



Registrar

National Electric Power Regulatory Authority

Islamic Republic of Pakistan

NEPRA Tower, Attaturk Avenue (East), G-5/1, Islamabad.
Tel: +92-51-9206500, Fax: +92-51-2600026
Web: www.nepa.org.pk, E-mail: registrar@nepa.org.pk

No. NEPRA/R/ADG(Tariff)/TRF-100/ 9191-97

June 14, 2024

Subject: Decision of the Authority in the matter of request filed by CPPA-G for Power Purchase Price Forecast for the FY 2024-25

Dear Sir,

Please find enclosed herewith the subject Decision of the Authority along with **Annexure-I, II, III, & IV** (total 25 pages).

2. The instant Decision of the Authority along-with annexures, is hereby intimated to the Federal Government for filing of uniform tariff application in terms of section 31 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997. The instant Decision of the Authority along with Annexure-I, II, III & IV attached with the Decision be also notified in terms of section 31 of the NEPRA Act, while notifying the uniform tariff application Decision of the Authority.

Enclosure: **As above**

(Engr. Mazhar Iqbal Ranjha)

Secretary,
Ministry of Energy (Power Division),
'A' Block, Pak Secretariat,
Islamabad

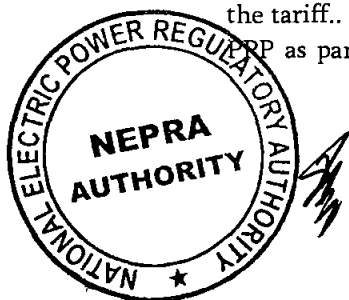
Copy to:

1. Secretary, Cabinet Division, Cabinet Secretariat, Islamabad.
2. Secretary, Ministry of Finance, 'Q' Block, Pak Secretariat, Islamabad.
3. Chief Executive Officer, NTDC, 4 14 WAPDA House, Shaharah-e-Qauid-e-Azarn, Lahore
4. Chief Executive Officer, Central Power Purchasing Agency Guarantee Ltd.(CPPA-G), Shaheen Plaza, 73-West, Fazl-e-Haq Road, Islamabad.

**DECISION OF THE AUTHORITY IN THE MATTER OF REQUEST FILED BY CPPA-G FOR
POWER PURCHASE PRICE FORECAST FOR THE FY 2024-25**

Back Ground

1. Pursuant to the applicable legal and regulatory framework, the tariff of each component of the value chain of the sector i.e. generation, transmission, Market operation, Distribution and Supply of Power is determined through regulatory proceedings. The tariff so determined for all these functions constitutes the overall revenue requirement of the power sector, and is recovered through consumer end tariff of Suppliers of Last Resort (SoLR).
2. The revenue requirement of SoLR and consequently their consumer end tariff, broadly consists of the following heads;
 - a. Projected Power Purchase Price (PPP);
 - b. Distribution and Supply Margin;
 - c. Prior Period Adjustments, if any;
3. It is pertinent to mention here that major portion of the total revenue requirement and thus the end-consumer tariff, comprises of the Power Purchase Price, which sweeps over 90% of the total revenue requirement of the sector. The PPP is a pass through item and consists of the following components;
 - i. Generation cost
 - a. Fuel Charges,
 - b. Variable O&M and
 - c. Capacity charge
 - ii. Transmission costs i.e. Use of System Charges of NTDC and PMLTC
 - iii. Market Operator Fees i.e. CPPA-G Cost
4. The Authority by adopting a forward looking approach, determines PPP references each year, keeping in view the ground realities. These references remain applicable unless new references are notified. The Authority determined PPP references for the FY 2023-24, which were notified by the Federal Government w.e.f. 25.07.2023.
5. Although, variations in actual PPP vis a vis the projected references are actualized during the year through monthly fuel charges adjustment and quarterly adjustments as provided in Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 ("NEPRA Act") and notified tariff determinations of SoLRs, however, such references require regular revision, to account for the impact of new capacity additions, devaluation of currency, exchange rate fluctuations and rupee dollar parity, change in fuel prices, variation in interest rates and CPI indexations. The objective of revision in PPP references is to minimize the impact of future monthly fuel charges adjustments & quarterly variations and to provide a more predictable tariff for the consumers as envisaged in Section 31(3) (i) of NEPRA Act which states that;
"tariff should seek to provide stability and predictability for customers;"
6. While determining the consumer end tariff, projected PPP for the year is incorporated in the tariff.. Once the determined tariff is notified by the Federal Government, the reference PPP as part of Tariff is charged from the consumers. Any variation in the determined &

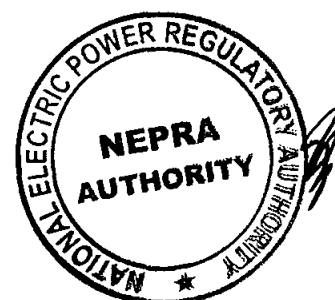


notified PPP vs the actual PPP for the particular month and quarter is adjusted on monthly and quarterly basis in line with the mechanism prescribed in the tariff determinations and as per provisions of NEPRA Act. The variations between projected fuel cost and generation mix *vis a vis* actual Fuel cost and actual generation mix are adjusted through monthly FCA mechanism. Similarly, variations in projected capacity charges, UoSC of NTDC/PMLTC and Market operation fee of CPPA-G, impact of losses on FCA & Variable O&M, *vis a vis* actual such costs are adjusted on quarterly basis through quarterly adjustment mechanism.

