



ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION

Vidyut Niyantrana Bhavan, Adjacent to 220/132/33 kV AP Carbides SS,
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**WEDNESDAY, THE THIRTIETH DAY OF JULY
TWO THOUSAND AND TWENTY-FIVE
(30.07.2025)**

Present:

**Sri P.V.R.Reddy, Member
Member & Chairman i/c**

ORDER

In the matter of Determination of Pooled Cost of Power Purchase for the FY 2023-24 applicable for FY 2024-25 under the Renewable Power Purchase Obligation (Compliance by Purchase of Renewable Energy/Renewable Energy Certificates) Regulation, 2022 (Regulation 5 of 2022) in:

- O.P.No. 21 of 2025 - Andhra Pradesh Central Power Distribution Corporation Limited (APCPDCL)
- O.P.No. 23 of 2025 - Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL)
- O.P.No. 25 of 2025 - Southern Power Distribution Company of Andhra Pradesh Limited (APSPDCL)

1. Introduction:

The Commission notified the APERC Renewable Power Purchase Obligation (Compliance by Purchase of Renewable Energy/Renewable Energy Certificates) Regulations 2022 (Regulation No. 5 of 2022) on 29.09.2022. Clause 6.2(1) requires the Commission to determine the Pooled Cost of Power Purchase for a given year based on petitions filed by DISCOMs.

The Pooled Cost of Power Purchase, as defined in Clause 2(j) of the Regulations, is the weighted average price at which the Distribution Licensee purchased power in the previous year from all long-term suppliers, excluding purchases

from liquid fuel sources and market purchases. Purchases from renewable energy sources are also excluded from this calculation.

Accordingly, APCPDCL, APEPDCL, and APSPDCL filed petitions on 07.04.2025, 23.04.2025 and 08.05.2025, respectively, seeking determination of the Pooled Cost of Power Purchase for FY 2023-24 to be considered for FY 2024-25. The petitions were registered as O.P. Nos. 21, 23, and 25 of 2025, respectively. APCPDCL and APEPDCL proposed a pooled cost of Rs. 4.99 per unit, while APSPDCL proposed a cost of Rs. 4.98 per unit (Annexure I-III).

2. Public Notice and Objections:

In accordance with the directions issued by the Commission, the petitioners have published notices in newspapers regarding this matter, inviting objections from stakeholders. The due date for submitting objections was set as 03.07.2025. The petitions were heard on 23.07.2025. During the hearing, Sri G.V. Brahmananda Rao, representing the learned Standing Counsel Sri P. Shiva Rao, appeared on behalf of the petitioners. The Commission notes that no objections or suggestions were received, either in writing or through oral submissions.

3. Commission's Analysis and Decision:

The Commission has examined the submissions and data furnished by the DISCOMs and compared them with the approved values in the Retail Supply Tariff Order dated March 25, 2023, for the FY 2023–24.

The Commission observes that four Central Generating Stations, namely NTPC Kudgi Stage-I, NTECL Vallur, NLC Tamil Nadu Power Limited (NTPL), and NLC NNTPS, were excluded from the approved power purchase cost in the Retail Supply Tariff Order for the said year. Similarly, 15.34 MW from NTPC Telangana STPS Stage-I was excluded in the RST Order. Consequently, inclusion of power purchased from these stations in the pooled cost computation would be inconsistent with the directions issued by the Commission in the Retail Supply Tariff Order for FY 2023–24. Therefore, the Commission decides to exclude these stations from the pooled cost calculation for the present purpose.

The Commission also notes that certain disallowances had been made in the Common Order passed in O.P. Nos. 69, 70, and 71 of 2024 dated 29.11.2024. These include disallowances in respect of variable cost claims made by APGENCO thermal stations and limitations on admissible fixed cost for APPDCL Stage-II, as well as cost adjustments for SEIL P2. The said disallowances have

been duly factored into the present computation. It shall be noted that nothing contained in this Order shall be construed to modify or override the Commission's determination of power purchase costs for each generating station as approved in the Order relating to Fuel and Power Purchase Cost Adjustment (FPPCA) for the Financial Year 2023–24.

