459.32	-1028.80	2183.54	1085.02	-1098.52
9	TOTAL (Thermal)	3410.00		2102.89	1368.59	-734.30	2209.88	2140.15	-69.73	7424.56	4517.05	-2907.51	9634.44	6657.20	-2977.23
10	Srisaialam -RBPH	770.00	36.22%	22.74	6.00	-16.74	202.25	202.25	0.00	0.00	0.00	0.00	202.25	202.25	0.00
11	NSRCPH	90.00	36.22%	0.80	1.20	0.40	23.20	23.20	0.00	0.00	0.00	0.00	23.20	23.20	0.00
12	NSTPDC PH	50.00	36.22%	1.08	1.61	0.53	45.98	45.92	-0.05	0.00	0.00	0.00	45.98	45.92	-0.05
13	Sileru Complex	725.00	36.22%	128.53	110.63	-17.90	215.20	215.10	-0.10	0.00	0.00	0.00	215.20	215.10	-0.10
14	Pennaahobilam	20.00	36.22%	0.00	-0.04	-0.04	12.03	12.03	0.00	0.00	0.00	0.00	12.03	12.03	0.00
15	Mini Hydel (Chettipeta)	1.00	36.22%	0.08	0.08	0.00	1.60	1.59	-0.01	0.00	0.00	0.00	1.60	1.59	-0.01
16	GENCO-HYDEL	1656.00		153.23	119.48	-33.75	500.25	500.09	-0.16	0.00	0.00	0.00	500.25	500.09	-0.16
17	Inter-state hydel(AP SHARE)	141.60	36.22%	27.83	34.29	6.46	55.98	56.10	0.12	0.00	0.00	0.00	55.98	56.10	0.12
18	APGENCO-TOTAL	5207.60		2283.95	1522.36	-761.59	2766.11	2696.34	-69.77	7424.56	4517.05	-2907.51	10190.67	7213.39	-2977.27
19	NTPC (SR) Ramagundam I & II	2100.00	4.96%	177.06	174.08	-2.98	122.48	70.82	-51.66	432.03	441.93	9.90	554.50	512.74	-41.76
20	NTPC (SR) Simhadri Stage 1	1000.00	16.70%	223.30	296.00	72.70	350.78	283.36	-67.42	703.40	867.55	164.15	1054.17	1150.90	96.73
21	NTPC (SR) Simhadri Stage 2	1000.00	7.60%	82.25	58.68	-23.57	194.23	117.18	-77.04	254.15	170.47	-83.68	448.38	287.65	-160.73
22	NTPC (SR) Talcher St. II	2000.00	3.26%	112.38	114.87	2.49	83.55	82.40	-1.15	222.51	215.00	-7.52	306.06	297.40	-8.67
23	NTPC (SR) Ramagundam Stage-III	500.00	5.24%	32.78	48.70	15.92	31.08	35.24	4.16	78.67	121.79	43.12	109.75	157.03	47.28
24	NTPC Kudgi Stage 1	2400.00	3.69%	154.17	41.29	-112.88	206.05	254.04	47.99	538.05	142.20	-395.85	744.10	396.24	-347.86
25	NTPC DADRI			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	NTECL Valluru	1500.00	2.08%	61.89	52.54	-9.35	84.00	98.52	14.52	211.66	163.50	-48.16	295.66	262.02	-33.64
27	NLC Stage-I	630.00	2.69%	31.20	31.76	0.56	38.55	19.04	-19.51	89.86	83.76	-6.09	128.41	102.80	-25.61
28	NLC Stage-II	840.00	3.69%	55.98	48.71	-7.27	39.85	36.01	-3.84	155.06	128.47	-26.59	194.91	164.49	-30.43
29	NPC (MAPS)	440.00	1.49%	4.62	0.20	-4.42	0.00	0.00	0.00	12.06	0.49	-11.57	12.06	0.49	-11.57
30	NPC (Kaiga Unit-I,II)	880.00	4.70%	73.86	78.75	4.89	0.00	0.00	0.00	257.03	270.80	13.77	257.03	270.80	13.77

31	NPC (Kaiga Unit-III & IV)	880.00	4.70%	73.80	78.73	4.89	0.00	0.00	0.00	237.03	270.80	13.77	237.03	270.80	13.77	
32	NTPL (NLC Tamilnadu Power Ltd Stage-1)(TUTICORIN)	1000.00	4.39%	70.57	74.12	3.55	127.65	120.20	-7.45	204.65	225.99	21.34	332.30	346.20	13.89	
33	NLC NNTPS	1000.00	1.91%	17.58	26.33	8.75	39.93	49.73	9.80	41.14	57.41	16.27	81.06	107.13	26.07	
34	CGS TOTAL	15290.00		1097.64	1046.01	-51.63	1318.13	1166.53	-151.59	3200.28	2889.36	-310.92	4518.40	4055.89	-462.51	
35	JNNM PH-1 THERMAL	**		24.38	14.96	-9.42	42.05	0.00	-42.05	87.28	66.86	-20.42	129.33	66.86	-62.47	
36	NCE-WIND TOTAL	3766.60	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	NCE -OTHERS	309.66	30.00%	20.57	16.15	-4.42	0.00	0.00	0.00	105.73	92.81	-12.92	105.73	92.81	-12.92	
38	NCE-SOLAR Total	1466.43	1.00%	14.33	3.99	-10.34	0.00	0.00	0.00	34.97	25.48	-9.49	34.97	25.48	-9.49	
39	JNNM PH-1 SOLAR	39.00	0.00%	5.91	0.00	-5.91	0.00	0.00	0.00	62.06	0.00	-62.06	62.06	0.00	-62.06	
40	JNNM PH-2 SOLAR	1250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
41	Total NCE	6831.69		40.81	20.14	-20.67	0.00	0.00	0.00	202.75	118.29	-84.46	202.75	118.29	-84.46	
42	Godavari Gas	216.00	36.22%	69.05	44.20	-24.85	18.10	18.40	0.30	151.91	94.78	-57.13	170.01	113.18	-56.83	
43	Thermal Powertech Corporation India	1240.00	6.73%	142.81	169.13	26.32	253.03	247.41	-5.61	332.75	384.61	51.86	585.77	632.02	46.24	
44	SDSTPS (APPDCL)-STAGE 1	1600.00	32.60%	1049.00	387.88	-661.12	1612.88	634.20	-978.67	3293.86	1217.93	-2075.93	4906.74	1852.14	-3054.60	
45	Total Others	3056.00		1260.86	601.20	-659.66	1884.00	900.02	-983.98	3778.52	1697.31	-2081.20	5662.52	2597.33	-3065.19	
46	Total Dispatch			4707.64	3204.67	-1502.97	6010.28	4762.89	-1247.39	14693.39	9288.87	-5404.51	20703.67	14051.76	-6651.90	
47	JNNM PH-II THERMAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	1.12	0.00	1.12	1.12	
48	UI CHARGES			0.00	24.03	24.03	0.00	0.00	0.00	0.00	177.25	177.25	0.00	177.25	177.25	
49	NCE SOLAR-AYANA	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
50	NCE SOLAR-SPRING	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
51	NCE SOLAR-SBG	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
52	NTPC NPKunta Ultra Mega Solar PVP	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
53	Short Term Purchases			0.00	1581.39	1581.39	0.00	0.00	0.00	0.00	5720.70	5720.70	0.00	5720.70	5720.70	
54	Purchase from SPDCL			1768.88	1603.48	-165.40	0.00	0.00	0.00	5165.13	6809.78	1644.65	5165.13	6809.78	1644.65	
55	Net Dispatch			6476.52	6413.58	-62.94	6010.28	4762.89	-1247.39	19858.52	21997.73	2139.21	25868.80	26760.62	891.82	
56	TRANSMISSION COST						2040.40	2040.39	-0.01				2040.40	2040.39	-0.01	
57	SLDC COST						31.58	42.70	11.12				31.58	42.70	11.12	
58	PGCIL						1342.53	1061.16	-281.37				1342.53	1061.16	-281.37	
59	ULDC COST						13.43	2.21	-11.22				13.43	2.21	-11.22	
60	TOTAL TRANSMISSION & ULDC CHARGES			0.00	0.00	0.00	3427.93	3146.46	-281.47	0.00	0.00	0.00	3427.93	3146.46	-281.47	
61	INADVERTENT ENERGY YET TO BE RECONCILED				109.20											
62	TOTAL POWER PURCHASE			6476.52	6522.77	-62.94	9438.21	7909.34	-1528.86	19858.52	21997.73	2139.21	29296.72	29907.07	610.35	

**BUNDLED CAPACITY CLUBBED WITH CGS STATIONS

4.585025194

Annexure-IV

APCPDCL FPPCA Filings for 1st Quarter of FY 2021-2022

S.No.	Generating station/ Stage/Source	Plant capacity (MW)	Discom's share (%)	Energy (MU)			Cost Components (Rs.Millions)																		
							Fixed (A)			Variable (B)			Incentive (C)			Income Tax (D)			Others (E)			Total F=(A+B+C+D+E)			
				TO (a)	Actual (b)	Variance (c)= (b-a)	TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (j)	Actual (k)	Variance (l)= (k-j)	TO (m)	Actual (n)	Variance (o)= (n-m)	TO (p)	Actual (q)	Variance (r)= (q-p)	TO (s)	Actual (t)	Variance (u)= (t-s)	
1	Dr.NTTPS-I	420	23.34%	163.00	158.19	-4.81	135.42	135.42	0.00	544.42	528.35	-16.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	679.84	663.77	-16.07
2	Dr.NTTPS-II	420	23.34%	163.00	158.19	-4.81	135.42	135.42	0.00	544.42	528.35	-16.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	679.84	663.77	-16.07
3	Dr.NTTPS-III	420	23.34%	163.00	158.19	-4.81	135.42	135.42	0.00	544.42	528.35	-16.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	679.84	663.77	-16.07
4	Dr.NTTPS-IV	500	23.34%	196.68	194.83	-1.85	166.13	166.12	0.00	619.54	613.70	-5.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	785.67	779.82	-5.85
5	RTPP Stage-I	420	23.34%	163.00	30.72	-132.28	154.15	154.14	-0.01	629.18	87.89	-541.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	783.33	242.04	-541.29
6	RTPP Stage-II	420	23.34%	163.00	74.45	-88.55	150.65	150.66	0.01	629.18	256.72	-372.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	779.83	407.38	-372.45
7	RTPP Stage-III	210	23.34%	81.50	26.48	-55.02	98.73	98.72	-0.01	314.59	71.54	-243.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	413.32	170.25	-243.06
8	RTPP Stage-IV	600	23.34%	262.02	80.86	-181.16	448.13	403.30	-44.83	958.99	295.90	-663.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1407.12	699.20	-707.92
9	TOTAL (Thermal)	3410		1355.20	881.91	-473.29	1424.04	1379.20	-44.83	4784.75	2910.80	-1873.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6208.78	4290.00	-1918.78
10	Srisaillam -RBPH	770	23.34%	14.64	3.87	-10.77	130.33	130.33	0.01	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	130.33	130.33	0.01
11	NSRCPH	90	23.34%	0.51	0.77	0.26	14.95	14.95	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	0.00	14.95	14.95	0.00
12	NSTPDC PH	50	23.34%	0.69	1.04	0.35	29.63	29.62	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.63	29.62	-0.01
13	Sileru Complex	725	23.34%	82.81	71.29	-11.52	138.68	138.65	-0.03	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	138.68	138.65	-0.03
14	Pennaahobilam	20	23.34%	0.00	-0.02	-0.02	7.75	7.75	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	0.00	7.75	7.75	0.00
15	Mini Hydel (Chettipeta)	1	23.34%	0.05	0.05	0.00	1.03	1.03	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	0.00	1.03	1.03	0.00
16	GENCO-HYDEL	1656		98.70	76.99	-21.71	322.35	322.32	-0.03	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	322.35	322.32	-0.03
17	Inter-state hydel(AP SHARE)	142	23.34%	17.94	22.10	4.16	36.08	36.03	-0.05	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	36.08	36.03	-0.05
18	APGENCO-TOTAL	5208		1471.84	981.01	-490.83	1782.46	1737.55	-44.91	4784.75	2910.80	-1873.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6567.21	4648.35	-1918.86
19	NTPC (SR) Ramagundam I & II	2100	3.20%	114.09	112.18	-1.91	78.93	45.55	-33.38	278.38	284.81	6.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	357.30	330.36	-26.95
20	NTPC (SR) Simhadri Stage 1	1000	10.76%	143.88	190.74	46.86	226.03	182.60	-43.43	453.22	559.04	105.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	679.25	741.64	62.39
21	NTPC (SR) Simhadri Stage 2	1000	4.90%	53.01	37.81	-15.20	125.15	75.47	-49.68	163.80	109.94	-53.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	288.95	185.41	-103.54
22	NTPC (SR) Talcher St. II	2000	2.10%	72.42	74.02	1.60	53.83	53.10	-0.73	143.39	138.49	-4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.22	191.59	-5.62
23	NTPC (SR) Ramagundam Stage-III	500	3.37%	21.12	31.38	10.26	20.03	22.73	2.71	50.69	78.48	27.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.71	101.21	30.50
24	NTPC Kudgi Stage 1	2400	2.38%	99.36	26.61	-72.75	132.78	163.63	30.85	346.77	91.60	-255.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	479.54	255.23	-224.32
25	NTPC DADRI			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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	NTECL Valluru	1500	1.34%	39.89	33.85	-6.04	54.13	63.50	9.37	136.42	105.30	-31.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.55	168.80	-21.75
27	NLC Stage-I	630	1.73%	20.10	20.46	0.36	24.85	12.28	-12.57	57.89	53.98	-3.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.74	66.26	-16.48
28	NLC Stage-II	840	2.38%	36.06	31.39	-4.67	25.68	23.21	-2.47	99.89	82.79	-17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.56	106.00	-19.56
29	NPC (MAPS)	440	0.96%	2.97	0.13	-2.84	0.00	0.00	0.00	7.75	0.32	-7.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.75	0.32	-7.44
30	NPC (Kaiga Unit-I,II)	880	3.03%	47.61	50.76	3.15	0.00	0.00	0.00	165.68	174.50	8.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.68	174.50	8.82
31	NPC (Kaiga Unit-III & IV)			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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	NTPL (NLC Tamilnadu Power Ltd Stage-1) (TUTICORIN)	1000	2.83%	45.47	47.76	2.29	82.25	77.43	-4.82	131.86	145.63	13.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	214.11	223.06	8.95
33	NLC NNTPS	1000	1.23%	11.34	16.96	5.62	25.73	32.11	6.39	26.54	36.99	10.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.26	69.10	16.84
34	CGS TOTAL	15290		707.32	674.06	-33.26	849.35	751.61	-97.74	2062.28	1861.86	-200.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2911.63	2613.47	-298.16
35	JNNSM PH-1 THERMAL	**		15.71	9.64	-6.07	27.09	0.00	-27.09	56.24	43.11	-13.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.33	43.11	-40.22