7. The NEPRA Guidelines for determination of Consumer End tariff (Methodology and Process), 2015 (the "Guidelines"), requires CPPA-G to file procurement plan by first September of every year. Similarly, the Authority in the Market Operation fee determination of CPPA-G for the FY 2022-23 also directed CPPA-G to submit Power Purchase Price (PPP) forecast Report (the "Report"), updated every year, after accounting for upcoming additions in Generation, changes in demand pattern, and other variables like exchange rate parity, local /US CPIs, LIBOR / KIBOR and IGCEP etc.
8. Pursuant thereto, the Authority vide letter dated 18.01.2024 directed CPPA-G to submit the Report for the FY 2024-25, in consultation with NPCC/ NTDC, providing month wise and plant wise generation projections. CPPA-G was also required to take into account the Power acquisition program of DISCOs, demand growth, network constraints, fuel procurement issues, planned / scheduled outages of power plants and fuel price projections of different fuels for the FY 2024-25. In addition assumptions of other variables like exchange rate parity, local /US CPIs, LIBOR/ KIBOR etc. may be clearly defined in the Report. CPPA-G was further directed to include at least two scenarios of generation projections in the Report, backed by detailed assumptions for each scenario.
9. CPPA-G vide letter dated 27.02.2024 submitted that PPP forecast is based on various assumptions set including electricity demand, hydrology, renewable generation, fuel prices, exchange rate etc. Therefore, in order to enhance transparency and accuracy of the forecasting process, it requested the Authority to share specific assumptions in terms of demand growth, exchange rate, LIBOR, KIBOR, CPIs, fuel prices etc., to be utilized in development of PPP Forecast FY 2024-25. The Authority vide letter dated 08.03.2024, directed CPPA-G to exercise its due diligence and expertise in making informed assumptions for the preparation of the PPP Report for consideration of the Authority.
10. CPPA-G finally submitted the Report for the FY 2024-25 vide letter dated 30.04.2024. Subsequently, CPPA-G vide letter dated 08.05.2024 revised the data mentioned in Table 7 of the earlier submitted Report, pertaining to NTDC Service Charges and NTDC losses.
11. The Report submitted by CPPA-G has been based on seven (07) scenarios with different assumptions of Demand Growth, Exchange Rates, and Hydrology. A summary of assumption considered by CPPA-G under different scenarios are tabulated below;

Sr.#	Scenario			
	Demand	Exchange	Hydrology	Fuel Prices
1	3%	275	Normal	Normal
2	5%	275	Normal	Normal
3	DISCO	275	Normal	Normal
4	3%	300	Normal	Normal
5	5%	300	Normal	Normal
6	3%	275	Dry season	Normal
7	3%	275	Normal	High imported fuel

Mali 7

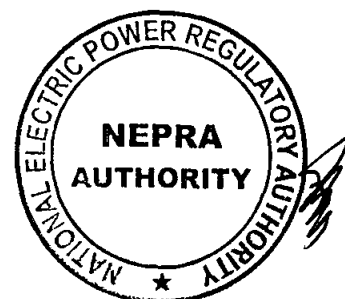


12. Since the PPP constitutes around 90% of the consumer end tariff, therefore, to proceed further in the matter, the Authority decided to conduct a public hearing in the matter which was held on 23.05.2024 at NEPRA Tower Islamabad; notice of hearing was published in newspapers on 15.05.2024, inviting comments from the interested / affected parties. Further individual notices were sent to the Petitioner and other stakeholders.
13. Following issues were framed for discussion during the hearing;
 - i. What are the basis of demand forecast for DISCOs under different scenarios?
 - ii. What are the basis for assumptions considered for projecting power purchase prices?
 - iii. Which is the optimal achievable PPP scenario for rebasing of consumer end tariff for FY 2024-25, in order to minimize the future FCA and quarterly adjustments?
 - iv. What methodology has been adopted for allocation of generation to DISCOs along with power purchase price cost?
14. During the hearing, the Petitioner was represented by its CEO along-with its technical and financial teams. MD NTDC, DMD SO/ NPCC along-with other technical team of NTDC/ NPCC were also present during the hearing. Submissions made by CPPA-G against each issue during the hearing and in writing are as under;
15. **What are the basis of demand forecast for DISCOs under different scenarios?**
16. Regarding demand growth, CPPA-G submitted that electricity demand serves as the primary variable in the determination of the PPP forecast and any variations in demand affects end consumer tariffs. Accordingly, CPPA-G submitted three (03) scenarios of demand growth after consultation with the relevant entities. CPPA-G in its projections has assumed increased energy allocation to K-Electric from October 2024 onwards due to the prospective commissioning of the K.K.I grid station (*interconnection capacity 950 MW*), after due consultation with K-Electric.
 - i. Normal demand (3% increase against Mar 23 - Feb 24)
 - ii. High demand (5% increase against Mar 23 - Feb 24)
 - iii. Demand forecast provided by XWDISCOs

Demand forecast for XWDISCOs

Demand 132 KV Level (GWh)			
Months	Normal	High	DISCOs
Jul-24	14,025	14,297	14,251
Aug-24	15,160	15,454	15,239
Sep-24	12,578	12,822	13,302
Oct-24	8,798	8,968	9,638
Nov-24	6,796	6,928	7,733
Dec-24	6,910	7,044	7,770
Jan-25	7,474	7,619	7,809
Feb-25	6,449	6,575	6,860
Mar-25	7,923	8,077	8,466
Apr-25	9,278	9,458	9,963
May-25	11,499	11,722	12,604
Jun-25	12,959	13,210	14,209
	119,848	122,175	127,845