Although APEPDCL, APSPDCL, and APCPDCL filed separate petitions, the Commission considers it appropriate, in view of regulatory uniformity and consistent application of cost principles, to determine a common pooled cost of power purchase by aggregating the data of all three DISCOMs.

4. Determination of Pooled Cost:

Based on the scrutiny of the data submitted by the licensees and the decisions outlined in paragraph 3, and in accordance with Regulation No. 5 of 2022, the Commission hereby determines the Pooled Cost of Power Purchase for the Financial Year 2023–24 to be Rs. 4.86/kWh. The computation details are shown in Annexure–IV to this Order.

5. Conclusion:

The Pooled Cost of Power Purchase for the Financial Year 2023–24, as determined in this Order, is Rs. 4.86/kWh, and shall be applicable for the FY 2024–25. The difference between the provisional pooled cost paid by the DISCOMs and the pooled cost now determined by the Commission shall be adjusted, by way of payment or recovery, as the case may be, to or from the respective developers or entities concerned, in three equal monthly instalments commencing from the billing month of August 2025.

6. In terms of the above directions, O.P. Nos. 21, 23, and 25 of 2025 are disposed of.

Sd/-
Sri P.V.R.Reddy, Member
Member & Chairman(i/c)

Annexure – I

APCPDCL Pooled Cost for the FY 2023-24 to be considered in FY 2024-25 as submitted by the Petitioner:

Station	Energy (MU)	Amount (Rs. Crs.)			VC Rate/ kWh	FC Rate/ kWh	Avg. Rate/ kWh
		Fixed Cost	Variable Cost	Total Cost			
CGS:							
NTECL Valluru Thermal Power	85	16	33	49	3.87	1.91	5.78
NLC -Stage - I	39	3	13	16	3.21	0.85	4.06
NLC -Stage - II	58	5	19	24	3.21	0.88	4.09
NLC TPS I EXP)	3	0	1	1	2.85	0.92	3.77
NLC TPS II EXP	2	0	1	1	3.04	2.15	5.19
NLC Tamilnadu Power Ltd Stage.1	142	24	50	74	3.53	1.67	5.20
NLC NNTPS (New Thermal Station)	80	14	21	35	2.59	1.80	4.39
NPC (MAPS)	10	-	3	3	2.83	-	2.83
NPCIL(Kudamkulam)	2	-	1	1	4.30	-	4.30
NPC (Kaiga Unit-I, II & III)	180	-	68	68	3.78	-	3.78
NTPC NVVNL Bundled Power (Only COAL)	49	13	22	35	4.50	2.60	7.10
CGS other than NTPC (1)	652	77	231	307	3.54	1.17	4.71
NTPC (SR) Ramagundam St.I&II	384	32	143	175	3.72	0.83	4.56
NTPC (SR) Simadri Stage 1	659	74	273	347	4.14	1.12	5.26
NTPC (SR) Simadri Stage 2	279	47	113	159	4.04	1.68	5.72
NTPC (SR) Talcheru St.II	281	23	49	72	1.76	0.81	2.57
NTPC (SR) Ramagundam St.III	112	9	41	50	3.68	0.82	4.50
NTPC Kudgi Stage-I (New Thermal Station)	209	53	108	161	5.14	2.54	7.67
NTPC-TELANGANA-STP S STAGE-1	4	1	2	3	3.75	1.88	5.63
Total NTPC (2)	1,928	239	728	967	3.78	1.24	5.02
Sub Total 3 (1+2)	2,580	315	959	1,274	3.72	1.22	4.94
A = CGS TOTAL	2,580	315	959	1,274	3.72	1.22	4.94
SGS							
APPDCL STAGE -1	1,331	159	488	646	3.66	1.19	4.85
APPDCL STAGE -2	666	100	209	309	3.14	1.50	4.64
Godavari Gas Power Plant	0	3	1	4	92.48	401.13	493.61
Sub-Total SGS	1,998	262	697	959	3.49	1.31	4.80
APGenco :							
Dr.NTTPS	1,570	150	676	826	4.31	0.95	5.26
Dr.NTTPS St.IV	694	63	278	342	4.01	0.91	4.92
Dr.NTTPS-V	212	18	87	105	4.12	0.84	4.96
RTPP-I	515	55	227	283	4.42	1.07	5.49
RTPP-ST II	579	59	255	314	4.41	1.03	5.43