36	NCE-WIND TOTAL	3767	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	NCE -OTHERS	310	29.78%	20.08	8.40	-11.68	0.00	0.00	0.00	103.21	58.34	-44.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.21	58.34	-44.87
38	NCE-SOLAR Total	1466	1.91%	28.66	15.74	-12.92	0.00	0.00	0.00	69.93	110.99	41.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.93	110.99	41.06
39	JNNSM PH-1 SOLAR	39	0.00%	3.81	0.00	-3.81	0.00	0.00	0.00	40.01	0.00	-40.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.01	0.00	-40.01
40	JNNSM PH-2 SOLAR	1250	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	Total NCE	6832		52.55	24.14	-28.41	0.00	0.00	0.00	213.15	169.33	-43.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	213.15	169.33	-43.82	
42	Godavari Gas	216	23.34%	44.50	28.48	-16.02	11.68	11.90	0.23	97.90	61.01	-36.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.58	72.91	-36.66
43	Thermal Powertech Corporation India	1240	4.34%	92.03	108.98	16.95	163.05	159.43	-3.62	214.43	247.84	33.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	377.48	407.27	29.79
44	SDSTPS (APPDCL)-STAGE 1	1600	21.01%	675.96	249.95	-426.01	1039.33	408.68	-630.65	2122.51	784.83	-1337.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3161.84	1193.51	-1968.33
45	Total Others	3056		812.49	387.41	-425.08	1214.05	580.01	-634.04	2434.84	1093.68	-1341.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3648.89	1673.69	-1975.21	
46	Total Dispatch			3059.91	2076.26	-983.65	3872.95	3069.17	-803.78	9551.26	6078.78	-3472.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13424.21	9147.95	-4276.26	
47	JNNSM PH-II THERMAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.76	0.00
48	UI CHARGES			0.00	15.49	15.49	0.00	0.00	0.00	0.00	114.22	114.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	114.22	114.22	0.00
49	NCE SOLAR-AYANA	250	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	NCE SOLAR-SPRING	250	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	NCE SOLAR-SBG	250	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	NTPC NPKunta Ultra Mega Solar PVP	250	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	Short Term Purchases			0.00	1019.04	1019.04	0.00	0.00	0.00	0.00	3686.40	3686.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3686.40	3686.40	0.00
54	Purchase from SPDCL			887.50	914.73	27.23	0.00	0.00	0.00	2600.38	3883.77	1283.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2600.38	3883.77	1283.40
55	Net Dispatch			3947.41	4025.52	78.11	3872.95	3069.17	-803.78	12151.63	13763.93	1612.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16024.58	16833.10	808.52	
56	TRANSMISSION COST						1432.13	1432.12	0.00													1432.13	1432.12	0.00
57	SLDC COST						20.50	27.65	7.15													20.50	27.65	7.15
58	PGCIL						865.13	683.81	-181.32													865.13	683.81	-181.32
59	ULDC COST						8.65	1.42	-7.23													8.65	1.42	-7.23
60	TOTAL TRANSMISSION & ULDC CHARGES			0.00	0.00	0.00	2326.40	2145.00	-181.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2326.40	2145.00	-181.40	
61	INADVERTENT ENERGY YET TO BE RECONCILED				66.77																			
62	TOTAL POWER PURCHASE			3947.41	4092.29	78.11	6199.35	5214.17	-985.18	12151.63	13763.93	1612.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18350.98	18978.10	627.11	
	**BUNDLED CAPACITY CLUBBED WITH CGS STATIONS																							

Annexure-V
APSPDCL FPPCA Filings for 2nd Quarter of FY 2021-2022

S.No.	Generating station/ Stage/Source	Plant capacity (MW)	Discom's share (%)	Energy (MU)			Cost Components (Rs.Millions)																	
							Fixed (A)			Variable (B)			Incentive (C)			Income Tax (D)			Others (E)			Total F=(A+B+C+D+E)		
				TO (a)	Actual (b)	Variance (c)= (b-a)	TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (j)	Actual (k)	Varian ce	TO (m)	Actual (n)	Varia nce	TO (p)	Actual (q)	Varian ce	TO (s)	Actual (t)	Variance (u)= (t-s)
1	Dr.NTTPS-I	420.00	40.44%	189.30	232.80	43.50	234.60	234.64	0.04	632.26	712.90	80.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	866.86	947.53	80.67
2	Dr.NTTPS-II	420.00	40.44%	166.02	232.80	66.78	234.60	234.64	0.04	554.51	712.87	158.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	789.11	947.50	158.40
3	Dr.NTTPS-III	420.00	40.44%	108.92	232.80	123.88	234.60	234.64	0.04	363.79	712.87	349.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	598.39	947.50	349.11
4	Dr.NTTPS-IV	500.00	40.44%	344.53	324.05	-20.48	287.83	287.83	0.01	1085.27	981.71	-103.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1373.09	1269.54	-103.56
5	RTPP Stage-I	420.00	40.44%	1.55	98.89	97.34	267.08	267.08	0.00	5.98	424.81	418.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	273.06	691.89	418.83
6	RTPP Stage-II	420.00	40.44%	0.00	223.20	223.20	261.05	261.04	-0.01	0.00	892.29	892.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	261.05	1153.33	892.28
7	RTPP Stage-III	210.00	40.44%	0.00	88.46	88.46	171.05	171.04	-0.01	0.00	386.30	386.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.05	557.34	386.29
8	RTPP Stage-IV	600.00	40.44%	149.66	281.38	131.72	776.45	776.44	-0.01	547.76	1014.63	466.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1324.21	1791.07	466.87
9	TOTAL (Thermal)	3410.00		959.98	1714.37	754.39	2467.25	2467.34	0.09	3189.57	5838.37	2648.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5656.82	8305.70	2648.89
10	Srisaillam -RBPH	770.00	40.44%	185.40	202.56	17.16	225.83	225.82	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	225.83	225.82	-0.01
11	NSRCPH	90.00	40.44%	14.10	26.31	12.21	25.90	25.90	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	25.90	25.90	0.00
12	NSTPDC PH	50.00	40.44%	10.00	28.48	18.48	51.33	51.32	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.33	51.32	-0.01
13	Sileru Complex	725.00	40.44%	158.74	154.55	-4.19	240.28	240.26	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	240.28	240.26	-0.01
14	Pennaahobilam	20.00	40.44%	0.76	0.60	-0.16	13.43	13.43	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	13.43	13.43	0.00
15	Mini Hydel (Chettipeta)	1.00	40.44%	0.40	0.27	-0.13	1.78	1.78	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	1.78	1.78	0.00
16	GENCO-HYDEL	1656.00		369.40	412.78	43.38	558.53	558.51	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	558.53	558.51	-0.02
17	Inter-state hydel(AP SHARE)	141.60	40.44%	47.26	62.28	15.02	62.50	62.51	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.50	62.51	0.01
18	APGENCO-TOTAL	5207.60		1376.64	2189.43	812.79	3088.28	3088.35	0.08	3189.57	5838.37	2648.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6277.84	8926.72	2648.88
19	NTPC (SR) Ramagundam I & II	2100.00	5.54%	197.67	181.34	-16.33	136.75	273.06	136.31	482.31	490.23	7.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	619.06	763.29	144.23
20	NTPC (SR) Simhadri Stage 1	1000.00	18.65%	319.52	283.96	-35.56	391.65	501.16	109.51	1006.49	872.03	-134.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1398.14	1373.20	-24.94
21	NTPC (SR) Simhadri Stage 2	1000.00	8.48%	165.66	141.27	-24.39	216.85	266.89	50.04	511.89	431.14	-80.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	728.74	698.03	-30.71
22	NTPC (SR) Talcher St. II	2000.00	3.64%	125.49	106.22	-19.27	93.28	103.58	10.31	248.47	166.39	-82.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	341.75	269.97	-71.77
23	NTPC (SR) Ramagundam Stage-III	500.00	5.85%	54.90	50.87	-4.03	34.70	39.25	4.55	131.76	135.16	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.46	174.41	7.95
24	NTPC Kudgi Stage 1	2400.00	4.12%	57.38	77.21	19.83	230.05	271.93	41.88	200.26	268.28	68.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	430.31	540.21	109.90
25	NTPC DADRI			0.00	0.00	0.00	0.00	-6.13	-6.13	0.00	7.96	7.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.83	1.83
26	NTECL Valluru	1500.00	2.32%	9.99	47.70	37.71	93.80	111.46	17.66	34.17	145.86	111.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127.97	257.32	129.35
27	NLC Stage-I	630.00	3.00%	34.83	26.28	-8.55	43.05	24.32	-18.73	100.31	67.95	-32.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.36	92.26	-51.10
28	NLC Stage-II	840.00	4.12%	62.49	53.17	-9.32	44.50	43.40	-1.10	173.10	140.21	-32.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	217.60	183.61	-33.99
29	NPC (MAPS)	440.00	1.67%	5.16	2.71	-2.45	0.00	0.00	0.00	13.47	7.03	-6.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.47	7.03	-6.43
30	NPC (Kaiga Unit-I,II)	880.00	5.24%	82.47	82.63	0.16	0.00	0.00	0.00	287.10	293.90	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	287.10	293.90	6.80
31	NPC (Kaiga Unit-III & IV)																							
32	NTPL (NLC Tamilnadu Power Ltd Stage-1)(TUTICORIN)	1000.00	4.91%	83.25	66.72	-16.53	142.53	124.75	-17.77	241.43	195.11	-46.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	383.95	319.86	-64.09

33	NLC NNTPS	1000.00	2.13%	19.65	29.92	10.27	44.58	60.73	16.15	45.98	65.53	19.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.56	126.26	35.70
34	CGS TOTAL	15290.00		1218.46	1150.00	-68.46	1471.73	1814.40	342.67	3476.73	3286.79	-189.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4948.45	5101.19	152.74
35	JNNSM PH-1 THERMAL	**		8.97	18.04	9.07	46.95	0.00	-46.95	32.11	85.79	53.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.06	85.79	6.73
36	NCE-WIND TOTAL	3766.60	100.00%	2633.99	3136.18	502.19	0.00	0.00	0.00	6400.60	14740.05	8339.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6400.60	14740.05	8339.46
37	NCE -OTHERS	309.66	39.87%	39.44	50.33	10.89	0.00	0.00	0.00	202.72	211.38	8.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202.72	211.38	8.66
38	NCE-SOLAR Total	1466.43	97.24%	1142.89	570.47	-572.42	0.00	0.00	0.00	2788.65	2658.37	-130.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2788.65	2658.37	-130.28
39	JNNSM PH-1 SOLAR	39.00	100.00%	6.60	3.54	-3.06	0.00	0.00	0.00	69.30	37.58	-31.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.30	37.58	-31.72
40	JNNSM PH-2 SOLAR	1250.00	100.00%	561.55	536.72	-24.83	0.00	0.00	0.00	1370.18	2395.64	1025.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1370.18	2395.64	1025.46
41	Total NCE	6831.69		4384.47	4297.24	-87.23	0.00	0.00	0.00	10831.45	20043.03	9211.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10831.45	20043.03	9211.58
42	Godavari Gas	216.00	40.44%	103.91	41.40	-62.51	20.23	23.09	2.87	228.60	92.87	-135.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	248.83	115.96	-132.87
43	Thermal Powertech Corporation India	1240.00	7.52%	157.04	171.01	13.97	282.50	323.43	40.93	365.90	390.33	24.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	648.40	713.76	65.36
44	SDSTPS (APPDCL)-STAGE 1	1600.00	36.40%	1184.08	461.32	-722.76	1800.78	776.60	-1024.18	3718.01	1446.32	-2271.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5518.79	2222.91	-3295.87
45	Total Others	3056.00		1445.03	673.73	-771.30	2103.50	1123.12	-980.38	4312.52	1929.51	-2383.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6416.02	3052.63	-3363.38
46	Total Dispatch			8433.57	8328.45	-105.12	6710.45	6025.87	-684.58	21842.38	31183.49	9341.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28552.83	37209.36	8656.54
47	JNNSM PH-II THERMAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.16	12.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.16	12.16
48	UI CHARGES			0.00	11.72	11.72	0.00	0.00	0.00	0.00	175.86	175.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.86	175.86
49	NCE SOLAR-AYANA	250.00	100.00%	0.00	132.08	132.08	0.00	0.00	0.00	0.00	379.39	379.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	379.39	379.39
50	NCE SOLAR-SPRING	250.00	100.00%	0.00	128.33	128.33	0.00	0.00	0.00	0.00	287.16	287.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	287.16	287.16
51	NCE SOLAR-SBG	250.00	100.00%	0.00	133.57	133.57	0.00	0.00	0.00	0.00	374.01	374.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	374.01	374.01
52	NTPC NPKunta Ultra Mega Solar PVP	250.00	100.00%	0.00	88.70	88.70	0.00	0.00	0.00	0.00	529.87	529.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	529.87	529.87
53	Short Term Purchases			0.00	789.33	789.33	0.00	0.00	0.00	0.00	4357.63	4357.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4357.63	4357.63
54	Sale to EPDCL			1073.85	1948.22	874.37	0.00	0.00	0.00	3135.64	8764.82	5629.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3135.64	8764.82	5629.18
55	Sale to CPDCL			797.99	1124.71	326.72	0.00	0.00	0.00	2338.11	5058.34	2720.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2338.11	5058.34	2720.23
56	Net Dispatch			6561.73	6539.25	-22.48	6710.45	6025.87	-684.58	16368.62	23476.41	7107.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23079.07	29502.28	6423.21
57	TRANSMISSION COST						2481.80	1958.76	-523.04													2481.80	1958.76	-523.04
58	SLDC COST						108.35	94.10	-14.25													108.35	94.10	-14.25
59	PGCIL						1498.95	950.32	-548.63													1498.95	950.32	-548.63
60	ULDC COST						15.00	6.39	-8.61													15.00	6.39	-8.61
61	TOTAL TRANSMISSION & ULDC CHARGES			0.00	0.00	0.00	4104.10	3009.57	-1094.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4104.10	3009.57	-1094.53
62	nce wind& solar related to previous quarter				259.04						1218.02											0.00	1218.02	1218.02
63	TOTAL POWER PURCHASE			6561.73	6798.29	-22.48	10814.55	9035.44	-1779.11	16368.62	24694.43	7107.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27183.17	33729.87	6546.70