Mathi S



Demand Forecast for K-Electric

Demand 132 KV Level		
Months	GWh	MDI
Jul-24	869	1,200
Aug-24	850	1,200
Sep-24	859	1,200
Oct-24	1,079	2,050
Nov-24	933	2,050
Dec-24	778	1,783
Jan-25	758	1,663
Feb-25	732	1,693
Mar-25	966	2,050
Apr-25	950	2,050
May-25	1,072	2,050
Jun-25	1,184	2,050
Total	11,030	21,039

Hydrology Forecast

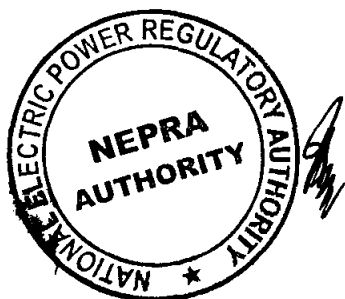
17. Regarding Hydrology, CPPA-G considered two (02) scenarios, as provided below;
- Based on a 5-year average hydrology
 - Reflects low hydrology in preceding years.

Hydrology Assumptions (MW)		
Months	Normal	Low
Jul-24	8,111	6,960
Aug-24	8,442	7,801
Sep-24	7,178	6,433
Oct-24	3,942	3,402
Nov-24	4,042	3,602
Dec-24	2,227	2,062
Jan-25	1,205	762
Feb-25	2,846	2,374
Mar-25	2,244	2,092
Apr-25	4,483	4,146
May-25	6,690	6,000
Jun-25	8,158	5,801
Total	59,568	51,435

18. NPCC during the hearing submitted that dispatch has been projected keeping in view the actual dispatch, and system constraints (including the north south constraints/ RLNG operation for system stability) have been considered and modelled to run the projected despatch.
19. **What are the basis for assumptions considered for projecting power purchase prices?**

Fuel Prices Projections

20. Regarding projection of fuel prices, CPPA-G submitted that fuel prices significantly impact the fuel cost component of the Power Purchase Price. Accordingly it has projected fuel prices under two scenarios, one as normal rates and second as high imported fuel prices, with 5% increase in imported fuel prices as detailed below based on reports from different sources i.e. Argus Media, Platts, OGRA, NEPRA & TCEB;



Handwritten signature

Normal Prices

Month	Gas	Bagasse	Thar Coal	Imp Coal (API-4)	Imp Coal (ICI-3)	Imp Coal (ICI-4)	RLNG	RFO	HSD
	Rs/MMBTU	Rs/ton	Rs/Mton	\$/ton	\$/ton	\$/ton	\$/MMBTU	\$/ton	\$/Litre
Jul-24	1050.00	5,542	14,382	126.09	97.49	79.37	12.76	608	1.04
Aug-24	1050.00	5,542	14,382	126.09	97.49	79.37	12.89	614	1.04
Sep-24	1050.00	5,542	14,382	126.09	97.49	79.37	13.42	611	1.04
Oct-24	1050.00	5,542	14,382	125.59	96.79	79.37	13.49	609	1.04
Nov-24	1050.00	5,542	14,382	121.19	96.79	79.37	14.89	590	1.04
Dec-24	1050.00	5,542	14,382	121.19	96.79	79.37	13.14	570	1.04
Jan-25	1050.00	5,542	14,382	118.29	94.69	76.38	14.31	557	1.04
Feb-25	1050.00	5,542	14,382	118.29	94.69	76.38	13.54	536	1.04
Mar-25	1050.00	5,542	14,382	122.68	94.69	76.38	12.84	530	1.04
Apr-25	1050.00	5,542	14,382	122.68	94.69	76.38	12.09	535	1.04
May-25	1050.00	5,542	14,382	122.68	94.69	76.38	11.65	534	1.04
Jun-25	1050.00	5,542	14,382	122.68	94.69	76.38	11.65	533	1.04

Month	Sahiwal	Port Qasim	China Hub	RFO	RLNG	HSD	Gas	Exchange Rate	Lucky
	Rs/kWh	Rs/kWh	Rs/kWh	Rs/Mton	Rs/MMBTU	Rs/Litre	Rs/MMBTU	Rs/\$	Rs/kWh
Jul-24	16.91	14.10	13.57	167,326	3,508	287.33	1050.00	275.00	16.55
Aug-24	16.91	14.10	13.57	168,885	3,545	287.33	1050.00	275.00	16.55
Sep-24	16.91	14.10	13.57	168,105	3,691	287.33	1050.00	275.00	16.55
Oct-24	16.91	14.01	14.47	167,521	3,710	287.33	1050.00	275.00	16.55
Nov-24	16.91	14.01	14.47	162,261	4,094	287.33	1050.00	275.00	16.55
Dec-24	16.91	14.01	14.47	156,805	3,613	287.33	1050.00	275.00	16.55
Jan-25	16.65	13.71	14.16	153,104	3,935	287.33	1050.00	275.00	15.92
Feb-25	16.65	13.71	14.16	147,453	3,724	287.33	1050.00	275.00	15.92
Mar-25	16.65	13.71	13.21	145,700	3,531	287.33	1050.00	275.00	15.92
Apr-25	16.71	13.71	13.21	147,259	3,326	287.33	1050.00	275.00	15.92
May-25	16.71	13.71	13.21	146,869	3,205	287.33	1050.00	275.00	15.92
Jun-25	16.71	13.71	13.21	146,479	3,203	287.33	1050.00	275.00	15.92