Station	Energy (MU)	Amount (Rs. Crs.)			VC Rate/ kWh	FC Rate/ kWh	Avg. Rate/ kWh
		Fixed Cost	Variable Cost	Total Cost			
RTPP -ST III	260	36	115	151	4.40	1.40	5.80
RTPP -ST IV	719	136	299	435	4.15	1.89	6.04
TS NPDCL (TSPCC)	5	-	4	4	7.57	-	7.57
Sub-Total AP Genco-Thermal	4,555	518	1,942	2,460	4.26	1.14	5.40
Hydel-AP Genco	-	-	-	-	-	-	-
AP Genco Total	4,555	518	1,942	2,460	4.26	1.14	5.40
B = SGS Total	6,553	780	2,639	3,419	4.03	1.19	5.22
IPPs:							
Thermal Powertech Corporation India (Sembcorp)	389	59	110	169	2.83	1.52	4.35
SEMBCORP PROJECT-2 (350MW)	661	96	153	249	2.31	1.46	3.77
SEMBCORP PROJECT-2 (150MW)	51	-	33	33	6.63	-	6.63
SEMBCORP PROJECT-2 (125MW)	108	30	54	84	4.98	2.80	7.77
Hinduja National Power Corpn.Ltd.(HNPCL)	1,130	171	319	490	2.82	1.51	4.34
C = IPPs Sub Total	2,338	357	669	1,026	2.86	1.53	4.39
TOTAL (A+B+C)	11,471	1,452	4,267	5,719	3.72	1.27	4.99



Annexure – II

APEPDCL Pooled Cost for the FY 2023-24 to be considered in FY 2024-25 as submitted by the Petitioner:

Station	Energy (MU)	Amount (Rs. Crs.)			VC Rate/ kWh	FC Rate/ kWh	Avg. Rate/ kWh
		Fixed Cost	Variable Cost	Total Cost			
CGS:							
NTECL Valluru Thermal Power	148	28	57	85	3.86	1.91	5.77
NLC -Stage - I	68	6	22	27	3.21	0.85	4.06
NLC -Stage - II	99	9	32	41	3.21	0.88	4.09
NLC TPS I EXP)	6	1	2	2	2.85	0.92	3.77
NLC TPS II EXP	4	1	1	2	3.04	2.15	5.19
NLC Tamilnadu Power Ltd Stage.1	243	41	86	126	3.53	1.67	5.20
NLC NNTPS (New Thermal Station)	138	25	36	61	2.59	1.79	4.38
NPC (MAPS)	16	-	5	5	2.83	-	2.83
NPC (Kaiga Unit-I, II & III)	308	-	116	116	3.77	-	3.77
NPCIL(Kudamkulam)	4	-	2	2	4.30	-	4.30
NTPC NVVNL Bundled Power (Only COAL)	84	22	38	60	4.50	2.63	7.13
CGS other than NTPC (1)	1,118	132	396	527	3.54	1.18	4.71
NTPC (SR) Ramagundam St.I&II	658	55	245	300	3.72	0.83	4.56
NTPC (SR) Simadri Stage 1	1,129	127	469	596	4.16	1.12	5.28
NTPC (SR) Simadri Stage 2	475	80	193	273	4.06	1.69	5.75
NTPC (SR) Talcheru St. II	480	39	85	124	1.77	0.81	2.58
NTPC (SR) Ramagundam St.III	192	16	71	86	3.68	0.82	4.50
NTPC Kudgi Stage-I (New Thermal Station)	359	91	184	275	5.13	2.53	7.66
NTPC-TELANGANA-STP S STAGE-1	7	1	3	4	3.75	1.88	5.63
Total NTPC (2)	3,301	409	1,250	1,659	3.79	1.24	5.03
Sub Total 3 (1+2)	4,420	541	1,645	2,186	3.72	1.22	4.95
A = CGS TOTAL	4,420	541	1,645	2,186	3.72	1.22	4.95
SGS							
APPDCL STAGE -1	2,288	272	839	1,112	3.67	1.19	4.86
APPDCL STAGE -2	1,150	173	361	534	3.14	1.50	4.64
Godavari Gas Power Plant (Now Own Source previously GVK-I)	0	5	1	6	92.47	406.35	498.82
Sub-Total SGS	3,438	450	1,202	1,652	3.49	1.31	4.80
APGenco:							
Dr.NTTPS	2,695	257	1,161	1,418	4.31	0.95	5.26
Dr.NTTPS St.IV	1,191	109	478	586	4.01	0.91	4.92
Dr.NTTPS-V	356	30	147	177	4.13	0.84	4.97
RTPP-I	883	95	390	485	4.42	1.07	5.49
RTPP-ST II	988	101	436	537	4.41	1.03	5.43