ANNEXURE-VI

APEPDCL FPPCA Filings for 2nd Quarter of FY 2021-2022

S.No.	Generating station/ Stage/Source	Plant capacity (MW)	Discom's share (%)	Energy (MU)			Cost Components (Rs.Millions)								
				TO (a)	Actual (b)	Variance (c)= (b-a)	Fixed (A)			Variable (B)			Total F=(A+B+C+D+E)		
							TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (s)	Actual (t)	Variance (u)= (t-s)
1	Dr.NTTPS-I	420.00	36.22%	255.70	208.51	-47.19	210.15	210.15	0.00	854.04	638.50	-215.53	1064.19	848.66	-215.53
2	Dr.NTTPS-II	420.00	36.22%	234.86	208.51	-26.35	210.15	210.15	0.00	784.43	638.50	-145.93	994.58	848.66	-145.93
3	Dr.NTTPS-III	420.00	36.22%	234.86	208.51	-26.35	210.15	210.15	0.00	784.43	638.50	-145.93	994.58	848.66	-145.93
4	Dr.NTTPS-IV	500.00	36.22%	308.59	290.24	-18.35	257.80	257.80	0.00	972.06	879.26	-92.79	1229.86	1137.06	-92.80
5	RTPP Stage-I	420.00	36.22%	214.02	88.57	-125.45	239.20	239.21	0.01	826.12	380.48	-445.63	1065.32	619.69	-445.63
6	RTPP Stage-II	420.00	36.22%	255.70	199.90	-55.80	233.80	233.80	0.00	987.00	799.17	-187.83	1220.80	1032.97	-187.83
7	RTPP Stage-III	210.00	36.22%	127.85	79.23	-48.62	153.20	153.19	-0.01	493.50	345.99	-147.52	646.70	499.18	-147.52
8	RTPP Stage-IV	600.00	36.22%	411.06	252.02	-159.04	695.43	695.41	-0.01	1504.48	908.75	-595.73	2199.90	1604.17	-595.74
9	TOTAL (Thermal)	3410.00		2042.64	1535.47	-507.17	2209.88	2209.86	-0.01	7206.06	5229.17	-1976.89	9415.94	7439.04	-1976.90
10	Srisaillam -RBPB	770.00	36.22%	166.06	181.42	15.36	202.25	202.25	0.00	0.00	0.00	0.00	202.25	202.25	0.00
11	NSRCPH	90.00	36.22%	12.62	23.57	10.95	23.20	23.20	0.00	0.00	0.00	0.00	23.20	23.20	0.00
12	NSTPDC PH	50.00	36.22%	8.96	25.51	16.55	45.98	45.96	-0.01	0.00	0.00	0.00	45.98	45.96	-0.01
13	Sileru Complex	725.00	36.22%	142.18	138.42	-3.76	215.20	215.19	-0.01	0.00	0.00	0.00	215.20	215.19	-0.01
14	Pennaahobilam	20.00	36.22%	0.68	0.54	-0.14	12.03	12.03	0.00	0.00	0.00	0.00	12.03	12.03	0.00
15	Mini Hydel (Chettipeta)	1.00	36.22%	0.37	0.24	-0.13	1.60	1.59	-0.01	0.00	0.00	0.00	1.60	1.59	-0.01
16	GENCO-HYDEL	1656.00		330.87	369.70	38.83	500.25	500.23	-0.02	0.00	0.00	0.00	500.25	500.23	-0.02
17	Inter-state hydel(AP SHARE)	141.60	36.22%	42.33	55.78	13.45	55.98	55.99	0.01	0.00	0.00	0.00	55.98	55.99	0.01
18	APGENCO-TOTAL	5207.60		2415.84	1960.96	-454.88	2766.11	2766.08	-0.03	7206.06	5229.17	-1976.89	9972.17	7995.25	-1976.92
19	NTPC (SR) Ramagundam I & II	2100.00	4.96%	177.06	162.42	-14.64	122.48	244.56	122.09	432.03	439.08	7.05	554.50	683.64	129.14
20	NTPC (SR) Simhadri Stage 1	1000.00	16.70%	311.26	254.33	-56.93	350.78	448.87	98.09	980.47	781.03	-199.43	1331.24	1229.90	-101.34
21	NTPC (SR) Simhadri Stage 2	1000.00	7.60%	148.36	126.52	-21.84	194.23	239.04	44.81	458.43	386.15	-72.29	652.66	625.19	-27.47
22	NTPC (SR) Talcher St. II	2000.00	3.26%	112.38	95.14	-17.24	83.55	92.78	9.23	222.51	149.03	-73.49	306.06	241.80	-64.26
23	NTPC (SR) Ramagundam Stage-III	500.00	5.24%	49.17	45.56	-3.61	31.08	35.15	4.08	118.01	121.06	3.05	149.08	156.21	7.13
24	NTPC Kudgi Stage 1	2400.00	3.69%	154.17	69.16	-85.01	206.05	243.55	37.50	538.05	240.29	-297.77	744.10	483.84	-260.27
25	NTPC DADRI			0.00	0.00	0.00	0.00	-5.49	-5.49	0.00	7.13	7.13	0.00	1.64	1.64
26	NTECL Valluru	1500.00	2.08%	28.66	42.73	14.07	84.00	99.83	15.83	98.02	130.64	32.62	182.02	230.47	48.45
27	NLC Stage-I	630.00	2.69%	31.20	23.54	-7.66	38.55	21.78	-16.77	89.86	60.86	-29.00	128.41	82.64	-45.77
28	NLC Stage-II	840.00	3.69%	55.98	47.63	-8.35	39.85	38.87	-0.98	155.06	125.58	-29.48	194.91	164.45	-30.46
29	NPC (MAPS)	440.00	1.49%	4.62	2.42	-2.20	0.00	0.00	0.00	12.06	6.30	-5.76	12.06	6.30	-5.76
30	NPC (Kaiga Unit-I,II)	880.00	4.70%	73.86	74.01	0.15	0.00	0.00	0.00	257.10	263.23	6.13	257.10	263.23	6.13
31	NPC (Kaiga Unit-III & IV)														
32	NTPL (NLC Tamilnadu Power Ltd Stage-1)(TUTICORIN)	1000.00	4.39%	74.55	59.76	-14.79	127.65	111.73	-15.92	216.20	174.75	-41.44	343.85	286.49	-57.36
33	NLC NNTPS	1000.00	1.91%	17.58	26.80	9.22	39.93	54.39	14.46	41.14	58.69	17.56	81.06	113.08	32.02
34	CGS TOTAL	15290.00		1238.85	1030.00	-208.85	1318.13	1625.06	306.94	3618.93	2943.81	-675.12	4937.05	4568.87	-368.19

35	JNNSM PH-1 THERMAL	**		24.64	16.16	-8.48	42.05	0.00	-42.05	88.21	76.84	-11.37	130.26	76.84	-53.42
36	NCE-WIND TOTAL	3766.60	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	NCE -OTHERS	309.66	30.00%	23.67	12.27	-11.40	0.00	0.00	0.00	121.66	51.54	-70.13	121.66	51.54	-70.13
38	NCE-SOLAR Total	1466.43	1.00%	11.79	3.23	-8.56	0.00	0.00	0.00	28.77	20.66	-8.11	28.77	20.66	-8.11
39	JNNSM PH-1 SOLAR	39.00	0.00%	5.91	0.00	-5.91	0.00	0.00	0.00	62.06	0.00	-62.06	62.06	0.00	-62.06
40	JNNSM PH-2 SOLAR	1250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	Total NCE	6831.69		41.37	15.50	-25.87	0.00	0.00	0.00	212.49	72.20	-140.29	212.49	72.20	-140.29
42	Godavari Gas	216.00	36.22%	93.08	37.08	-56.00	18.10	20.68	2.58	204.78	83.18	-121.60	222.88	103.86	-119.02
43	Thermal Powertech Corporation India	1240.00	6.73%	140.66	153.17	12.51	253.03	289.68	36.66	327.74	349.60	21.86	580.76	639.28	58.52
44	SDSTPS (APPDCL)-STAGE 1	1600.00	32.60%	1060.54	413.18	-647.36	1612.88	695.56	-917.32	3330.10	1295.39	-2034.71	4942.97	1990.95	-2952.02
45	Total Others	3056.00		1294.28	603.43	-690.85	1884.00	1005.92	-878.08	3862.61	1728.16	-2134.44	5746.61	2734.09	-3012.52
46	Total Dispatch			5014.98	3626.05	-1388.93	6010.28	5397.06	-613.22	14988.30	10050.18	-4938.12	20998.58	15447.23	-5551.34
47	JNNSM PH-II THERMAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.90	10.90	0.00	10.90	10.90
48	UI CHARGES			0.00	10.50	10.50	0.00	0.00	0.00	0.00	157.51	157.51	0.00	157.51	157.51
49	NCE SOLAR-AYANA	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	NCE SOLAR-SPRING	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	NCE SOLAR-SBG	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	NTPC NPKunta Ultra Mega Solar PVP	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	Short Term Purchases			0.00	706.96	706.96	0.00	0.00	0.00	0.00	3902.90	3902.90	0.00	3902.90	3902.90
54	Purchase from SPDCL			1073.85	1948.22	874.37	0.00	0.00	0.00	3135.64	8764.82	5629.18	3135.64	8764.82	5629.18
55	Net Dispatch			6088.83	6291.72	202.89	6010.28	5397.06	-613.22	18123.94	22886.30	4762.36	24134.22	28283.36	4149.14
56	TRANSMISSION COST						2040.40	1787.40	-253.00				2040.40	1787.40	-253.00
57	SLDC COST						31.58	27.41	-4.16				31.58	27.41	-4.16
58	PGCIL						1342.53	851.15	-491.37				1342.53	851.15	-491.37
59	ULDC COST						13.43	5.72	-7.70				13.43	5.72	-7.70
60	TOTAL TRANSMISSION & ULDC CHARGES			0.00	0.00	0.00	3427.93	2671.69	-756.24	0.00	0.00	0.00	3427.93	2671.69	-756.24
61	nce solar related to previous quarter				-0.07						-0.45		0.00	-0.45	-0.45
62	TOTAL POWER PURCHASE			6088.83	6291.65	202.89	9438.21	8068.75	-1369.46	18123.94	22885.85	4762.36	27562.14	30954.60	3392.46