High Imported Fuel Prices

Month	Sahiwal	Port Qasim	China Hub	RFO	RLNG	HSD	Exchange Rate	Lucky
	Rs/kWh	Rs/kWh	Rs/kWh	Rs/Mton	Rs/MMBTU	Rs/Litre	Rs/\$	Rs/kWh
Jul-24	17.46	14.66	14.12	175,567	3,683	301.70	275.00	17.04
Aug-24	17.46	14.66	14.12	177,204	3,722	301.70	275.00	17.04
Sep-24	17.46	14.66	14.12	176,386	3,876	301.70	275.00	17.04
Oct-24	17.45	14.56	15.49	175,772	3,895	301.70	275.00	17.04
Nov-24	17.45	14.56	15.49	170,249	4,299	301.70	275.00	17.04
Dec-24	17.45	14.56	15.49	164,521	3,794	301.70	275.00	17.04
Jan-25	17.17	14.25	15.16	160,634	4,131	301.70	275.00	16.39
Feb-25	17.17	14.25	15.16	154,701	3,910	301.70	275.00	16.39
Mar-25	17.17	14.25	13.74	152,860	3,708	301.70	275.00	16.39
Apr-25	17.23	14.25	13.74	154,497	3,492	301.70	275.00	16.39
May-25	17.23	14.25	13.74	154,087	3,365	301.70	275.00	16.39
Jun-25	17.23	14.25	13.74	153,678	3,363	301.70	275.00	16.39

Addition in Generation fleet

21. CPPA-G has assumed commissioning of the following power plants in its projections for the power purchase price for FY 2024-25 with their expected CODs;

Power Plant	Capacity (MW)	Expected COD
Sukhi Kinari Hydro Project	870	30-Nov-2024
Zorlu Solar Power Project II	100	Oct. 2024
Shahtaj Sugar Mill Limited	32	31-Aug-2024

Economic Parameters

22. For other economic parameters including LIBOR, KIBOR, US inflation, and Pak Inflation, CPPA-G assumed the following based on reports of IMF, SBP, NEPRA, & Globalrates.com;

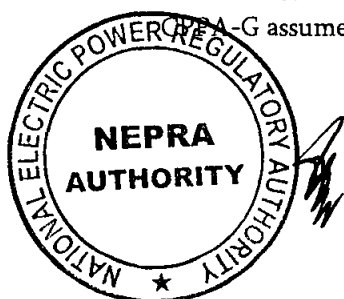


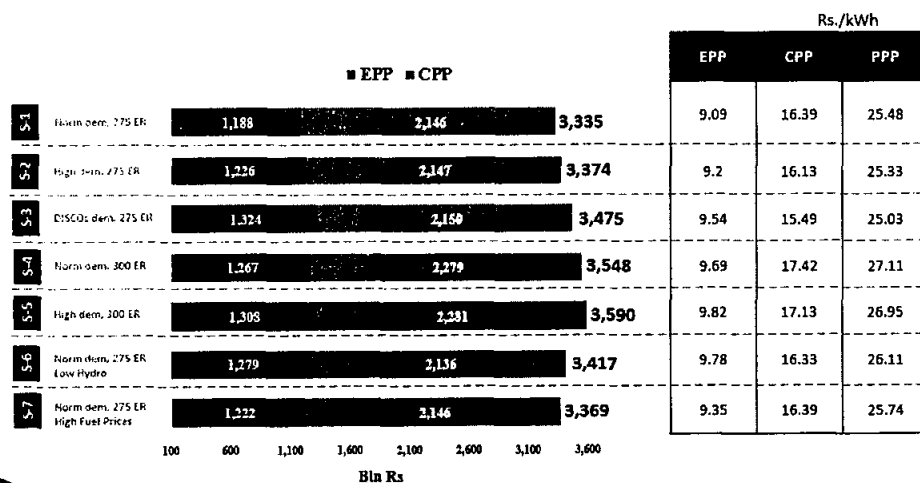
Table 6: Economic Parameter Assumptions

FY	KIBOR	LIBOR	PAK Inflation	US Inflation
	%	%	%	%
2024-25	21.37	5.31	12.20	2.40

Source: IMF, SBP, NEPRA & GlobalVibes.com

Other Assumptions

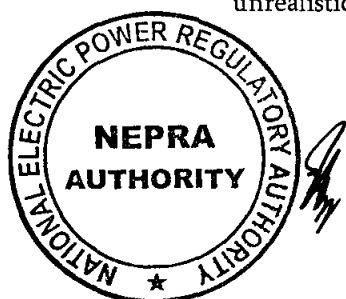
23. Following other assumptions have been used by CPPA-G while preparing Power Purchase Price Projections for FY 2024-25;
- ✓ HVDC+AC Corridor transfer capability has been limited to 4500 MW in summer 2024, 2600 in winter and 5000 MW (with the commissioning of Lahore north) in summer 2025 starting from May 2025 under Normal Operation arrangement of SCS Strategy table as provided by M/s. NARI.
 - ✓ 50 % imported coal must off-take contractual obligation, not assumed in this dispatch.
 - ✓ RLNG + RFO projections are provided based on assumed demand scenarios, however real time fuel demand can vary as per prevailing system conditions and will be dealt with in accordance with contractual arrangements.
 - ✓ Renewable energy generation is based on the previous year's energy profile.
 - ✓ DISCO Demand is provided by Power Planning & Management Company (PPMC).
 - ✓ The annual Capacity payment of Neelum Jhelum has been assumed as Rs.69 billion.
 - ✓ Import from Iran, SPPs, and net metering have not been considered in the analysis.
 - ✓ HSRPEL, PQEPC, CPHGCL, & LEPCL assumed to operate on imported coal only.
 - ✓ Future projects incorporation is considered to the best of knowledge and technical assessments; however, the actual dispatch may vary in accordance with prevailing system conditions.
24. Which is the optimal achievable power purchase price scenario for rebasing of consumer end tariff for FY 2024-25, In order to minimize the future FCA and quarterly adjustments?
25. The Petitioner during the hearing submitted financial impact under each scenario as under, and stated that the Authority may opt for any scenario as deemed appropriate;



