

OP.No. 104 of 2021**BEFORE THE HONOURABLE ANDHRA PRADESH ELECTRICITY
REGULATORY COMMISSION**

At its office at 4th Floor, SingareniBhavan, Red Hills, Hyderabad-500 004

File No. /2021

Case No. /2021

IN THE MATTER OF:

Filing of application for pass through of Fuel & Power Purchase Cost Adjustment (FPPCA) for the 1st quarter for FY 2021-22 (Apr'21 to Jun'21) in Rs/unit as per the Regulation No. 4 of 2021, Second amendment to APERC Regulation No. 4 of 2005 (Terms and conditions for determination of tariff on Wheeling and Retail Sale of Electricity).

AND**IN THE MATTER OF:**

Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL)

- Applicant.

MOST RESPECTFULLY SHOWETH THE SUBMISSION**The APCPDCL humbly submits the following:**

1. This filing is made by APCPDCL as per Regulation No. 4 of 2021, Second amendment to the APERC Regulation No. 4 of 2005 (Terms and conditions for determination of tariff on Wheeling and Retail Sale of Electricity).
2. The Clause Nos. 3 & 4 of Regulation No. 4 of 2021 read as follows.

Clause3: Sub-clause12.4 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."



Clause4: The following sub-clause shall be inserted after sub-clause12.4 in the Principal Regulation.

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

With in 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.

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

Where,

FPPCA = Fuel & Power Purchase Cost Adjustment in Rs/unit upto 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 RSTO (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 RSTO 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.

3. As per Clause No.12.5 of the Regulation, the licensee is enclosing the Station wise energy dispatched, fixed cost, variable cost, incentive, income tax etc., in the format appended to the 2nd amendment of principal Regulation (Annexure-I). PP cost certified by the auditors for the 1st quarter of FY 2021-22 (Apr'21 to Jun'21) is herewith enclosed (Annexure-II).
4. The computation of FPPCA is as follows:

Actual Weighted average Power Purchase Cost per unit of energy (APPC):

$$\begin{aligned}\text{Actual Power purchase cost/Actual energy dispatch} &= 1838.93 \text{ Crs./} 4025.85 \text{ MU} \\ &= \text{Rs.}4.57/\text{unit}\end{aligned}$$

Base Weighted average Power Purchase Cost per unit of energy (BPPC):

$$\begin{aligned}\text{Approved Power purchase cost/Approved energy dispatch} &= 1835.10 \text{ Crs./} 3947.41 \text{ MU} \\ &= \text{Rs.}4.65/\text{unit}\end{aligned}$$

$$\text{Approved T\&D Loss for the 1}^{\text{st}} \text{ quarter of FY2021-22} = 10.66\%$$

$$\text{Actual loss\% for corresponding quarter of last year (Apr'20 to Jun'20)*} = 10.58\%$$

$$\text{Lower of the T\&D Loss (above two rows)} = 10.58\%$$

$$\begin{aligned}\text{FPPCA (Rs./Unit)} &= (\text{APPC-BPPC})/(\text{100-Lossin\%})(\text{Rs./Unit}) \\ &= (4.57-4.65)/(\text{100\%}-10.58\%) \\ &= - 0.0906\end{aligned}$$

(*) For FY 2020 21, as there are no D to D settlements on quarterly basis and only on yearly basis, the loss for year is considered for quarter

5. The licensee proposes to refund the amounts in 3 equal instalments.
6. The FPPCA is proposed to be passed through on all categories of consumers.

7. Further, it is humbly submitted that, the licensee could not file the FPPCA application within 2 months time stipulated by the Honourable APERC as there is delay in compilation of accounts for the power purchase for the quarter unlike annual accounts finalisation after the year end. But, the licensee is filing the application within the grace period as per Regulation No.4 of 2021. Hence the licensee requests to take the above reason into consideration and condone the delay in filing the FPPCA application.