Annexure - VII
APCPDCL FPPCA Filings for 2nd Quarter of FY 2021-2022

S.No.	Generating station/ Stage/Source	Plant capacity (MW)	Discom's share (%)	Energy (MU)			Cost Components (Rs.Millions)																		
							Fixed (A)			Variable (B)			Incentive (C)			Income Tax (D)			Others (E)			Total F=(A+B+C+D+E)			
				TO (a)	Actual (b)	Variance (c)= (b-a)	TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (j)	Actual (k)	Variance (l)= (k-j)	TO (m)	Actual (n)	Variance (o)= (n-m)	TO (p)	Actual (q)	Variance (r)= (q-p)	TO (s)	Actual (t)	Variance (u)= (t-s)	
1	Dr.NTTPS-I	420.00	23.34%	164.78	134.36	-30.42	135.42	135.42	0.00	550.37	411.45	-138.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	685.79	546.87	-138.92
2	Dr.NTTPS-II	420.00	23.34%	151.34	134.36	-16.98	135.42	135.42	0.00	505.48	411.47	-94.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	640.90	546.89	-94.00
3	Dr.NTTPS-III	420.00	23.34%	151.34	134.36	-16.98	135.42	135.42	0.00	505.48	411.47	-94.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	640.90	546.89	-94.00
4	Dr.NTTPS-IV	500.00	23.34%	198.84	187.03	-11.81	166.13	166.12	0.00	626.35	566.59	-59.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	792.47	732.72	-59.75
5	RTTP Stage-I	420.00	23.34%	137.91	57.07	-80.84	154.15	154.14	-0.01	532.33	245.18	-287.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	686.48	399.33	-287.16
6	RTTP Stage-II	420.00	23.34%	164.78	128.82	-35.96	150.65	150.66	0.01	636.05	514.98	-121.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	786.70	665.64	-121.06
7	RTTP Stage-III	210.00	23.34%	82.39	51.05	-31.34	98.73	98.72	-0.01	318.03	222.95	-95.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	416.75	321.67	-95.08
8	RTTP Stage-IV	600.00	23.34%	264.90	162.40	-102.50	448.13	448.12	0.00	969.53	585.60	-383.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1417.66	1033.72	-383.94
9	TOTAL (Thermal)	3410.00		1316.28	989.45	-326.83	1424.04	1424.03	-0.01	4643.61	3369.70	-1273.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6067.64	4793.73	-1273.91
10	Srisailem -RBPH	770.00	23.34%	107.01	116.91	9.90	130.33	130.33	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	0.00	130.33	130.33	0.00
11	NSRCPH	90.00	23.34%	8.13	15.19	7.06	14.95	14.95	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	0.00	14.95	14.95	0.00
12	NSTPDC PH	50.00	23.34%	5.77	16.44	10.67	29.63	29.62	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.63	29.62	-0.01
13	Sileru Complex	725.00	23.34%	91.61	89.20	-2.41	138.68	138.67	-0.01	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	138.68	138.67	-0.01
14	Pennaahobilam	20.00	23.34%	0.44	0.35	-0.09	7.75	7.75	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	0.00	7.75	7.75	0.00
15	Mini Hydel (Chettipeta)	1.00	23.34%	0.24	0.16	-0.08	1.03	1.03	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	0.00	1.03	1.03	0.00
16	GENCO-HYDEL	1656.00		213.20	238.24	25.04	322.35	322.34	-0.01	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	322.35	322.34	-0.01
17	Inter-state hydel(AP SHARE)	141.60	23.34%	27.28	35.95	8.67	36.08	36.08	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	0.00	36.08	36.08	0.00
18	APGENCO-TOTAL	5207.60		1556.76	1263.63	-293.13	1782.46	1782.45	-0.01	4643.61	3369.70	-1273.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6426.07	5152.15	-1273.91
19	NTPC (SR) Ramagundam I & II	2100.00	3.20%	114.09	104.66	-9.43	78.93	157.59	78.67	278.38	282.94	4.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	357.30	440.53	83.23
20	NTPC (SR) Simhadri Stage 1	1000.00	10.76%	200.56	163.89	-36.67	226.03	289.25	63.22	631.76	503.29	-128.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	857.79	792.54	-65.25
21	NTPC (SR) Simhadri Stage 2	1000.00	4.90%	95.62	81.53	-14.09	125.15	154.04	28.89	295.47	248.83	-46.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	420.62	402.87	-17.75
22	NTPC (SR) Talcher St. II	2000.00	2.10%	72.42	61.31	-11.11	53.83	59.78	5.96	143.39	96.03	-47.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.22	155.82	-41.40
23	NTPC (SR) Ramagundam Stage-	500.00	3.37%	31.68	29.36	-2.32	20.03	22.65	2.63	76.03	78.01	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.06	100.66	4.61
24	NTPC Kudgi Stage 1	2400.00	2.38%	99.36	44.56	-54.80	132.78	156.94	24.17	346.77	154.84	-191.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	479.54	311.78	-167.76
25	NTPC DADRI			0.00	0.00	0.00	0.00	-3.54	-3.54	0.00	4.59	4.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.06
26	NTECL Valluru	1500.00	1.34%	18.48	27.53	9.05	54.13	64.33	10.20	63.20	84.18	20.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.33	148.51	31.18
27	NLC Stage-I	630.00	1.73%	20.10	15.17	-4.93	24.85	14.03	-10.82	57.89	39.22	-18.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.74	53.25	-29.49
28	NLC Stage-II	840.00	2.38%	36.06	30.69	-5.37	25.68	25.05	-0.63	99.89	80.92	-18.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.56	105.97	-19.59
29	NPC (MAPS)	440.00	0.96%	2.97	1.56	-1.41	0.00	0.00	0.00	7.75	4.06	-3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.75	4.06	-3.69

Annexure-VIII

APSPDCL FPPCA Filings for 3rd Quarter of FY 2021-2022

S.No.	Generating station/ Stage/Source	Plant capacity (MW)	Discom's share (%)	Energy (MU)			Cost Components (Rs.Millions)																		
				TO (a)	Actual (b)	Variance (c)= (b-a)	Fixed (A)			Variable (B)			Incentive (C)			Income Tax (D)			Others (E)			Total F=(A+B+C+D+E)			
							TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (j)	Actual (k)	Variance (l)= (k-j)	TO (m)	Actual (n)	Variance (o)= (n-m)	TO (p)	Actual (q)	Variance (r)= (q-p)	TO (s)	Actual (t)	Variance (u)= (t-s)	
1	Dr.NTTPS-I	420.00	40.44%	238.96	241.16	2.20	234.60	234.64	0.04	798.13	805.46	7.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1032.73	1040.10	7.37
2	Dr.NTTPS-II	420.00	40.44%	262.23	241.16	-21.07	234.60	234.64	0.04	875.85	805.46	-70.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1110.45	1040.10	-70.35
3	Dr.NTTPS-III	420.00	40.44%	262.23	241.16	-21.07	234.60	234.64	0.04	875.85	805.46	-70.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1110.45	1040.10	-70.35
4	Dr.NTTPS-IV	500.00	40.44%	344.53	246.81	-97.72	287.83	287.83	0.01	1085.27	777.45	-307.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1373.09	1065.28	-307.81
5	RTPP Stage-I	420.00	40.44%	285.50	145.21	-140.29	267.08	267.08	0.00	1102.03	560.53	-541.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1369.11	827.60	-541.50
6	RTPP Stage-II	420.00	40.44%	238.95	177.42	-61.53	261.05	261.04	-0.01	922.35	684.86	-237.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1183.40	945.90	-237.50
7	RTPP Stage-III	210.00	40.44%	119.48	98.44	-21.04	171.05	171.04	-0.01	461.19	379.99	-81.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	632.24	551.03	-81.21
8	RTPP Stage-IV	600.00	40.44%	309.30	217.54	-91.76	776.45	776.44	-0.01	1132.04	796.18	-335.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1908.49	1572.62	-335.87
9	TOTAL (Thermal)	3410.00		2061.18	1608.89	-452.29	2467.25	2467.34	0.09	7252.70	5615.39	-1637.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9719.95	8082.72	-1637.23
10	Srisaillam -RBPH	770.00	40.44%	90.13	281.65	191.52	225.83	225.82	-0.01	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	225.83	225.82	-0.01
11	NSRCPH	90.00	40.44%	23.18	47.85	24.67	25.90	25.90	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	0.00	25.90	25.90	0.00
12	NSTPDC PH	50.00	40.44%	18.02	19.99	1.97	51.33	51.32	-0.01	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	51.33	51.32	-0.01
13	Sileru Complex	725.00	40.44%	152.94	135.22	-17.72	240.28	240.26	-0.01	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	240.28	240.26	-0.01
14	Pennaahobilam	20.00	40.44%	1.09	1.51	0.42	13.43	13.43	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	0.00	13.43	13.43	0.00
15	Mini Hydel (Chettipeta)	1.00	40.44%	0.16	0.21	0.05	1.78	1.78	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	0.00	1.78	1.78	0.00
16	GENCO-HYDEL	1656.00		285.52	486.42	200.90	558.53	558.51	-0.02	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	558.53	558.51	-0.02
17	Inter-state hydel(AP SHARE)	141.60	40.44%	47.13	62.93	15.80	62.50	62.51	0.01	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	62.50	62.51	0.01
18	APGENCO-TOTAL	5207.60		2393.83	2158.25	-235.58	3088.28	3088.35	0.08	7252.70	5615.39	-1637.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10340.98	8703.74	-1637.23
19	NTPC (SR) Ramagundam I & II	2100.00	5.54%	197.67	197.91	0.24	136.75	153.16	16.41	482.31	612.37	130.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	619.06	765.54	146.47
20	NTPC (SR) Simhadri Stage 1	1000.00	18.65%	347.52	264.05	-83.47	391.65	302.40	-89.25	1094.69	800.84	-293.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1486.34	1103.24	-383.10
21	NTPC (SR) Simhadri Stage 2	1000.00	8.48%	165.66	157.62	-8.04	216.85	380.48	163.63	511.89	334.37	-177.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	728.74	714.85	-13.89
22	NTPC (SR) Talcher St. II	2000.00	3.64%	125.49	134.51	9.02	93.28	100.29	7.02	248.47	240.15	-8.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	341.75	340.44	-1.30
23	NTPC (SR) Ramagundam Stage-III	500.00	5.85%	54.90	62.13	7.23	34.70	65.88	31.18	131.76	188.01	56.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.46	253.89	87.43
24	NTPC Kudgi Stage 1	2400.00	4.12%	172.14	87.14	-85.00	230.05	227.83	-2.22	600.77	339.96	-260.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	830.82	567.79	-263.03
25	NTPC DADR1			0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.81	-0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.81	-0.81
26	NTECL Valluru	1500.00	2.32%	67.15	54.21	-12.94	93.80	123.92	30.12	229.65	195.52	-34.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	323.45	319.44	-4.02
27	NLC Stage-I	630.00	3.00%	34.83	30.98	-3.85	43.05	22.90	-20.15	100.31	84.02	-16.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143.36	106.92	-36.44
28	NLC Stage-II	840.00	4.12%	62.49	44.03	-18.46	44.50	34.03	-10.47	173.10	119.70	-53.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	217.60	153.73	-63.87
29	NPC (MAPS)	440.00	1.67%	5.16	4.91	-0.25	0.00	0.00	0.00	13.47	11.81	-1.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.47	11.81	-1.66
30	NPC (Kaiga Unit-I,II)	880.00	5.24%	82.47	92.89	10.42	0.00	0.00	0.00	287.10	287.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	287.10	287.14	0.04
31	NPC (Kaiga Unit-III & IV)			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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	NTPL (NLC Tamilnadu Power Ltd Stage-1) (TUTICORIN)	1000.00	4.91%	87.87	37.67	-50.20	142.53	66.43	-76.09	254.82	134.51	-120.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	397.35	200.94	-196.40
33	NLC NNTPS	1000.00	2.13%	19.65	26.20	6.55	44.58	46.73	2.16	45.98	57.32	11.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.56	104.05	13.49
34	CGS TOTAL	15290.00		1423.00	1194.23	-228.77	1471.73	1524.06	52.33	4174.32	3404.92	-769.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5646.05	4928.98	-717.07
35	JNNSM PH-1 THERMAL	**		27.51	17.10	-10.41	46.95	0.00	-46.95	98.49	82.97	-15.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	145.44	82.97	-62.47
36	NCE-WIND TOTAL	3766.60	100.00%	1430.34	808.07	-622.27	0.00	0.00	0.00	3475.73	3362.66	-113.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3475.73	3362.66	-113.07
37	NCE -OTHERS	309.66	39.87%	68.20	62.15	-6.05	0.00	0.00	0.00	350.55	179.96	-170.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	350.55	179.96	-170.59
38	NCE-SOLAR Total	1466.43	97.24%	1074.37	517.40	-556.97	0.00	0.00	0.00	2621.46	2384.74	-236.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2621.46	2384.74	-236.72
39	JNNSM PH-1 SOLAR	39.00	100.00%	6.60	5.17	-1.43	0.00	0.00	0.00	69.30	55.17	-14.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.30	55.17	-14.13