26. What methodology has been adopted for allocation of generation to DISCOs along with power purchase price cost?
27. On the issue of allocation of costs among DISCOS, CPPA-G submitted that actual DISCO-wise allocation for Mar 2023 to Feb 2024 has been used as a basis for monthly allocation under the applicable Commercial Code.
28. Based on the aforementioned assumptions, CPPA-G has projected the following PPP under each scenario;

Summary of PPP under each Scenario									
Scenarios	Sold to DISCOS	Fuel Cost		Variable O&M		Capacity Charges		Power Purchase Price	
	GWh	Mln Rs	Rs./kWh	Mln Rs	Rs./kWh	Mln Rs	Rs./kWh	Mln Rs	Rs./kWh
1	130,876	1,126,191	8.61	62,578	0.48	2,146,051	16.40	3,334,820	25.48
2	133,205	1,162,080	8.72	64,427	0.48	2,147,406	16.12	3,373,914	25.33
3	138,872	1,256,095	9.04	68,986	0.50	2,150,849	15.49	3,475,929	25.03
4	130,876	1,205,236	9.21	62,620	0.48	2,279,980	17.42	3,547,837	27.11
5	133,205	1,244,040	9.34	64,580	0.48	2,281,335	17.13	3,589,955	26.95
6	130,876	1,214,705	9.28	65,921	0.50	2,136,854	16.33	3,417,480	26.11
7	130,877	1,160,759	8.87	62,575	0.48	2,146,052	16.40	3,369,385	25.74

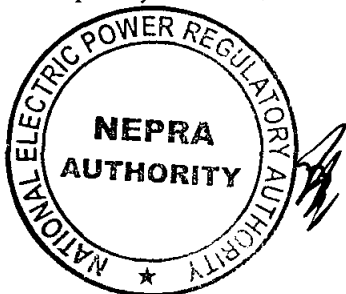
29. Various commentators during the hearing and in writing submitted their comments in the matter. A brief of the comments, relevant with the PPP projections, are as under;
- ✓ Mr. Abu Bakar Ismail, representing, PALSP, stated that industries need stability in prices, therefore, while projecting mix, bottlenecks in dispatch may be considered, as last year, constraints were not modeled in the dispatch, which resulted in high monthly FCAs. Mr. Aamir Sheikh, also mentioned that unpredictable FCAs makes it hard to do costing, therefore, new reference needs to be set as close to actual as possible. It was also submitted that fixed charges based on sanctioned load should not be charged.
 - ✓ Mr. Ahmed Azeem, submitted that generation is going down, therefore any further increase in price may not solve the problem.
 - ✓ Mr. Arif Bilwani and Mr. Saif ur Rehman, stated that 3% growth may not be achievable, keeping in view reduction in sales, witnessed during the current year as well as in the last year.
 - ✓ Mr. Khaliq Kiyani, raised concerns regarding fixed price of gas @ Rs.1,050/mmbtu.
 - ✓ Mr. Rehan Javed, representing KATI, submitted that demand growth in industry is unlikely due to rising prices of electricity.
 - ✓ While responding to the query from Mr. Imran Shahid, NPCC explained that our total installed capacity is around 41,000 MW, whereas Peak demand recorded during May 2024 is around 21,600 MW, and there is no shortfall at present.
30. APTMA and FPCCI, in their written comments submitted that;
- ✓ Industry was not consulted for construction of demand scenarios, and CPPA-G has not specified the underlying basis for assuming 3-5% demand growth, especially considering that power consumption has been down. Industrial contribution to GDP has been contracting since FY 23 and the little growth, if any, is expected mainly on account of agriculture, which itself is shifting away from the grid and towards solarization of tube-wells. Consequently, the demand growth scenarios are highly unrealistic and will result in high quarterly tariff adjustments throughout the next