Station	Energy (MU)	Amount (Rs. Crs.)			VC Rate/ kWh	FC Rate/ kWh	Avg. Rate/ kWh
		Fixed Cost	Variable Cost	Total Cost			
RTPP -ST III	446	62	197	259	4.40	1.40	5.80
RTPP -ST IV	1,234	233	513	746	4.16	1.89	6.04
TS NPDCL (TSPCC)	9	-	7	7	7.57	-	7.57
Sub-Total AP Genco-Thermal	7,803	887	3,328	4,216	4.27	1.14	5.40
Hydel-AP Genco	-	-	-	-	-	-	-
AP Genco Total	7,803	887	3,328	4,216	4.27	1.14	5.40
B = SGS Total	11,241	1,337	4,530	5,867	4.03	1.19	5.22
IPPs:							
Thermal Powertech Corporation India (Sembcorp)	667	101	189	290	2.84	1.52	4.35
SEMBCORP PROJECT-2 (350MW)	1,134	165	262	427	2.31	1.46	3.77
SEMBCORP PROJECT-2 (150MW)	85	-	57	57	6.64	-	6.64
SEMBCORP PROJECT-2 (125MW)	183	51	91	142	4.98	2.80	7.78
Hinduja National Power Corpn.Ltd.(HNPCL)	1,936	293	547	840	2.82	1.51	4.34
C = IPPs Sub Total	4,004	611	1,145	1,756	2.86	1.52	4.39
TOTAL (A+B+C)	19,665	2,489	7,321	9,809	3.72	1.27	4.99



Annexure – III

APSPDCL Pooled Cost for the FY 2023-24 to be considered in FY 2024-25 as submitted by the Petitioner:

Station	Energy (MU)	Amount (Rs. Crs.)			VC Rate/ kWh	FC Rate/ kWh	Avg. Rate/ kWh
		Fixed Cost	Variable Cost	Total Cost			
CGS :							
NTECL Valluru Thermal Power	154	30	60	89	3.87	1.92	5.79
NLC -Stage - I	72	6	23	29	3.21	0.86	4.06
NLC -Stage - II	108	10	35	44	3.21	0.88	4.09
NLC TPS I EXP)	6	1	2	2	2.85	0.92	3.77
NLC TPS II EXP	4	1	1	2	3.04	2.15	5.19
NLC Tamilnadu Power Ltd Stage.1	260	43	92	135	3.53	1.67	5.20
NLC NNTPS (New Thermal Station)	148	27	38	65	2.59	1.80	4.39
NPC (MAPS)	18	-	5	5	2.85	-	2.85
NPCIL(Kudamkulam)	4	-	2	2	4.30	-	4.30
NPC (Kaiga Unit-I,II & III)	331	-	125	125	3.78	-	3.78
NTPC NVVNL Bundled Power (Only COAL)	90	24	41	65	4.51	2.63	7.15
CGS other than NTPC (1)	1,197	141	423	564	3.54	1.18	4.71
NTPC (SR) Ramagundam St.I&II	709	59	264	323	3.73	0.84	4.56
NTPC (SR) Simadri Stage 1	1,211	136	501	637	4.13	1.13	5.26
NTPC (SR) Simadri Stage 2	516	86	208	295	4.04	1.67	5.71
NTPC (SR) Talcheru St.II	518	42	91	133	1.76	0.81	2.57
NTPC (SR) Ramagundam St.III	206	17	76	93	3.69	0.82	4.50
NTPC Kudgi Stage-I (New Thermal Station)	386	98	198	296	5.14	2.53	7.67
NTPC-TELANGANA-ST PS STAGE-1	8	2	3	5	3.75	1.88	5.63
Total NTPC (2)	3,553	440	1,341	1,781	3.78	1.24	5.01
Sub Total 3 (1+2)	4,750	580	1,765	2,345	3.72	1.22	4.94
A = CGS TOTAL	4,750	580	1,765	2,345	3.72	1.22	4.94
SGS							
APPDCL STAGE -1	2,438	292	885	1,177	3.63	1.20	4.83
APPDCL STAGE -2	1,213	182	381	563	3.14	1.50	4.64
Godavari Gas Power Plant (Now Own Source previously GVK-I)	0	6	1	7	92.53	393.90	486.43
Sub-Total SGS	3,651	480	1,267	1,747	3.47	1.31	4.78
APGenco :							
Dr.NTTPS	2,878	276	1,239	1,515	4.31	0.96	5.26
Dr.NTTPS St.IV	1,276	117	511	628	4.01	0.91	4.92
Dr.NTTPS-V	409	35	168	202	4.10	0.85	4.95
RTPP-I	949	102	419	521	4.41	1.08	5.49
RTPP-ST II	1,062	109	467	576	4.40	1.03	5.43

Station	Energy (MU)	Amount (Rs. Crs.)			VC Rate/ kWh	FC Rate/ kWh	Avg. Rate/ kWh
		Fixed Cost	Variable Cost	Total Cost			
RTPP -ST III	478	67	210	277	4.40	1.40	5.80
RTPP -ST IV	1,323	250	549	799	4.15	1.89	6.04
TS NPDCL (TSPCC)	10	-	7	7	7.57	-	7.57
Sub-Total AP Genco-Thermal	8,385	955	3,571	4,525	4.26	1.14	5.40
Hydel-AP Genco	-	-	-	-	-	-	-
AP Genco Total	8,385	955	3,571	4,525	4.26	1.14	5.40
B = SGS Total	12,037	1,434	4,838	6,272	4.02	1.19	5.21
IPPs:							
Thermal Powertech Corporation India (Sembcorp)	714	109	201	310	2.82	1.52	4.34
SEMBCORP PROJECT-2 (350MW)	1,216	177	281	458	2.31	1.46	3.77
SEMBCORP PROJECT-2 (150MW)	91	-	61	61	6.62	-	6.62
SEMBCORP PROJECT-2 (125MW)	199	56	99	155	4.97	2.81	7.79
Hinduja National Power Corpn.Ltd.(HNPCL)	2,065	312	583	896	2.82	1.51	4.34
C = IPPs Sub Total	4,286	654	1,225	1,880	2.86	1.53	4.39
TOTAL (A+B+C)	21,073	2,669	7,828	10,497	3.71	1.27	4.98



Annexure – IV

AP DISCOMs Pooled Cost of Power Purchase for the FY 2023-24 to be considered in FY 2024-25 as approved by the Commission:

Station	Energy (MU)	Amount (Rs.Crs.)			VC Rate/ kwh	FC Rate/ kwh	Avg. Rate/ kwh
		Fixed Cost	Variable Cost	Total Cost			
CGS :							
NTECL Valluru Thermal Power	-	-	-	-	-	-	-
NLC -Stage - I	179	15	58	73	3.21	0.85	4.06
NLC -Stage - II	266	23	85	109	3.21	0.88	4.09
NLC TPS I EXP)	15	1	4	6	2.85	0.92	3.77
NLC TPS II EXP	10	2	3	5	3.04	2.15	5.19
NLC Tamilnadu Power Ltd Stage.1	-	-	-	-	-	-	-
NLC NNTPS (New Thermal Station)	-	-	-	-	-	-	-
NPC (MAPS)	44	-	12	12	2.84	-	2.84
NPCIL(Kudamkulam)	11	-	5	5	4.30	-	4.30
NPC (Kaiga Unit-I,II & III)	819	-	309	309	3.78	-	3.78
NTPC NVVNL Bundled Power (Only COAL)	223	59	101	159	4.50	2.63	7.13
CGS other than NTPC (1)	1,568	101	577	678	3.68	0.64	4.33
NTPC (SR) Ramagundam St.I&II	1,751	146	652	798	3.72	0.84	4.56
NTPC (SR) Simadri Stage 1	2,999	337	1,243	1,580	4.14	1.12	5.27
NTPC (SR) Simadri Stage 2	1,270	214	514	727	4.04	1.68	5.73
NTPC (SR) Talcheru St.II	1,278	104	225	329	1.76	0.81	2.57
NTPC (SR) Ramagundam St.III	509	42	188	229	3.68	0.82	4.50
NTPC Kudgi Stage-I (New Thermal Station)	-	-	-	-	-	-	-
NTPC-TELANGANA-STPS STAGE-1	-	-	-	-	-	-	-
Total NTPC (2)	7,808	842	2,822	3,664	3.61	1.08	4.69
Sub Total 3 (1+2)	9,376	943	3,399	4,342	3.63	1.01	4.63
A = CGS TOTAL	9,376	943	3,399	4,342	3.63	1.01	4.63
SGS							
APPDCL STAGE -1	6,057	723	2,212	2,935	3.65	1.19	4.84
APPDCL STAGE -2	3,029	454	951	1,405	3.14	1.50	4.64
Godavari Gas Power Plant	0	14	3	17			
Sub-Total SGS	9,087	1,191	3,166	4,357	3.48	1.31	4.79
APGenco :							
Dr.NTTPS	7,143	683	2,872	3,554	4.02	0.96	4.98
Dr.NTTPS St.IV	3,162	289	1,189	1,478	3.76	0.91	4.67
Dr.NTTPS-V	977	82	419	501	4.29	0.84	5.13
RTPP-I	2,347	252	1,037	1,289	4.42	1.07	5.49

Station	Energy (MU)	Amount (Rs.Crs.)			VC Rate/ kwh	FC Rate/ kwh	Avg. Rate/ kwh
		Fixed Cost	Variable Cost	Total Cost			
RTPP-ST II	2,629	270	1,158	1,428	4.41	1.03	5.43
RTPP -ST III	1,185	166	521	687	4.40	1.40	5.80
RTPP -ST IV	3,277	618	1,361	1,979	4.15	1.89	6.04
TS NPDCL (TSPCC)	23.67	-	18	18	7.57	-	7.57
Sub-Total AP Genco-Thermal	20,743	2,360	8,574	10,934	4.13	1.14	5.27
Hydel-AP Genco	-	-	-	-	-	-	-
AP Genco Total	20,743	2,360	8,574	10,934	4.13	1.14	5.27
B = SGS Total	29,830	3,550	11,740	15,291	3.94	1.19	5.13
IPPs:				-			
Thermal Powertech Corporation India (Sembcorp)	1,770	269	501	769	2.83	1.52	4.35
SEMBCORP PROJECT-2 (350MW)	3,010	439	695	1,135	2.31	1.46	3.77
SEMBCORP PROJECT-2 (150MW)	227	-	92	92	4.04	-	4.04
SEMBCORP PROJECT-2 (125MW)	490	137	244	381	4.98	2.81	7.78
Hinduja National Power Corpn. Ltd. (HNPCL)	5,131	776	1,449	2,225	2.82	1.51	4.34
C = IPPs Sub Total	10,628	1,622	2,981	4,602	2.80	1.53	4.33
TOTAL (A+B+C)	49,834	6,115	18,120	24,236	3.64	1.23	4.86