40	JNNSM PH-2 SOLAR	1250.00	100.00%	571.20	525.75	-45.45	0.00	0.00	0.00	1393.73	2352.34	958.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1393.73	2352.34	958.61
41	Total NCE	6831.69		3150.71	1918.54	-1232.17	0.00	0.00	0.00	7910.77	8334.87	424.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7910.77	8334.87	424.11
42	Godavari Gas	216.00	40.44%	116.89	53.82	-63.07	20.23	17.60	-2.63	257.16	150.88	-106.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	277.38	168.48	-108.90
43	Thermal Powertech Corporation India	1240.00	7.52%	166.26	171.24	4.98	282.50	280.75	-1.75	387.39	376.72	-10.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	669.89	657.47	-12.42
44	SDSTPS (APPDCL)-STAGE 1	1600.00	36.40%	991.02	500.40	-490.62	1800.78	799.76	-1001.02	3111.80	1528.59	-1583.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4912.58	2328.35	-2584.23
45	Total Others	3056.00		1274.17	725.46	-548.71	2103.50	1098.10	-1005.40	3756.35	2056.19	-1700.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5859.85	3154.30	-2705.55
46	Total Dispatch			8269.22	6013.57	-2255.65	6710.45	5710.51	-999.94	23192.62	19494.34	-3698.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29903.07	25204.85	-4698.22
47	JNNSM PH-II THERMAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.85	15.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.85	15.85
48	UI CHARGES			0.00	15.67	15.67	0.00	0.00	0.00	0.00	100.34	100.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.34	100.34
49	NCE SOLAR-AYANA	250.00	100.00%	0.00	129.88	129.88	0.00	0.00	0.00	0.00	363.68	363.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	363.68	363.68
50	NCE SOLAR-SPRING	250.00	100.00%	0.00	131.11	131.11	0.00	0.00	0.00	0.00	365.80	365.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	365.80	365.80
51	NCE SOLAR-SBG	250.00	100.00%	0.00	133.25	133.25	0.00	0.00	0.00	0.00	373.10	373.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	373.10	373.10
52	NTPC NPKunta Ultra Mega Solar PVP	250.00	100.00%	0.00	80.23	80.23	0.00	0.00	0.00	0.00	478.52	478.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	478.52	478.52
53	Short Term Purchases			0.00	1079.91	1079.91	0.00	0.00	0.00	0.00	6977.79	6977.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6977.79	6977.79
54	Sale to EPDCL			900.58	1321.68	421.10	0.00	0.00	0.00	2629.69	5830.11	3200.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2629.69	5830.11	3200.42
55	Sale to CPDCL			580.32	708.80	128.48	0.00	0.00	0.00	1700.34	3162.06	1461.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1700.34	3162.06	1461.72
56	Net Dispatch			6788.32	5553.14	-1235.18	6710.45	5710.51	-999.94	18862.59	19177.23	314.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25573.04	24887.75	-685.29
57	TRANSMISSION COST						2481.80	2306.39	-175.41													2481.80	2306.39	-175.41	
58	SLDC COST						108.35	93.51	-14.84														108.35	93.51	-14.84
59	PGCIL						1498.95	749.48	-749.47														1498.95	749.48	-749.47
60	ULDC COST						15.00	2.99	-12.01														15.00	2.99	-12.01
61	TOTAL TRANSMISSION & ULDC CHARGES			0.00	0.00	0.00	4104.10	3152.37	-951.73	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	4104.10	3152.37	-951.73
62	Past claims/refunds, if any, pertaining to the quarters(s) prior to the quarter for which FPPCA is being filed																								
63	TOTAL POWER PURCHASE			6788.32	5553.14	-1235.18	10814.55	8862.88	-1951.67	18862.59	19177.23	314.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29677.14	28040.12	-1637.02

ANNEXURE-IX

APEPDCL FPPCA Filings for 3rd Quarter of FY 2021-2022

S.No.	Generating station/ Stage/Source	Plant capacity (MW)	Discom's share (%)	Energy (MU)			Cost Components (Rs.Millions)								
							Fixed (A)			Variable (B)			Total F=(A+B+C+D+E)		
				TO (a)	Actual (b)	Variance (c)= (b-a)	TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (s)	Actual (t)	Variance (u)= (t-s)
1	Dr.NTTPS-I	420.00	36.22%	214.02	215.99	1.97	210.15	210.15	0.00	714.83	721.41	6.58	924.98	931.56	6.58
2	Dr.NTTPS-II	420.00	36.22%	234.86	215.99	-18.87	210.15	210.15	0.00	784.43	721.41	-63.02	994.58	931.56	-63.02
3	Dr.NTTPS-III	420.00	36.22%	234.86	215.99	-18.87	210.15	210.15	0.00	784.43	721.41	-63.02	994.58	931.56	-63.02
4	Dr.NTTPS-IV	500.00	36.22%	308.59	221.06	-87.53	257.80	257.80	0.00	972.06	696.32	-275.74	1229.86	954.12	-275.74
5	RTPP Stage-I	420.00	36.22%	255.70	130.06	-125.64	239.20	239.21	0.01	987.00	502.04	-484.97	1226.20	741.24	-484.96
6	RTPP Stage-II	420.00	36.22%	214.02	158.91	-55.11	233.80	233.80	0.00	826.12	613.39	-212.73	1059.92	847.19	-212.73
7	RTPP Stage-III	210.00	36.22%	107.01	88.17	-18.84	153.20	153.19	-0.01	413.06	340.33	-72.72	566.26	493.53	-72.73
8	RTPP Stage-IV	600.00	36.22%	277.02	194.84	-82.18	695.43	695.41	-0.01	1013.89	713.10	-300.79	1709.32	1408.52	-300.80
9	TOTAL (Thermal)	3410.00		1846.08	1441.00	-405.08	2209.88	2209.86	-0.01	6495.82	5029.41	-1466.41	8705.70	7239.27	-1466.42
10	Srisailem -RBPH	770.00	36.22%	80.73	252.26	171.53	202.25	202.25	0.00	0.00	0.00	0.00	202.25	202.25	0.00
11	NSRCPH	90.00	36.22%	20.77	42.85	22.08	23.20	23.20	0.00	0.00	0.00	0.00	23.20	23.20	0.00
12	NSTPDC PH	50.00	36.22%	16.14	17.90	1.76	45.98	45.96	-0.01	0.00	0.00	0.00	45.98	45.96	-0.01
13	Sileru Complex	725.00	36.22%	136.99	121.11	-15.88	215.20	215.19	-0.01	0.00	0.00	0.00	215.20	215.19	-0.01
14	Pennaahobilam	20.00	36.22%	0.98	1.35	0.37	12.03	12.03	0.00	0.00	0.00	0.00	12.03	12.03	0.00
15	Mini Hydel (Chettipeta)	1.00	36.22%	0.15	0.19	0.04	1.60	1.59	-0.01	0.00	0.00	0.00	1.60	1.59	-0.01
16	GENCO-HYDEL	1656.00		255.76	435.66	179.90	500.25	500.23	-0.02	0.00	0.00	0.00	500.25	500.23	-0.02
17	Inter-state hydel(AP SHARE)	141.60	36.22%	42.21	56.37	14.16	55.98	55.99	0.01	0.00	0.00	0.00	55.98	55.99	0.01
18	APGENCO-TOTAL	5207.60		2144.05	1933.03	-211.02	2766.11	2766.08	-0.03	6495.82	5029.41	-1466.41	9261.93	7795.49	-1466.44
19	NTPC (SR) Ramagundam I & II	2100.00	4.96%	177.06	177.25	0.19	122.48	137.18	14.71	432.03	548.47	116.44	554.50	685.65	131.15
20	NTPC (SR) Simhadri Stage 1	1000.00	16.70%	311.26	236.50	-74.76	350.78	270.84	-79.93	980.47	717.27	-263.20	1331.24	988.11	-343.13
21	NTPC (SR) Simhadri Stage 2	1000.00	7.60%	148.36	141.17	-7.19	194.23	340.78	146.55	458.43	299.47	-158.96	652.66	640.25	-12.40
22	NTPC (SR) Talcher St. II	2000.00	3.26%	112.38	120.48	8.10	83.55	89.83	6.28	222.51	215.09	-7.42	306.06	304.92	-1.14
23	NTPC (SR) Ramagundam Stage-III	500.00	5.24%	49.17	55.64	6.47	31.08	59.01	27.93	118.01	168.39	50.39	149.08	227.40	78.32
24	NTPC Kudgi Stage 1	2400.00	3.69%	154.17	78.04	-76.13	206.05	204.05	-2.00	538.05	304.49	-233.56	744.10	508.54	-235.56
25	NTPC DADRI			0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.73	-0.73	0.00	-0.73	-0.73
26	NTECL Valluru	1500.00	2.08%	60.15	48.56	-11.59	84.00	110.99	26.99	205.71	175.12	-30.60	289.71	286.10	-3.61
27	NLC Stage-I	630.00	2.69%	31.20	27.74	-3.46	38.55	20.51	-18.04	89.86	75.25	-14.61	128.41	95.76	-32.64
28	NLC Stage-II	840.00	3.69%	55.98	39.43	-16.55	39.85	30.48	-9.37	155.06	107.21	-47.85	194.91	137.69	-57.23
29	NPC (MAPS)	440.00	1.49%	4.62	4.39	-0.23	0.00	0.00	0.00	12.06	10.58	-1.48	12.06	10.58	-1.48
30	NPC (Kaiga Unit-I,II)	880.00	4.70%	73.86	83.20	9.34	0.00	0.00	0.00	257.10	257.18	0.08	257.10	257.18	0.08
31	NPC (Kaiga Unit-III & IV)			73.86	83.20	9.34	0.00	0.00	0.00	257.10	257.18	0.08	257.10	257.18	0.08
32	NTPL (NLC Tamilnadu Power Ltd Stage-1) (TUTICORIN)	1000.00	4.39%	78.69	33.74	-44.95	127.65	59.50	-68.15	228.20	120.48	-107.72	355.85	179.97	-175.88

33	NLC NNTPS	1000.00	1.91%	17.58	23.46	5.88	39.93	41.85	1.93	41.14	51.34	10.20	81.06	93.19	12.13
34	CGS TOTAL	15290.00		1274.48	1069.61	-204.87	1318.13	1365.02	46.90	3738.63	3049.61	-689.02	5056.76	4414.63	-642.13
35	JNNM PH-1 THERMAL	**		24.64	15.31	-9.33	42.05	0.00	-42.05	88.21	74.31	-13.90	130.26	74.31	-55.95
36	NCE-WIND TOTAL	3766.60	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	NCE -OTHERS	309.66	30.00%	40.94	12.26	-28.68	0.00	0.83	0.83	210.43	52.70	-157.73	210.43	53.53	-156.90
38	NCE-SOLAR Total	1466.43	1.00%	11.07	2.62	-8.45	0.00	0.00	0.00	27.01	18.23	-8.79	27.01	18.23	-8.79
39	JNNM PH-1 SOLAR	39.00	0.00%	5.91	0.00	-5.91	0.00	0.00	0.00	62.06	0.00	-62.06	62.06	0.00	-62.06
40	JNNM PH-2 SOLAR	1250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	Total NCE	6831.69		57.92	14.89	-43.03	0.00	0.83	0.83	299.50	70.92	-228.58	299.50	71.75	-227.74
42	Godavari Gas	216.00	36.22%	104.70	48.21	-56.49	18.10	15.76	-2.34	230.34	135.14	-95.20	248.44	150.90	-97.54
43	Thermal Powertech Corporation India	1240.00	6.73%	148.92	153.37	4.45	253.03	251.45	-1.58	346.98	337.41	-9.58	600.01	588.86	-11.15
44	SDSTPS (APPDCL)-STAGE 1	1600.00	32.60%	887.62	448.18	-439.44	1612.88	716.30	-896.57	2787.13	1369.08	-1418.05	4400.00	2085.38	-2314.62
45	Total Others	3056.00		1141.24	649.75	-491.49	1884.00	983.51	-900.49	3364.45	1841.63	-1522.82	5248.45	2825.14	-2423.31
46	Total Dispatch			4642.33	3682.59	-959.74	6010.28	5115.44	-894.84	13986.61	10065.88	-3920.74	19996.89	15181.32	-4815.57
47	JNNM PH-II THERMAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.20	14.20	0.00	14.20	14.20
48	UI CHARGES			0.00	14.03	14.03	0.00	0.00	0.00	0.00	89.87	89.87	0.00	89.87	89.87
49	NCE SOLAR-AYANA	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	NCE SOLAR-SPRING	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	NCE SOLAR-SBG	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	NTPC NPKunta Ultra Mega Solar PVP	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	Short Term Purchases			400.71	967.22	566.51	0.00	0.00	0.00	1482.63	6249.64	4767.01	1482.63	6249.64	4767.01
54	Purchase from SPDCL			900.58	1321.68	421.10	0.00	0.00	0.00	2629.69	5830.11	3200.42	2629.69	5830.11	3200.42
55	Net Dispatch			5943.62	5985.52	41.90	6010.28	5115.44	-894.84	18098.93	22249.70	4150.76	24109.21	27365.14	3255.92
56	TRANSMISSION COST						2040.40	1896.21	-144.19				2040.40	1896.21	-144.19
57	SLDC COST						31.58	27.24	-4.34				31.58	27.24	-4.34
58	PGCIL						1342.53	671.27	-671.26				1342.53	671.27	-671.26
59	ULDC COST						13.43	2.68	-10.75				13.43	2.68	-10.75
60	TOTAL TRANSMISSION & ULDC CHARGES			0.00	0.00	0.00	3427.93	2597.40	-830.53	0.00	0.00	0.00	3427.93	2597.40	-830.53
61	Past claims/refunds, if any, pertaining to the quarter(s) prior to the quarter for which EPPCA is														
62	TOTAL POWER PURCHASE			5943.62	5985.52	41.90	9438.21	7712.84	-1725.37	18098.93	22249.70	4150.76	27537.14	29962.53	2425.40