- financial year. They also requested for load factors, and growth rate for peak demand that have been considered under different scenarios, overall and by consumer categories.
- ✓ The assumed exchange rate (1 USD=275) is also problematic, considering that the USD to PKR exchange rate has been consistently above this for over a year, with further devaluation expected in the coming months. Similarly, the assumption of inflation at 12.20% is weak and requires further sensitivity analysis; inflation is likely to increase if the exchange rate experiences a very likely devaluation and energy prices are increased following tariff rebasing and exchange rate devaluation.
 - ✓ The assumptions about RLNG pricing must be revisited considering the long-term LNG contracts and downward trends in global oil prices as the long-term contracts of 1000 MMCFD are indexed to international oil prices.
 - ✓ MDI-based fixed charges have significant implications for operational costs, therefore, clarity is required how these charges will be factored into rebasing.
 - ✓ APTMA also requested the following:
 - Impact of the tariff rebasing on demand through the price effect
 - Detailed methodologies and underlying assumptions for demand forecasts.
 - Justifications for the assumptions regarding exchange rates, inflation, fuel prices, capacity utilization, and hydrology.
 - Specific details of how the MDI-based fixed charge will be factored into the rebased power tariffs.
 - The specific impact of the scenario-wise projected power purchase prices on consumer-end tariffs and the increase in cross-subsidies.
31. CPPA-G while responding to comments of APTMA, has submitted that demand forecast is based on prevailing dynamics of electricity sales, tariffs, economic growth, etc. Accordingly, the demand forecast assumes a monthly load factor ranging from 78% to 85% with a maximum growth rate of 4%. Furthermore, expected GDP growth in the upcoming year will drive demand to increase between 3% and 5%. The parity for the exchange rate highly depends on the monetary policy of the State Bank, the import restriction policy, remittances, and the resultant current account balance. However, it is expected that the average exchange rate for FY 2025 shall remain within the limit of a maximum of 300, keeping in view the historical trends and predictions by different economic financial institutions. The underlying economic variables including exchange rate, inflation, and KIBOR are interrelated, however looking at the historical trend, the inflation is expected to go even below the projected numbers, the reflection may be witnessed by the YoY actual inflation for May 2024. However, for any incremental impact due to other variables including the exchange rate, KIBOR etc., the inflation shall adjust accordingly. It further submitted that fuel prices have been forecasted using base data from internationally recognized agencies like PLATS and ARGUS etc., and it is in alignment with the practices followed by the relevant entities. The scope of the exercise is only limited to power purchase price forecasting, however, the comments from relevant entities may be sought regarding the end consumer tariffs along with the incidence of subsidy/cross-subsidy.



32. The Authority has carefully considered the submissions made by CPPA-G and other stakeholders during the hearing and in writing. The Authority has also analyzed different assumptions/ economic parameters adopted by CPPA-G for projection of the PPP Report for the FY 2024-25. On the basis of pleadings, evidence/record produced and arguments raised during the hearing, point wise findings are given as under;
33. On the issue of demand growth, the Authority observed that CPPA-G has projected growth under three (03) scenarios i.e. 3%, 5% and 10% respectively, however, actual demand during last two years i.e. FY 2022-23 and FY 2023-24 has shown negative growth. For FY 2022-23, the overall generation was reduced by around 10% as compared to FY 2021-22 and similarly, for FY 2023-24 (*June 2024 projected*), the total generation has also shown a slight decrease of around 1.5% vis a vis FY 2022-23. The quantum of distributed generation increased considerably during the last year i.e. from 884 MW as of June 2023 to around 2000 MW by May 2024, which has also contributed towards demand reduction. On the other hand, KE's electricity share from National Grid has been assumed to increase to 11,030 GWhs, during the FY 2024-25, due to the prospective commissioning of the K.K.I grid station, thus, there would be an additional drawl of 2,552 GWhs by KE from National Grid. Therefore, effectively, XWDISCOs demand would be growing at a rate lesser than the overall rate assumed by CPPA-G in the Report. Further, as per the IMF data mapper report, GDP growth has been projected to increase to 3.5% for the FY 2024-25, as compared to 2.38% for the FY 2023-24 (*National Accounts Committee meeting of 21.05.2024*), with inflation also expected to come down significantly in the FY 2024-25. The improved economic situation, although may lead to additional electricity consumption, however, the Authority still considers that demand growth of 5% and 10% as assumed by CPPA-G as ambitious and unlikely to happen. Therefore, keeping in view the past trends, GDP projections for the FY 2024-25, and other economic indicators, the Authority has decided to accept the demand growth of 3% for the FY 2024-25, including impact of energy to be procured by DISCOs through bilateral contracts.
34. The other critical factor that impacts electricity prices in Pakistan in the exchange rate parity. Pakistan's power sector costs are generally tied with dollar indexation, and any change in exchange rate parity directly impacts the energy and capacity charges of generation segment, which constitute over 90% of total cost of power sector. With devaluation of PKR against U.S. dollar, cost in local currency increases, potentially leading to higher electricity prices for consumers, therefore, accurate assessment of PKR/ USD as far as possible, is one of the most crucial elements of PPP forecast.
35. CPPA-G has projected PKR/USD @ 275 and 300 under different scenarios of PPP forecast. The Authority noted that the prevailing exchange rate as of June 2024 is around Rs.279/USD. The PKR although has shown stability over the past few months, however, on average it remained over Rs.280/USD during the FY 2023-24, with peak of Rs.297/USD in Sep. 2023. Historically, during last 15 years period, PKR has devaluated on average by around 10% p.a. against the USD, and may cross over Rs.300/USD, if the same trend continues in future. Given the aforementioned facts, the Authority considers the CPPA-G projection of exchange rate parity of Rs.300/USD, for FY 2024-25, as reasonable.
36. Regarding fuel prices for imported as well as local fuels, the Authority considers the projections made by CPPA-G are satisfactory, keeping in view the reports and data relied upon by CPPA-G, while making such projections.

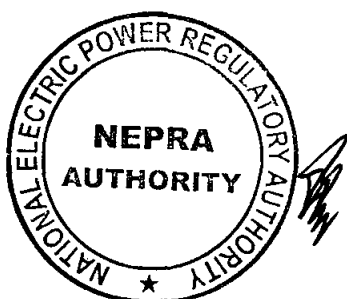


37. For other economic parameters i.e. LIBOR, US inflation and PAK inflation, the Authority considers the projections made by CPPA-G for the FY 2024-25, as reasonable. However, regarding KIBOR projections of 21.37% for the FY 2024-25, the Authority considers the same to be on the higher side. With recent cut in policy rate by 1.5% by the SBP, and inflation expected to come down in future, there could be room for further reduction in the policy rate. Therefore, the Authority has decided to use 3 months KIBOR of 20.69%, as published by SBP on 10.06.2024 for the 1st quarter of FY 2024-25, reducing it by 1.5% for each quarter during FY 2024-25.
38. Based on different assumptions in terms of demand growth, exchange rate parity and other economic parameters discussed above, the source wise estimated/projected generation and the estimated cost of electricity generation is given in the following table;