In the above circumstances, the licensee humbly prays the Honorable Commission:

- i. To take the above FPPCA proposal for the 1st quarter for FY 2021-22 (Apr'21 to Jun'21) of APCPDCL on record and treat it as complete
- ii. Grant suitable opportunity to APCPDCL within a reasonable time frame to file additional material information that may be subsequently available
- iii. Consider and approve application for Fuel & Power Purchase Cost Adjustment (FPPCA) for the 1st quarter for FY 2021-22 (Apr'21 to Jun'21) of APCPDCL as above.
- iv. To Condone the delay in filing the FPPCA application for the reasons submitted.
- v. To pass such order as the Honourable Commission may deem fit and proper in the facts and circumstances explained above.

ANDHRA PRADESH CENTRAL POWER DISTRIBUTION CORPORATION LIMITED

(APPLICANT)

Through

Rishabh Rao 30/09/2021
Chief General Manager
RAC & ASSESSMENTS
APCPDCL

Place: VIJAYAWADA
Date: 30-09-2021



**BEFORE THE HONOURABLE ANDHRA PRADESH ELECTRICITY
REGULATORY COMMISSION**

At its office at 4th Floor, Singareni Bhavan, Red Hills, Hyderabad-500 004

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IN THE MATTER OF:

Filing of application for pass through of Fuel & Power Purchase Cost Adjustment (FPPCA) for the 1st quarter for FY 2021-22 (Apr'21 to Jun'21) in Rs/unit as per the Regulation No. 4 of 2021, Second amendment to APERC Regulation No. 4 of 2005 (Terms and conditions for determination of tariff on Wheeling and Retail Sale of Electricity).

AND

IN THE MATTER OF:

Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL)

- Applicant

Affidavit

I, R. Veerabhadra Rao S/o of R. Sathiraju, aged about 58 years, residing at Vijayawada, the deponent named above do hereby solemnly affirm and state on oath as under:-

1. That the deponent is the Chief General Manager, RAC & Assessments of Andhra Pradesh Central Power Distribution Corporation Limited duly authorized by APCPDCL to make this affidavit on its behalf and the deponent is acquainted with the facts deposed below,

2. I, R. Veerabhadra Rao, the deponent named above do hereby verify that the contents of the affidavit and those of the accompanying application are true to my personal knowledge and verify that no part of this affidavit is false and nothing material has been concealed.

R. Veerabhadra Rao
DEPONENT
CHIEF GENERAL MANAGER
RAC & ASSESMENTS
APCPDCL VIJAYAWADA

VERIFICATION:

I, the above named Deponent solemnly affirm at Vijayawada on this 30th day of September, 2021 that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.

R. Veerabhadra Rao
DEPONENT
CHIEF GENERAL MANAGER
RAC & ASSESMENTS
APCPDCL VIJAYAWADA


Solemnly affirmed and signed before me.

Praveen Kumar
30/9/21
COMPANY SECRETARY/APCPDCL

CHIEF GENERAL MANAGER
RAC & ASSESSMENTS
APCPDCL VIJAYAWADA

CHIEF GENERAL MANAGER
RAC & ASSESSMENTS
APCPDCL VIJAYAWADA

Sl. No	Name of the Thermal Station	Plant Capacity (MW)	Discom share(%)	Energy MU			Cost Components (Rs. Millions)																				
				TO (a)	Actual (b)	Variance (c) = (b-a)	Fixed			Variable			Incentive			Income Tax			Others			Total					
							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)			
42	UI Energy			0.00	15.49	15.49				0.00	11.42	11.42													0.00	11.42	11.42
	Total Power Purchase	9565.32	2297.86	3947.41	4025.85	78.44	387.30	306.91	-80.39	1215.17	1317.52	102.35													1602.47	1624.43	21.96
43	PGCIL POC Charges (Tr. Charges)																								86.51	68.71	-17.80
44	PCCIL ULDC Charges & Tr. Debits																								0.87	0.04	-0.83
45	APTransco Tr. Charges																								143.21	143.21	0.00
46	APTransco SLDC Charges																								2.05	1.78	-0.27
47	APTransco Annual Fees																								0.00	0.98	0.98
48	Long Term (LTOA) Tr. Charges - TPCIL																								0.00	0.00	0.00
49	Long Term (LTOA) Tr. Charges - KSK																								0.00	0.00	0.00
50	POSOCO SRLDC Fee & Charges																								0.00	0.11	0.11
51	POSOCO Reactive Charges																								0.00	-0.33	-0.33
Total		9565.32	2297.86	3947.41	4025.85	78.44	387.30	306.91	-80.39	1215.17	1317.52	102.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1835.11	1838.93	3.82