Annexure-X

APCPDCL FPPCA Filings for 3rd Quarter of FY 2021-2022																								
S.No.	Generating station/ Stage/Source	Plant capacity (MW)	Discom's share (%)	Energy (MU)			Cost Components (Rs.Millions)																	
							Fixed (A)			Variable (B)			Incentive (C)			Income Tax (D)			Others (E)			Total F=(A+B+C+D+E)		
				TO (a)	Actual (b)	Variance (c)= (b-a)	TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (j)	Actual (k)	Variance (l)= (k-j)	TO (m)	Actual (n)	Variance (o)= (n-m)	TO (p)	Actual (q)	Variance (r)= (q-p)	TO (s)	Actual (t)	Variance (u)= (t-s)
1	Dr.NTTPS-I	420.00	23.34%	137.92	139.18	1.26	135.42	135.42	0.00	460.65	464.87	4.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	596.07	600.29	4.22
2	Dr.NTTPS-II	420.00	23.34%	151.35	139.18	-12.17	135.42	135.42	0.00	505.51	464.87	-40.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	640.93	600.29	-40.64
3	Dr.NTTPS-III	420.00	23.34%	151.35	139.18	-12.17	135.42	135.42	0.00	505.51	464.87	-40.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	640.93	600.29	-40.64
4	Dr.NTTPS-IV	500.00	23.34%	198.84	142.45	-56.39	166.13	166.12	0.00	626.35	448.71	-177.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	792.47	614.83	-177.64
5	RTPP Stage-I	420.00	23.34%	164.78	83.81	-80.97	154.15	154.14	-0.01	636.05	323.51	-312.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	790.20	477.65	-312.55
6	RTPP Stage-II	420.00	23.34%	137.91	102.40	-35.51	150.65	150.66	0.01	532.33	395.27	-137.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	682.98	545.92	-137.06
7	RTPP Stage-III	210.00	23.34%	68.96	56.82	-12.14	98.73	98.72	-0.01	266.19	219.31	-46.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	364.91	318.03	-46.88
8	RTPP Stage-IV	600.00	23.34%	178.52	125.55	-52.97	448.13	448.12	0.00	653.38	459.52	-193.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1101.51	907.64	-193.87
9	TOTAL (Thermal)	3410.00		1189.63	928.58	-261.05	1424.04	1424.03	-0.01	4185.97	3240.93	-945.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5610.00	4664.95	-945.05
10	Srisaillam -RBPH	770.00	23.34%	52.02	162.55	110.53	130.33	130.33	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130.33	130.33	0.01
11	NSRCPH	90.00	23.34%	13.38	27.61	14.23	14.95	14.95	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	14.95	14.95	0.00
12	NSTPDC PH	50.00	23.34%	10.40	11.54	1.14	29.63	29.62	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.63	29.62	-0.01
13	Sileru Complex	725.00	23.34%	88.27	78.04	-10.23	138.68	138.67	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138.68	138.67	-0.01
14	Pennaahobilam	20.00	23.34%	0.63	0.87	0.24	7.75	7.75	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	7.75	7.75	0.00
15	Mini Hydel (Chettipeta)	1.00	23.34%	0.10	0.12	0.02	1.03	1.03	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	1.03	1.03	0.00
16	GENCO-HYDEL	1656.00		164.80	280.74	115.94	322.35	322.34	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	322.35	322.34	-0.01
17	Inter-state hydel(AP SHARE)	141.60	23.34%	27.20	36.32	9.12	36.08	36.08	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	36.08	36.08	0.00
18	APGENCO-TOTAL	5207.60		1381.63	1245.64	-135.99	1782.46	1782.45	-0.01	4185.97	3240.93	-945.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5968.43	5023.38	-945.05
19	NTPC (SR) Ramagundam I & II	2100.00	3.20%	114.09	114.22	0.13	78.93	88.40	9.47	278.38	353.43	75.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	357.30	441.83	84.53
20	NTPC (SR) Simhadri Stage 1	1000.00	10.76%	200.56	152.40	-48.16	226.03	174.53	-51.49	631.76	462.21	-169.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	857.79	636.74	-221.05
21	NTPC (SR) Simhadri Stage 2	1000.00	4.90%	95.62	90.97	-4.65	125.15	219.60	94.45	295.47	192.98	-102.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	420.62	412.58	-8.04
22	NTPC (SR) Talcher St. II	2000.00	2.10%	72.42	77.63	5.21	53.83	57.89	4.06	143.39	138.60	-4.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.22	196.49	-0.73
23	NTPC (SR) Ramagundam Stage-III	500.00	3.37%	31.68	35.86	4.18	20.03	38.02	18.00	76.03	108.51	32.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.06	146.54	50.48
24	NTPC Kudgi Stage 1	2400.00	2.38%	99.36	50.29	-49.07	132.78	131.49	-1.29	346.77	196.21	-150.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	479.54	327.70	-151.84
25	NTPC DADRI			0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.47	-0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.47	-0.47
26	NTECL Valluru	1500.00	1.34%	38.75	31.29	-7.46	54.13	71.52	17.39	132.53	112.85	-19.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	186.65	184.36	-2.29
27	NLC Stage-I	630.00	1.73%	20.10	17.88	-2.22	24.85	13.22	-11.63	57.89	48.49	-9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.74	61.71	-21.03
28	NLC Stage-II	840.00	2.38%	36.06	25.41	-10.65	25.68	19.64	-6.04	99.89	69.09	-30.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.56	88.73	-36.83
29	NPC (MAPS)	440.00	0.96%	2.97	2.83	-0.14	0.00	0.00	0.00	7.75	6.82	-0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.75	6.82	-0.93
30	NPC (Kaiga Unit-I,II)	880.00	3.03%	47.61	53.61	6.00	0.00	0.00	0.00	165.60	165.73	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.60	165.73	0.13

31	NPC (Kaiga Unit-III & IV)	000.00	3.03%	47.01	55.01	0.00	0.00	0.00	0.00	105.00	105.73	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105.00	105.73	0.13
32	NTPL (NLC Tamilnadu Power Ltd Stage-1)(TUTICORIN)	1000.00	2.83%	50.70	21.74	-28.96	82.25	38.34	-43.91	147.03	77.63	-69.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	229.28	115.97	-113.31
33	NLC NNTPS	1000.00	1.23%	11.34	15.12	3.78	25.73	26.97	1.25	26.54	33.08	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.26	60.05	7.79
34	CGS TOTAL	15290.00		821.26	689.25	-132.01	849.35	879.61	30.26	2409.02	1965.15	-443.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3258.37	2844.77	-413.60
35	JNSM PH-1 THERMAL	**		15.88	9.87	-6.01	27.09	0.00	-27.09	56.85	47.88	-8.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.94	47.88	-36.06
36	NCE-WIND TOTAL	3766.60	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	NCE -OTHERS	309.66	29.78%	39.96	13.30	-26.66	0.00	0.00	0.00	205.39	74.38	-131.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	205.39	74.38	-131.01
38	NCE-SOLAR Total	1466.43	1.91%	22.15	8.08	-14.07	0.00	0.00	0.00	54.05	57.31	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.05	57.31	3.26
39	JNSM PH-1 SOLAR	39.00	0.00%	3.81	0.00	-3.81	0.00	0.00	0.00	40.01	0.00	-40.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.01	0.00	-40.01
40	JNSM PH-2 SOLAR	1250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	Total NCE	6831.69		65.92	21.38	-44.54	0.00	0.00	0.00	299.45	131.69	-167.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	299.45	131.69	-167.76
42	Godavari Gas	216.00	23.34%	67.47	31.06	-36.41	11.68	10.16	-1.52	148.43	87.08	-61.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160.11	97.24	-62.87
43	Thermal Powertech Corporation India	1240.00	4.34%	95.97	98.83	2.86	163.05	162.03	-1.02	223.61	217.42	-6.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	386.66	379.46	-7.20
44	SDSTPS (APPDCL)-STAGE 1	1600.00	21.01%	571.98	288.81	-283.17	1039.33	461.58	-577.74	1796.02	882.23	-913.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2835.34	1343.81	-1491.53
45	Total Others	3056.00		735.42	418.70	-316.72	1214.05	633.77	-580.28	2168.06	1186.73	-981.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3382.11	1820.51	-1561.60
46	Total Dispatch			3020.11	2384.83	-635.28	3872.95	3295.83	-577.12	9119.34	6572.39	-2546.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12992.29	9868.22	-3124.07
47	JNSM PH-II THERMAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.15	9.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.15	9.15
48	UI CHARGES			0.00	9.04	9.04	0.00	0.00	0.00	0.00	57.91	57.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.91	57.91
49	NCE SOLAR-AYANA	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	NCE SOLAR-SPRING	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	NCE SOLAR-SBG	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	NTPC NPKunta Ultra Mega Solar PVP	250.00	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	Short Term Purchases			512.22	623.27	111.05	0.00	0.00	0.00	1895.21	4027.24	2132.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1895.21	4027.24	2132.02
54	Purchase from SPDCL			580.32	708.80	128.48	0.00	0.00	0.00	1700.34	3162.06	1461.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1700.34	3162.06	1461.72
55	Net Dispatch			4112.65	3725.95	-386.70	3872.95	3295.83	-577.12	12714.89	13828.75	1113.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16587.84	17124.58	536.74
56	TRANSMISSION COST						1432.13	1330.93	-101.20														1432.13	1330.93	-101.20	
57	SLDC COST						20.50	17.69	-2.81														20.50	17.69	-2.81	
58	PGCIL						865.13	432.56	-432.56														865.13	432.56	-432.56	
59	ULDC COST						8.65	1.72	-6.93														8.65	1.72	-6.93	
60	TOTAL TRANSMISSION & ULDC CHARGES			0.00	0.00	0.00	2326.40	1782.90	-543.50	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	0.00	2326.40	1782.90	-543.50
61	Past claims/refunds, if any, pertaining tp the quarters(s) prior to the quarter for which FPPCA is being filed																									
62	TOTAL POWER PURCHASE			4112.65	3725.95	-386.70	6199.35	5078.73	-1120.62	12714.89	13828.75	1113.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18914.24	18907.48	-6.77

APSPDCL FPPCA Filings for 4th Quarter of FY 2021-2022

S.No.	Generating station/ Stage/Source	Plant capacity (MW)	Discom's share (%)	Energy (MU)			Cost Components (Rs. in Crs.)													Total					
				TO (a)	Actual (b)	Variance (c)= (b-a)	Fixed (A)		Variable (B)		Incentive (C)		Income Tax (D)		Others (E)		TO (s)	Actual (t)	Variance (u)= (t-s)						
							TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (j)	Actual (k)	Variance (l)= (k-j)	TO (m)				Actual (n)	Variance (o)= (n-m)	TO (p)	Actual (q)	Variance (r)= (q-p)	
1	Dr.NTTPS-I	420	40.44%	279.30	269.53	-9.77	23.46	22.56	-0.90	93.29	89.67	-3.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.75	112.23	-4.51
2	Dr.NTTPS-II	420	40.44%	279.30	269.53	-9.77	23.46	22.56	-0.90	93.29	89.67	-3.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.75	112.23	-4.51
3	Dr.NTTPS-III	420	40.44%	279.30	269.53	-9.77	23.46	22.56	-0.90	93.29	89.67	-3.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.75	112.23	-4.51
4	Dr.NTTPS-IV	500	40.44%	280.87	301.28	20.41	28.78	25.37	-3.41	88.47	94.73	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.26	120.10	2.84
5	RTPP Stage-I	420	40.44%	279.30	218.08	-61.22	26.71	-2.64	-29.35	107.81	84.12	-23.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	134.52	81.47	-53.05
6	RTPP Stage-II	420	40.44%	279.30	135.45	-143.85	26.11	12.33	-13.77	107.81	52.25	-55.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	133.91	64.58	-69.33
7	RTPP Stage-III	210	40.44%	139.65	128.66	-10.99	17.11	9.51	-7.60	53.90	49.62	-4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.01	59.13	-11.88
8	RTPP Stage-IV	600	40.44%	448.98	323.24	-125.74	77.65	14.43	-63.21	164.33	118.23	-46.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	241.97	132.66	-109.31
9	TOTAL (Thermal)	3410		2266.00	1915.31	-350.69	246.73	126.69	-120.04	802.18	667.96	-134.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1048.91	794.64	-254.27
10	Srisailem -RBPH	770	40.44%	74.58	78.52	3.94	22.58	22.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.58	22.58	0.00	
11	NSRCPH	90	40.44%	7.45	36.50	29.05	2.59	2.59	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	2.59	2.59	0.00	
12	NSTPDC PH	50	40.44%	6.80	3.85	-2.95	5.13	5.13	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	5.13	5.13	0.00	
13	Sileru Complex	725	40.44%	215.44	110.54	-104.90	24.03	24.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.03	24.03	0.00	
14	Pennaahobilam	20	40.44%	0.37	-0.04	-0.41	1.34	1.34	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	1.34	1.34	0.00	
15	Mini Hydrel (Chettipeta)	1	40.44%	0.42	0.39	-0.03	0.18	0.18	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	0.18	0.18	0.00	
16	GENCO-HYDEL	1656		305.06	229.78	-75.28	55.85	55.85	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	0.00	55.85	55.85	0.00
17	Inter-state hydrel(AP SHARE)	141.6	40.44%	42.65	61.87	19.22	6.25	6.25	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	6.25	6.25	0.00	
18	APGENCO-TOTAL	5207.6		2613.71	2206.95	-406.76	308.83	188.79	-120.04	802.18	667.96	-134.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1111.01	856.74	-254.27
19	NTPC (SR) Ramagundam I & II	2100	5.54%	197.67	203.49	5.82	13.68	14.99	1.31	48.23	60.13	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.91	75.12	13.22
20	NTPC (SR) Simhadri Stage 1	1000	18.65%	339.97	366.84	26.87	39.17	32.89	-6.28	107.09	107.97	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	146.26	140.86	-5.40
21	NTPC (SR) Simhadri Stage 2	1000	8.48%	162.06	160.14	-1.92	21.69	23.05	1.36	50.08	48.58	-1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.76	71.63	-0.13
22	NTPC (SR) Talcher St. II	2000	3.64%	125.49	136.97	11.48	9.33	9.90	0.57	24.85	23.69	-1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.17	33.58	-0.59
23	NTPC (SR) Ramagundam Stage-III	500	5.85%	54.90	56.83	1.93	3.47	5.56	2.09	13.18	16.50	3.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.65	22.06	5.41
24	NTPC Kudgi Stage 1	2400	4.12%	172.14	169.33	-2.81	23.01	31.03	8.03	60.08	71.82	11.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.08	102.85	19.77
25	NTPC DADRI			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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	NTECL Valluru	1500	2.32%	71.82	71.26	-0.56	9.38	12.77	3.39	24.56	25.79	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.94	38.56	4.62
27	NLC Stage-I	630	3.00%	34.83	37.79	2.96	4.31	2.94	-1.36	10.03	10.07	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.34	13.01	-1.33
28	NLC Stage-II	840	4.12%	62.49	52.07	-10.42	4.45	3.91	-0.54	17.31	13.70	-3.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.76	17.60	-4.16
29	NPC (MAPS)	440	1.67%	5.16	5.17	0.01	0.00	0.00	0.00	1.35	1.42	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	1.42	0.08
30	NPC (Kaiga Unit-I,II)	880	5.24%	82.47	93.11	10.64	0.00	0.00	0.00	28.70	33.35	4.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.70	33.35	4.65
31	NPC (Kaiga Unit-III & IV)																								
32	NTPC (MLC Tamilnadu Power Ltd Stage-1)(TUTICORIN)	1000	4.91%	87.87	51.18	-36.69	14.25	8.92	-5.34	25.48	18.49	-6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.73	27.41	-12.33
33	NLC NNTPS	1000	2.13%	19.65	38.21	18.56	4.46	7.05	2.59	4.60	8.39	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.06	15.44	6.39
34	CGS TOTAL	15290		1416.52	1442.40	25.88	147.17	152.99	5.82	415.53	439.91	24.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	562.70	592.90	30.20
35	JNNSM PH-1 THERMAL	**		26.91	24.28	-2.63	4.70	0.00	-4.70	9.63	11.40	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.33	11.40	-2.93
36	NCE-WIND TOTAL	3766.6	100%	1359.72	896.36	-463.36	0.00	0.00	0.00	330.41	421.40	90.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	330.41	421.40	90.99
37	NCE -OTHERS	309.66	39.87%	78.13	45.58	-32.55	0.00	0.00	0.00	40.16	18.22	-21.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.16	18.22	-21.94
38	NCE-SOLAR Total	1466.43	97.24%	1348.83	679.85	-668.98	0.00	0.00	0.00	329.11	316.46	-12.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	329.11	316.46	-12.66
39	JNNSM PH-1 SOLAR	39	100%	6.60	16.47	9.87	0.00	0.00	0.00	6.93	17.75	10.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.93	17.75	10.82
40	JNNSM PH-2 SOLAR	1250	100%	707.55	826.12	118.57	0.00	0.00	0.00	172.64	369.61	196.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	172.64	369.61	196.96
41	Total NCE	6831.69		3500.83	2464.39	-1036.44	0.00	0.00	0.00	879.26	1143.43	264.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	879.26	1143.43	264.17
42	Godavari Gas	216	40.44%	114.27	53.61	-60.66	2.02	2.38	0.36	25.14	15.78	-9.36	0.00	0.											