Projected Power Purchase Price FY 2024-25									
Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	1,424	16,927	11.88	2,179	1.53	6,900	4.84	26,007	18.26
Gas	11,476	122,212	10.65	11,069	0.96	61,214	5.33	194,495	16.95
Hydel	43,539	-	0.00	5,970	0.14	446,401	10.25	452,370	10.39
Imp Coal	6,538	109,126	16.69	3,159	0.48	395,402	60.48	507,686	77.66
Thar coal	15,850	234,613	14.80	20,404	1.29	255,891	16.14	510,908	32.23
Nuclear	25,079	46,051	1.84	-	-	465,704	18.57	511,755	20.41
RLNG	22,291	565,157	25.35	13,559	0.61	168,041	7.54	746,757	33.50
RFO	3,127	111,150	35.55	6,279	2.01	81,333	26.01	198,763	63.57
Solar	1,120	-	-	-	-	41,630	37.18	41,630	37.18
Wind	4,550	-	-	-	-	168,031	36.93	168,031	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	134,994	1,205,236	8.93	62,620	0.46	2,090,547	15.49	3,358,403	24.88
UOSC/MOF/Losses	4,117					175,193	42.55	175,193	42.55
Grand Total	130,876	1,205,236	9.21	62,620	0.48	2,265,740	17.31	3,533,597	27.00

39. Month wise projected power purchase price is attached as **Annex-I** with the instant decision.
40. As per the above table, the total Power Purchase Price of XWDISCOs for the FY 2024-25, (after excluding the share of KE), works out as Rs.3,277.506 billion, which includes Rs.1,161.257 billion for fuel & variable O&M cost and Rs.2,116.250 billion as capacity charges including UoSC of NTDC & PMLTC and MoF of CPPA-G. The capacity charges translate into Rs.6,957/kW/month, based on projected average monthly MDI of 25,348 MW. Thus, the capacity charges works out as around 65% of the total projected PPP of XWDISCOs, whereas energy cost is around 35% of the total projected PPP. In terms of average per unit PPP of XWDISCOs on unit purchased basis i.e. before adjustment of allowed T&D losses of XWDISCOs, capacity charges works out as Rs.17.66/kWh, whereas energy charges are Rs.9.69/kWh, totaling to Rs.27.35/kWh for the FY 2024-25. The national average power purchase price works out as Rs.27.00/kWh. The generation cost is transferred to the DISCOs as per the prescribed mechanism. DISCOs wise projected PPP for FY 2024-25 is as under;

Naithi



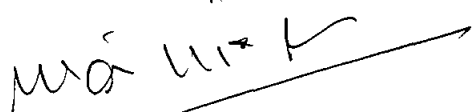
10/25


POWER PURCHASE PRICE - Rs. Mln													
DISCO	July	August	September	October	November	December	January	February	March	April	May	June	Total
FESCO	45,242	46,032	43,379	36,663	32,375	33,334	33,123	30,944	35,144	34,529	41,956	42,608	455,330
GEPCO	33,940	35,765	33,542	26,722	17,923	23,616	25,269	18,512	24,728	25,160	28,214	30,743	324,134
HESCO	16,687	15,315	16,341	16,173	12,339	11,995	14,175	10,731	13,934	15,736	16,035	15,978	175,439
IESCO	32,111	34,331	30,450	23,096	18,757	23,633	26,089	16,977	16,493	17,280	25,263	31,236	295,715
LESCO	66,663	73,911	66,673	52,349	44,407	50,562	59,723	45,534	52,342	52,721	63,182	66,853	694,920
MEPCO	59,985	59,878	56,744	47,485	34,608	40,057	42,398	35,154	44,837	46,072	52,437	55,679	575,334
PESCO	41,182	38,274	35,799	27,854	25,106	32,015	39,711	27,928	30,314	30,066	28,267	35,392	391,910
QESCO	15,732	15,754	13,969	14,917	14,898	17,711	16,511	14,112	15,350	14,010	14,591	15,055	182,608
SEPCO	12,468	13,335	11,175	8,898	5,536	7,025	8,818	5,819	8,323	10,033	11,195	12,606	115,231
TESCO	4,706	4,754	4,677	5,361	5,369	6,120	7,741	5,830	6,458	5,872	5,266	4,731	66,886
KESC	16,051	15,763	16,449	26,411	23,174	22,856	22,891	18,969	24,479	22,258	23,078	23,713	256,090
Total	344,766	353,112	329,198	285,929	234,492	268,925	296,449	230,508	272,402	273,737	309,486	334,594	3,533,597