 Chief General Manager / RAC
 APCPDCL.: Vijayawada

CPDCL Monthly Deviation in Energy & PP Cost with reference to APERC approved Energy Dispatch and PP cost for the FIRST QUARTER

Name of the Thermal Station	AS PER APERC RST FY 2021-22 (Approved Figures)							AS PER ACTUAL FY 2021-22						
	Energy (MU)	VC (Rs. Cr)	VC (Rs/Kwh)	FC (Rs. Cr)	FC (Rs/Kwh)	Total Cost (Rs. Cr)	Per unit Cost (Rs/Kwh)	Energy (MU)	VC (Rs. Cr)	VC (Rs/Kwh)	FC (Rs. Cr)	FC (Rs/Kwh)	Total Cost (Rs. Cr)	Per unit Cost (Rs/Kwh)
Dr.NTTPS-I	163.00	54.44	3.34	13.54	0.83	67.98	4.17	158.19	52.84	3.34	13.54	0.86	66.38	4.20
Dr.NTTPS-II	163.00	54.44	3.34	13.54	0.83	67.98	4.17	158.19	52.84	3.34	13.54	0.86	66.38	4.20
Dr.NTTPS-III	163.00	54.44	3.34	13.54	0.83	67.98	4.17	158.19	52.84	3.34	13.54	0.86	66.38	4.20
Dr.NTTPS-IV	196.68	61.95	3.15	16.61	0.84	78.57	3.99	194.83	61.37	3.15	16.61	0.85	77.98	4.00
RTPP Stage-I	163.00	62.92	3.86	15.42	0.95	78.33	4.81	30.72	8.79	2.86	15.41	5.02	24.20	7.88
RTPP Stage-II	163.00	62.92	3.86	15.07	0.92	77.98	4.78	74.45	25.67	3.45	15.07	2.02	40.74	5.47
RTPP Stage-III	81.50	31.46	3.86	9.87	1.21	41.33	5.07	26.48	7.15	2.70	9.87	3.73	17.03	6.43
RTPP Stage-IV	262.02	95.90	3.66	44.81	1.71	140.71	5.37	80.86	29.59	3.66	40.33	4.99	69.92	8.65
TOTAL (Thermal)	1355.20	478.47	3.53	142.40	1.05	620.88	4.58	881.91	291.08	3.30	137.92	1.56	429.00	4.86
Srisailem-RBPH	14.64	0.00	0.00	13.03	8.90	13.03	8.90	3.87	0.00	0.00	13.03	33.72	13.03	33.72
NSRCPH	0.51	0.00	0.00	1.50	29.31	1.50	29.31	0.77	0.00	0.00	1.49	19.34	1.49	19.34
NSTPDC PH	0.69	0.00	0.00	2.96	42.93	2.96	42.93	1.04	0.00	0.00	2.96		2.96	
Sileru Complex	82.81	0.00	0.00	13.87	1.67	13.87	1.67	71.29	0.00	0.00	13.86	1.94	13.86	1.94
Pennaahobilam	0.00	0.00	0.00	0.78		0.78		-0.02	0.00	0.00	0.78	-411.60	0.78	-411.60