ANNEXURE-XII

APEPDCL FPPCA Filings for 4th Quarter of FY 2021-2022

S.No.	Generating station/ Stage/Source	Plant capacity (MW)	Discom's share (%)	Energy (MU)			Cost Components (Rs.Millions)								
				TO (a)	Actual (b)	Variance (c)= (b-a)	Fixed (A)			Variable (B)			Total F=(A+B+C+D+E)		
							TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (s)	Actual (t)	Variance (u)= (t-s)
1	Dr.NTTPS-I	420	36.22%	250.14	241.40	-8.74	210.15	202.06	-8.09	835.47	803.14	-32.32	1045.62	1005.20	-40.41
2	Dr.NTTPS-II	420	36.22%	250.14	241.40	-8.74	210.15	202.06	-8.09	835.47	803.14	-32.32	1045.62	1005.20	-40.41
3	Dr.NTTPS-III	420	36.22%	250.14	241.40	-8.74	210.15	202.06	-8.09	835.47	803.14	-32.32	1045.62	1005.20	-40.41
4	Dr.NTTPS-IV	500	36.22%	251.57	269.84	18.27	257.80	227.25	-30.55	792.45	848.41	55.96	1050.25	1075.65	25.41
5	RTPP Stage-I	420	36.22%	250.14	195.32	-54.82	239.20	-23.68	-262.88	965.54	753.38	-212.16	1204.74	729.70	-475.04
6	RTPP Stage-II	420	36.22%	250.14	121.32	-128.82	233.80	110.47	-123.33	965.54	467.94	-497.61	1199.34	578.41	-620.93
7	RTPP Stage-III	210	36.22%	125.07	115.23	-9.84	153.20	85.18	-68.02	482.77	444.45	-38.32	635.97	529.63	-106.34
8	RTPP Stage-IV	600	36.22%	402.13	289.51	-112.62	695.43	129.27	-566.16	1471.80	1058.92	-412.88	2167.22	1188.18	-979.04
9	TOTAL (Thermal)	3410		2029.47	1715.44	-314.03	2209.88	1134.66	-1075.22	7184.50	5982.53	-1201.96	9394.37	7117.19	-2277.18
10	Srisailem -RBPH	770	36.22%	66.8	70.33	3.53	202.25	202.25	0.00	0.00	0.00	0.00	202.25	202.25	0.00
11	NSRCPH	90	36.22%	6.67	32.69	26.02	23.20	23.20	0.00	0.00	0.00	0.00	23.20	23.20	0.00
12	NSTPDC PH	50	36.22%	6.09	3.45	-2.64	45.98	45.96	-0.01	0.00	0.00	0.00	45.98	45.96	-0.01
13	Sileru Complex	725	36.22%	192.98	99.01	-93.97	215.20	215.19	-0.01	0.00	0.00	0.00	215.20	215.19	-0.01
14	Pennaahobilam	20	36.22%	0.34	-0.04	-0.38	12.03	12.03	0.00	0.00	0.00	0.00	12.03	12.03	0.00
15	Mini Hydel (Chettipeta)	1	36.22%	0.37	0.35	-0.02	1.60	1.59	-0.01	0.00	0.00	0.00	1.60	1.59	-0.01
16	GENCO-HYDEL	1656		273.25	205.80	-67.45	500.25	500.23	-0.02	0.00	0.00	0.00	500.25	500.23	-0.02
17	Inter-state hydel(AP SHARE)	141.6	36.22%	38.2	55.41	17.21	55.98	55.99	0.01	0.00	0.00	0.00	55.98	55.99	0.01
18	APGENCO-TOTAL	5207.6		2340.92	1976.65	-364.27	2766.11	1690.87	-1075.23	7184.50	5982.53	-1201.96	9950.60	7673.40	-2277.20
19	NTPC (SR) Ramagundam I & II	2100	4.96%	177.06	182.26	5.20	122.48	134.24	11.76	432.03	538.59	106.57	554.50	672.83	118.33
20	NTPC (SR) Simhadri Stage 1	1000	16.70%	304.49	328.56	24.07	350.78	294.56	-56.22	959.14	967.05	7.90	1309.92	1261.60	-48.31
21	NTPC (SR) Simhadri Stage 2	1000	7.60%	145.14	143.43	-1.71	194.23	205.17	10.95	448.48	434.24	-14.25	642.71	639.41	-3.30
22	NTPC (SR) Talcher St. II	2000	3.26%	112.38	122.68	10.30	83.55	88.65	5.10	222.51	212.14	-10.37	306.06	300.79	-5.27
23	NTPC (SR) Ramagundam Stage-III	500	5.24%	49.17	50.90	1.73	31.08	49.84	18.76	118.01	147.74	29.74	149.08	197.58	48.50
24	NTPC Kudgi Stage 1	2400	3.69%	154.17	151.66	-2.51	206.05	277.92	71.87	538.05	643.24	105.19	744.10	921.16	177.06
25	NTPC DADRI			0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	NTECL Valluru	1500	2.08%	64.33	63.82	-0.51	84.00	114.36	30.36	220.01	230.97	10.96	304.01	345.32	41.31
27	NLC Stage-I	630	2.69%	31.2	33.84	2.64	38.55	26.35	-12.20	89.86	90.17	0.32	128.41	116.52	-11.88
28	NLC Stage-II	840	3.69%	55.98	46.63	-9.35	39.85	34.98	-4.87	155.06	122.69	-32.38	194.91	157.67	-37.24
29	NPC (MAPS)	440	1.49%	4.62	4.63	0.01	0.00	0.00	0.00	12.06	12.71	0.65	12.06	12.71	0.65
30	NPC (Kaiga Unit-I,II)	880	4.70%	73.86	83.39	9.53	0.00	0.00	0.00	257.03	298.27	41.24	257.03	298.27	41.24
31	NPC (Kaiga Unit-III & IV)														
32	NTPL (NLC Tamilnadu Power Ltd Stage-1)(TUTICORIN)	1000	4.39%	78.69	45.84	-32.85	127.65	79.85	-47.80	228.20	165.61	-62.59	355.85	245.46	-110.39
33	NLC NTTPS	1000	1.91%	17.58	34.22	16.64	39.93	63.15	23.22	41.14	75.17	34.04	81.06	138.32	57.26
34	CGS TOTAL	15290		1268.67	1291.88	23.21	1318.13	1369.06	50.93	3721.58	3938.59	217.01	5039.71	5307.65	267.94
35	JNNSM PH-1 THERMAL	**		24.1	21.75	-2.35	42.05	0.00	-42.05	86.28	102.08	15.80	128.33	102.08	-26.25
36	NCE-WIND TOTAL	3766.6	0.00%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	NCE -OTHERS	309.66	30.00%	46.9	17.52	-29.38	0.00	15.14	15.14	241.07	75.20	-165.86	241.07	90.34	-150.73
38	NCE-SOLAR Total	1466.43	1.00%	13.91	6.92	-6.99	0.00	0.00	0.00	33.94	35.86	1.92	33.94	35.86	1.92
39	JNNSM PH-1 SOLAR	39	0.00%	5.91	0.00	-5.91	0.00	0.00	0.00	62.06	0.00	-62.06	62.06	0.00	-62.06

40	JNNSM PH-2 SOLAR	1250	0.00%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	Total NCE	6831.69		66.72	24.44	-42.28	0.00	15.14	15.14	337.06	111.06	-226.00	337.06	126.20	-210.86
42	Godavari Gas	216	36.22%	102.35	48.02	-54.33	18.10	21.36	3.26	225.17	141.29	-83.88	243.27	162.65	-80.62
43	Thermal Powertech Corporation India	1240	6.73%	148.92	166.25	17.33	253.03	250.10	-2.92	346.98	367.43	20.45	600.01	617.53	17.52
44	SDSTPS (APPDCL)-STAGE 1	1440	32.60%	1037.48	666.89	-370.59	1612.88	1078.34	-534.53	3257.69	2094.04	-1163.65	4870.56	3172.38	-1698.18
45	HNPCL	1040	36.22%	0	80.48	80.48	0.00	0.00	0.00	0.00	307.45	307.45	0.00	307.45	307.45
46	Total Others	3936		1288.75	961.64	-327.11	1884.00	1349.81	-534.19	3829.84	2910.20	-919.64	5713.84	4260.01	-1453.83
47	Total Dispatch			4989.16	4276.36	-712.80	6010.28	4424.87	-1585.41	15159.26	13044.46	-2114.80	21169.54	17469.33	-3700.21
48	JNNSM PH-II THERMAL			0	0.00	0.00	0.00	0.00	0.00	0.00	20.73	20.73	0.00	20.73	20.73
49	UI CHARGES			0	39.46	39.46	0.00	0.00	0.00	0.00	389.43	389.43	0.00	389.43	389.43
50	NCE SOLAR-AYANA	250	0.00%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	NCE SOLAR-SPRING	250	0.00%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	NCE SOLAR-SBG	250	0.00%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	NTPC NPKunta Ultra Mega Solar PVP	250	0.00%	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	Short Term Purchases			266.67	1008.61	741.94	0.00	0.00	0.00	986.68	6783.60	5796.92	986.68	6783.60	5796.92
55	Purchase from SPDCL			975.61	1473.76	498.15	0.00	0.00	0.00	2848.78	6713.83	3865.05	2848.78	6713.83	3865.05
56	Net Dispatch			6231.44	6798.19	566.75	6010.28	4424.87	-1585.41	18994.72	26952.05	7957.33	25005.00	31376.92	6371.92
57	TRANSMISSION COST						2040.40	1722.44	-317.96				2040.40	1722.44	-317.96
58	SLDC COST						31.58	27.28	-4.29				31.58	27.28	-4.29
59	PGCIL						1342.53	807.35	-535.17				1342.53	807.35	-535.17
60	ULDC COST						13.43	2.66	-10.76				13.43	2.66	-10.76
61	TOTAL TRANSMISSION & ULDC CHARGES			0	0	0	3427.93	2559.74	-868.19	0.00	0.00	0.00	3427.93	2559.74	-868.19
62	Past claims/refunds, if any, pertaining to the quarters(s) prior to the quarter for which FPPCA is being filed				-256.43			392.54			306.55		0	699.09	699.09
63	TOTAL POWER PURCHASE			6231.44	6541.76	566.75	9438.21	7377.15	-2453.59	18994.72	27258.60	7957.33	28432.93	34635.75	6202.83