Mini Hydrel (Chettipeta)	0.05	0.00	0.00	0.10	20.50	0.10	20.50	0.02	0.00	0.00	0.09	48.91	0.09	48.91
GENCO-HYDEL	98.70	0.00	0.00	32.24	3.27	32.24	3.27	76.96	0.00	0.00	32.23	4.19	32.23	4.19
Inter-state hydrel	17.94	0.00	0.00	3.61	2.01	3.61	2.01	22.10	0.00	0.00	3.60	1.63	3.60	1.63
APGENCO-TOTAL	1471.84	478.47	3.25	178.25	1.21	656.72	4.46	980.98	291.08	2.97	173.75	1.77	464.83	4.74
NTPC (SR) Ramagundam I & II	114.09	27.84	2.44	7.89	0.69	35.73	3.13	112.18	28.48	2.54	4.55	0.41	33.04	2.94
NTPC (SR) Simhadri Stage 1	143.88	45.32	3.15	22.60	1.57	67.92	4.72	190.74	55.90	2.93	18.26	0.96	74.16	3.89
NTPC (SR) Simhadri Stage 2	53.01	16.38	3.09	12.52	2.36	28.90	5.45	37.81	10.99	2.91	7.55	2.00	18.54	4.90
NTPC (SR) Talcher St. II	72.42	14.34	1.98	5.38	0.74	19.72	2.72	74.02	13.85	1.87	5.31	0.72	19.16	2.59
NTPC (SR) Ramagundam Stage-III	21.12	5.07	2.40	2.00	0.95	7.07	3.35	31.38	7.85	2.50	2.27	0.72	10.12	3.23
NTPC Kudgi Stage I	99.36	34.68	3.49	13.28	1.34	47.95	4.83	26.61	9.16	3.44	16.36	6.15	25.52	9.59
NTECL Valluru	39.89	13.64	3.42	5.41	1.36	19.05	4.78	33.85	10.53	3.11	6.35	1.88	16.88	4.99
NLC Stage-I	20.10	5.79	2.88	2.49	1.24	8.27	4.12	20.46	5.40	2.64	1.23	0.60	6.63	3.24
NLC Stage-II	36.06	9.99	2.77	2.57	0.71	12.56	3.48	31.39	8.28	2.64	2.32	0.74	10.60	3.38
NPC (MAPS)	2.97	0.78	2.61	0.00	0.00	0.78	2.61	0.13	0.03	2.49	0.00	0.00	0.03	2.49
NPC (Kaiga Unit-I,II)	23.04	8.02	3.48	0.00	0.00	8.02	3.48							
NPC (Kaiga Unit-III & IV)	24.57	8.55	3.48	0.00	0.00	8.55	3.48	50.76	17.45	3.44	0.00	0.00	17.45	3.44
NTPL (NLC Tamilnadu Power Ltd Stage-I)(TUTICORIN)	45.47	13.19	2.90	8.23	1.81	21.41	4.71	47.76	14.56	3.05	7.74	1.62	22.31	4.67
NLC NNTPS	11.34	2.65	2.34	2.57	2.27	5.23	4.61	16.96	3.70	2.18	3.21	1.89	6.91	4.07
CGS TOTAL	707.32	206.23	2.92	84.94	1.20	291.16	4.12	674.06	186.19	2.76	75.16	1.12	261.35	3.88