ANNEXURE-XIII

APCPDCL FPPCA Filings for 4th Quarter of FY 2021-2022

Sl. No	Generating station/ Stage/Source	Plant Capacity (MW)	Discom share (%)	Energy MU			Cost Components (Rs.Millions)																		
				TO (a)	Actual (b)	Variance (c) = (b-a)	Fixed (A)			Variable (B)			Incentive (C)		Income Tax (D)			Others (E)			Total F=(A+B+C+D+E)				
							TO (d)	Actual (e)	Variance (f)= (e-d)	TO (g)	Actual (h)	Variance (i)= (h-g)	TO (j)	Actual (k)	Variance l= (k-j)	TO (m)	Actual (n)	Variance (o)=(n-m)	TO (p)	Actual (q)	Variance (r)= (q-p)	TO (s)	Actual (t)	Variance (u)= (t-s)	
1	Dr.NTTPS-I	420	23.34%	161.18	155.56	-5.62	135.42	130.21	-5.21	538.34	517.54	-20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	673.76	647.75	-26.01
2	Dr.NTTPS-II	420	23.34%	161.18	155.56	-5.62	135.42	130.21	-5.21	538.34	517.54	-20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	673.76	647.75	-26.01
3	Dr.NTTPS-III	420	23.34%	161.18	155.56	-5.62	135.42	130.21	-5.21	538.34	517.54	-20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	673.76	647.75	-26.01
4	Dr.NTTPS-IV	500	23.34%	162.10	173.89	11.79	166.13	146.44	-19.69	510.62	546.71	36.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	676.74	693.14	16.40
5	RTPP Stage-I	420	23.34%	161.18	125.86	-35.32	154.15	-15.26	-169.41	622.15	485.48	-136.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	776.30	470.22	-306.09
6	RTPP Stage-II	420	23.34%	161.18	78.18	-83.00	150.65	71.19	-79.46	622.15	301.54	-320.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	772.80	372.72	-400.08
7	RTPP Stage-III	210	23.34%	80.59	74.25	-6.34	98.73	54.89	-43.84	311.08	286.41	-24.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	409.80	341.29	-68.51
8	RTPP Stage-IV	600	23.34%	259.14	186.56	-72.58	448.13	83.30	-364.83	948.45	682.36	-266.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1396.58	765.66	-630.92
	TOTAL (Thermal)	3410		1307.73	1105.42	-202.31	1424.04	731.17	-692.87	4629.48	3855.12	-774.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6053.51	4586.29	-1467.22	
9	Srisailem -RBPH	770	23.34%	43.05	45.32	2.27	130.33	130.33	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130.33	130.33	0.01	
10	NSRCPH	90	23.34%	4.31	21.07	16.76	14.95	14.95	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	14.95	14.95	0.00	
11	NSTPDC PH	50	23.34%	3.92	2.22	-1.70	29.63	29.62	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.63	29.62	-0.01	
12	Sileru Complex	725	23.34%	124.34	63.80	-60.54	138.68	138.67	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138.68	138.67	-0.01	
13	Pennaahobilam	20	23.34%	0.22	-0.02	-0.24	7.75	7.75	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	7.75	7.75	0.00	
14	Mini Hydel (Chettipeta)	1	23.34%	0.25	0.23	-0.02	1.03	1.03	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	1.03	1.03	0.00	
	GENCO-HYDEL	1656		176.09	132.62	-43.47	322.35	322.34	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	322.35	322.34	-0.01	
15	Inter-state hydel (AP Share) (Machkund+TBdam)	141.6	23.34%	24.62	35.71	11.09	36.08	36.08	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	36.08	36.08	0.00	
	APGENCO-TOTAL	5207.60		1508.44	1273.74	-234.70	1782.46	1089.59	-692.87	4629.48	3855.12	-774.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6411.94	4944.71	-1467.22	
16	NTPC (SR) Ramagundam I & II	2100	3.20%	114.09	117.45	3.36	78.93	86.50	7.58	278.38	347.07	68.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	357.30	433.57	76.26	
17	NTPC (SR) Simhadri Stage 1	1000	10.76%	196.20	211.72	15.52	226.03	189.81	-36.21	618.03	623.16	5.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	844.06	812.97	-31.08	
18	NTPC (SR) Simhadri Stage 2	1000	4.90%	93.54	92.43	-1.11	125.15	133.18	8.03	289.04	280.52	-8.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	414.19	413.70	-0.49	
19	NTPC (SR) Talcher St. II	2000	2.10%	72.42	79.05	6.63	53.83	57.12	3.30	143.39	136.71	-6.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.22	193.83	-3.39	
20	NTPC (SR) Ramagundam Stage-III	500	3.37%	31.68	32.80	1.12	20.03	32.12	12.09	76.03	95.21	19.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.06	127.32	31.27	
21	NTPC Kudgi Stage 1	2400	2.38%	99.36	97.73	-1.63	132.78	179.09	46.32	346.77	414.50	67.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	479.54	593.59	114.05	
22	NTPC DADRI & MOUDHA			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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
23	NTECL Valluru	1500	1.34%	41.45	41.13	-0.32	54.13	73.69	19.57	141.76	148.87	7.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195.88	222.56	26.67	
24	NLC Stage-I	630	1.73%	20.10	21.81	1.71	24.85	16.98	-7.87	57.89	58.11	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.74	75.09	-7.65	
25	NLC Stage-II	840	2.38%	36.06	30.05	-6.01	25.68	22.54	-3.13	99.89	79.06	-20.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.56	101.60	-23.96	
26	NPC (MAPS)	440	0.96%	2.97	2.98	0.01	0.00	0.00	0.00	7.75	8.22	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.75	8.22	0.47	
27	NPC (Kaiga Unit-I,II)	880	#REF!	47.61	53.74	6.13	0.00	0.00	0.00	165.68	192.56	26.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.68	192.56	26.88	
28	NPC (Kaiga Unit-III & IV)																								
29	NTPL (NLC Tamilnadu Power Ltd Stage-1) (TUTICORIN)	1000	2.83%	50.70	29.54	-21.16	82.25	51.46	-30.79	147.03	106.72	-40.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	229.28	158.18	-71.10	
30	NLC NNTPS	1000	1.23%	11.34	22.05	10.71	25.73	40.69	14.97	26.54	48.44	21.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.26	89.13	36.87	
	CGS TOTAL	15290		817.52	832.48	14.96	849.35	883.18	33.83	2398.17	2539.14	140.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3247.52	3422.32	174.80	
31	JNNSM PH-1 THERMAL	#REF!		15.53	14.02	-1.51	27.09	0.00	-27.09	55.60	65.78	10.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.69	65.78	-16.91	
32	NCE-WIND TOTAL	3766.60	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
33	NCE -OTHERS	309.66	29.78%	45.77	40.47	-5.30	0.00	0.00	0.00	235.26	237.35	2.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	235.26	237.35	2.09	
34	NCE-SOLAR Total	1466.43	1.91%	27.81	10.59	-17.22	0.00	0.00	0.00	67.86	74.48	6.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.86	74.48	6.62	
35	JNNSM PH-1 SOLAR	39	0.00%	3.81	0.00	-3.81	0.00	0.00	0.00	40.01	0.00	-40.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.01	0.00	-40.01	
36	JNNSM PH-2 SOLAR	1250	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total NCE	6831.69		77.39	51.06	-26.33	0.00	0.00	0.00	343.12	311.83	-31.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	343.12	311.83	-31.29	

37	Godavari Gas	216	23.34%	65.95	30.94	-35.01	11.68	13.77	2.09	145.09	91.05	-54.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	156.77	104.81	-51.95
38	Thermal Powertech Corporation India	1240	4.34%	95.97	107.13	11.16	163.05	161.17	-1.88	223.61	236.77	13.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	386.66	397.94	11.28
39	SDSTPS (APPDCL)	1440	21.01%	668.56	429.74	-238.82	1039.33	694.88	-344.44	2099.28	1349.39	-749.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3138.60	2044.27	-1094.34
40	HNPCL	1040	23.34%	0.00	51.86	51.86	0.00	0.00	0.00	0.00	198.12	198.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	198.12	198.12
	Total Others	3936		830.48	619.68	-210.80	1214.05	869.81	-344.24	2467.98	1875.32	-592.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3682.03	2745.13	-936.89
	Total Dispatch			3249.36	2790.98	-458.38	3872.95	2842.58	-1030.37	9894.34	8647.19	-1247.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13767.29	11489.77	-2277.52
41	JNNM PH-II THERMAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.38	14.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.38	14.38
42	UI			0.00	25.43	25.43	0.00	0.00	0.00	0.00	250.94	250.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	250.94	250.94
43	Short Term Purchases			137.23	649.95	512.72	0.00	0.00	0.00	507.75	4372.08	3864.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	507.75	4372.08	3864.33
44	Purchase from SPDCL			628.67	467.19	-161.48	0.00	0.00	0.00	1842.00	2127.36	285.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1842.00	2127.36	285.35
	Net Dispatch			4015.26	3933.54	-81.72	3872.95	2842.58	-1030.37	12244.10	15411.95	3167.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16117.05	18254.53	2137.48
45	TRANSMISSION COST			0.00	0.00	0.00	1432.13	1208.94	-223.19	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	1432.13	1208.94	-223.19
46	SLDC COST			0.00	0.00	0.00	20.50	17.71	-2.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.50	17.71	-2.79
47	PGCIL			0.00	0.00	0.00	865.13	455.78	-409.34	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	865.13	455.78	-409.34
48	ULDC COST			0.00	0.00	0.00	8.65	1.72	-6.93	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	8.65	1.72	-6.93
	TOTAL TRANSMISSION & ULDC CHARGES			0.00	0.00	0.00	2326.40	1684.15	-642.25	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	2326.40	1684.15	-642.25
	TOTAL POWER PURCHASE			4015.26	3933.54	-81.72	6199.35	4526.73	-1672.62	12244.10	15411.95	3167.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18443.45	19938.69	1495.24
49	Past claims/refunds, if any, pertaining to the quarters(s) prior to the quarter for which FPPCA is being filed			-91.51				412.94			612.69												0.00	1025.63	1025.63
	NET POWER PURCHASE			4015.26	3842.03	-81.72	6199.35	4939.68	-1672.62	12244.10	16024.64	3167.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18443.45	20964.32	2520.87
50	FY 19-20 adjustments in FY 2020-21 PP Cost																								
	APGENCO Solar 400 MW 2019-20										834.72												0.00	834.72	834.72
	NVVNL Bundled Coal										72.70												0.00	72.70	72.70
	NP Kunta Ultra and SBG										312.12												0.00	312.12	312.12
	SECI ALL										471.20												0.00	471.20	471.20
	Rebate on Power Purchase										-229.67												0.00	-229.67	-229.67
	Solar Roof Top PP Cost										14.73												0.00	14.73	14.73
	D-D Sale Adjustment for FY 2019-20										-1866.35												0.00	-1866.35	-1866.35
	Sub Total									1480.40	-390.55	-1870.95											1480.40	-390.55	-1870.95
	NET POWER PURCHASE including FY 2019-20 adjustment			4015.26	3842.03	-81.72	6199.35	4939.68	-1672.62	13724.50	15634.09	1296.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19923.85	20573.77	649.92

Annexure-XIV

Typical example to show that if the consumption of the free power category exceed the approved level, it will not impose any additional burden on other category consumers		
Table 1: RST Order		
Sl.no	Details	
1	ARR approved for the DISCOMS (Rs)	100
2	Approved Total Sales (Units)	100
3=(1)/(2)	Average cost of service (Rs)	1
4	PP cost out of total ARR (Rs)	70
5=(4)/(2)	PP cost per unit (Rs)	0.7
6	Free power sales aprvd (Units) out of total sales	20
7=(2)-(6)	Sales of other consumers (Units)	80
Table 2; True up - when PP cost increases Rs 10 over approval and actual sales of free power exceed the approval assuming the total sales & other costs remain the same		
Sl.no	Details	
1	Actual ARR for the DISCOMS (Rs)	110
2	Actual Total Sales (Units)	100
3=(1)/(2)	Average cost of service (Rs)	1.1
4	PP cost out of total actual ARR (Rs)	80
5=(4)/(2)	PP cost per unit (Rs)	0.8
6	Free power sales actual (Units) out of total sales	25
7=(2)-(6)	Sales of other consumers (Units)	75
8	True up allowed (Rs)	10
9=(8)/(2)	True up per unit (Rs)	0.1
10=(9)*6	True up paid by free power category (Govt) (Rs)	2.5
11=(9)*7	True up paid by other category (Rs)	7.5
12=(10)+(11)	Total True up collected by the DISCOMS (Rs)	10
13=(1)-(12)	Net ARR after True up (Rs)	100
14=(6)*(3 of table one)	ACoS collected in respect of free power category from Govt (Rs)	25
15	ACoS collected from other categories (Rs) by DISCOMS	75
16=(14)+(15)	Total ARR realised by DISCOMS after exclusion of True up (Rs)	100
17=(16)/(2)	ACoS remains same for all categories as per Tariff Order after collection of True-up	1