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JNNSM PH-1 THERMAL	15.71	5.62	3.58	2.71	1.72	8.33	5.30	9.64	4.31	4.47	0.00	0.00	4.31	4.47
NCE-WIND TOTAL	0.00	0.00	2.43	0.00	#DIV/0!	0.00	#DIV/0!	0.00	0.00		0.00	0.00	0.00	#DIV/0!
NCE-OTHERS	20.08	10.32	5.14	0.00	0.00	10.32	5.14	8.40	5.83	6.95	0.00	0.00	5.83	6.95
NCE-SOLAR Total	28.66	6.99	2.44	0.00	0.00	6.99	2.44	15.74	3.85	2.45	0.00	0.00	3.85	2.45
JNNSM PH-1 SOLAR	3.81	4.00	10.50	0.00	0.00	4.00	10.50	0.00	0.00		0.00	0.00	0.00	#DIV/0!
JNNSM PH-2 SOLAR	0.00	0.00	2.44	0.00	#DIV/0!	0.00	#DIV/0!	0.00	0.00		0.00	0.00	0.00	#DIV/0!
Total NCE	52.55	21.31	4.06	0.00	0.00	21.31	4.06	24.14	9.68	4.01	0.00	0.00	9.68	4.01
Godavari Gas	44.50	9.79	2.20	1.17	0.26	10.96	2.46	28.48	6.10	2.14	1.19	0.42	7.29	2.56
Thermal Powertech Corporation India	92.03	21.44	2.33	16.31	1.77	37.75	4.10	108.98	24.78	2.27	15.94	1.46	40.73	3.74
SDSTPS (APPDCL)	675.96	212.25	3.14	103.93	1.54	316.18	4.68	249.95	78.48	3.14	40.87	1.64	119.35	4.78
Total Others	812.49	243.48	3.00	121.41	1.49	364.89	4.49	387.41	109.37	2.82	58.00	1.50	167.37	4.32
Total Dispatch	3059.91	955.13	3.12	387.30	1.27	1342.42	4.39	2076.23	600.63	2.89	306.91	1.48	907.54	4.37
JNNSM PH-II THERMAL									0.08				0.08	
Short Term Purchases (Exchanges)#								1019.04	368.64	3.62	0.00	0.00	368.64	3.62
Purchase from SPDCL	887.50	260.04	2.93			260.04	2.93	915.09	336.75	3.68			336.75	3.68
Net Dispatch	3947.41	1215.16	3.08	387.30	0.98	1602.46	4.06	4010.36	1306.10	3.26	306.91	0.77	1613.01	4.02
Ui Energy								15.487257	11.4231795	7.38			11.42	7.38
NCE SOLAR-PROVISIONAL(SPRNG NPKUNTA)														
Total Power Purchase	3947.41	1215.16	3.08	387.30	0.98	1602.46	4.06	4025.85	1317.52	3.27	306.91	0.76	1624.43	4.04

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ANDHRA PRADESH CENTRAL POWER DISTRIBUTION CORPORATION LIMITED
Dr. Y.S.R VidyutSoudha,
Corporate office, Besides Govt Polytechnic college, ITI Road, Vijayawada -520 008

From

The Chief General Manager,
RAC, Corporate office,
APCPDCL,
Vijayawada-520008

To

The Secretary, APERC,
11-4-660, 4th Floor,
SingareniBhavan, Red Hills
Lakdikapul, Hyderabad-04

Lr.No.CGM/RAC/GM/IPC & RAC/APCPDCL/VJA/F. FSA/D.No. 261/21, dt. 30 -09-2021

Sir,

Sub:- APCPDCL – RAC – VJA - Filing of application for pass through of Fuel & Power Purchase Cost Adjustment (FPPCA) for the 1st quarter for FY 2021- 22 in Rs/unit as per the Regulation No. 4 of 2021, Second amendment to APERC Regulation No. 4 of 2005 - submitted- Regarding.

Ref: Regulation 4 of 2021 dated: 02-07-2021.

APCPDCL is herewith submitting application for pass through of Fuel & Power Purchase Cost Adjustment (FPPCA) for the 1st quarter for FY 2021-22 (Apr'21 to Jun'21) in Rs/unit as per the Regulation No. 4 of 2021, Second amendment to APERC Regulation No. 4 of 2005 (Terms and conditions for determination of tariff on Wheeling and Retail Sale of Electricity).

Encl: Application in original (6 sets)

Yours faithfully,

Rishane Rao 30-09-2021
Chief General Manager/RAC
Corporate Office
APCPDCL, Vijayawada