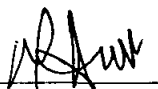
FIXED COST - Rs. Min														Rs./kW/M
DISCO	July	August	September	October	November	December	January	February	March	April	May	June	Total	
FESCO	25,929	24,893	25,292	22,852	24,761	23,570	20,191	23,068	24,463	24,171	29,184	26,783	295,156	6.967
GEPCO	19,842	19,829	19,776	17,727	12,492	16,295	16,140	13,351	17,372	18,072	19,428	19,041	209,365	6.932
HESCO	10,688	9,631	10,958	11,241	9,752	8,971	10,494	8,494	10,325	11,924	11,680	10,859	125,018	6.974
IESCO	17,897	19,104	17,029	13,971	12,941	14,943	14,862	11,232	9,299	10,649	16,777	19,329	178,033	6.905
LESCO	38,124	40,420	38,171	31,376	32,128	34,236	36,817	32,560	35,510	36,832	43,256	41,910	441,340	6.955
MEPCO	34,663	32,721	33,220	29,886	25,628	29,389	27,833	26,177	32,516	32,230	35,939	35,565	375,766	6.949
PESCO	23,634	20,278	19,891	17,205	17,727	20,643	23,661	19,502	19,727	20,712	17,964	21,356	242,299	6.974
QESCO	9,565	9,295	8,564	10,506	11,382	11,634	10,122	10,466	10,433	9,595	9,951	9,611	121,123	7.029
SEPCO	7,308	7,998	6,551	5,670	3,959	5,168	6,099	4,339	5,932	7,168	7,701	8,165	76,058	6.903
TESCO	3,525	3,502	3,417	4,097	4,364	4,732	5,564	4,827	5,205	4,899	4,263	3,696	52,092	7.066
KESC	7,529	7,371	7,575	14,765	15,459	14,246	12,574	12,435	15,078	14,553	14,666	13,240	149,490	7.105
Total	198,704	195,041	190,443	179,295	170,593	183,825	184,357	166,453	185,859	190,803	210,808	209,556	2,265,740	6.967

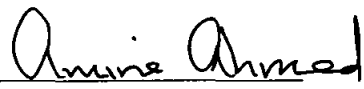
41. The XWDISCO wise PPP forecast for FY 2024-25 is attached herewith as **Annex-II**. The adjustment mechanism for the monthly fuel price adjustments and quarterly adjustments are attached as **Annex-III** and **Annex-IV** respectively.
42. The instant decision of the Authority along-with Annex-I, II, III & IV attached with the decision, is hereby intimated to the Federal Government for filling of uniform tariff application in terms of section 31 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997. The instant decision of the Authority along-with Annex-I, II & III attached with the decision be also notified in terms of section 31 of the NEPRA Act, while notifying the uniform tariff application decision of the Authority.


AUTHORITY

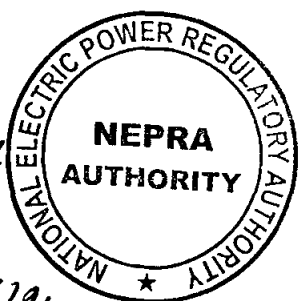

Mathar Niaz Rana (nsc)
Member


Rafique Ahmed Shaikh
Member


Engr. Maqsood Anwar Khan
Member


Amina Ahmed
Member


Waseem Mukhtar
Chairman



14/6/24

11/25

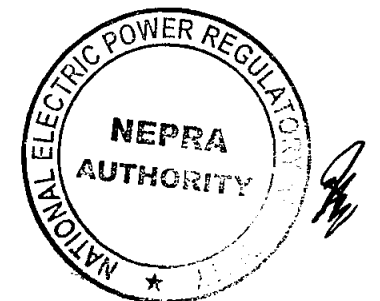
ANNEX -I

Month wise Projected Power Purchase Price
Projected Power Purchase Price Jul-24

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	124	1,461	11.77	188	1.52	598	4.82	2,247	18.10
Gas	778	8,454	10.86	718	0.92	6,499	8.35	15,671	20.14
Hydel	6,034	-	-	822	0.14	36,460	6.04	37,282	6.18
Imp Coal	338	5,520	16.31	181	0.53	33,939	100.29	39,640	117.14
Thar coal	1,549	20,656	13.34	1,969	1.27	21,815	14.08	44,440	28.69
Nuclear	2,269	4,125	1.82	-	-	39,428	17.38	43,553	19.19
RLNG	3,134	78,653	25.10	1,969	0.63	14,671	4.68	95,293	30.41
RFO	541	20,416	37.76	930	1.72	6,881	12.73	28,227	52.21
Solar	77	-	-	-	-	2,874	37.18	2,874	37.18
Wind	517	-	-	-	-	19,093	36.93	19,093	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	15,362	139,286	9.07	6,777	0.44	182,258	11.86	328,320	21.37
UOSC/MOF/Cost & Losses	469					16,446	1.10	16,446	1.10
Grand Total	14,894	139,286	9.35	6,777	0.45	198,704	13.34	344,766	23.15

Projected Power Purchase Price Aug-24

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	125	1,467	11.77	189	1.52	598	4.80	2,254	18.08
Gas	1,064	11,493	10.80	1,002	0.94	6,499	6.11	18,994	17.85
Hydel	6,281	-	-	856	0.14	36,842	5.87	37,698	6.00
Imp Coal	1,053	16,860	16.02	594	0.56	33,939	32.24	51,393	48.82
Thar coal	1,854	22,027	11.88	2,348	1.27	21,815	11.77	46,191	24.92
Nuclear	2,202	4,002	1.82	-	-	39,428	17.91	43,430	19.73
RLNG	2,937	74,351	25.31	1,847	0.63	14,671	4.99	90,869	30.94
RFO	528	20,101	38.04	934	1.77	6,881	13.02	27,916	52.83
Solar	80	-	-	-	-	2,982	37.18	2,982	37.18
Wind	391	-	-	-	-	14,423	36.93	14,423	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	16,514	150,300	9.10	7,771	0.47	178,079	10.78	336,149	20.36
UOSC/MOF/Cost & Losses	504					16,962	1.06	16,962	1.06
Grand Total	16,010	150,300	9.39	7,771	0.49	195,041	12.18	353,112	22.06



12/25

malk - 9

ANNEX-I

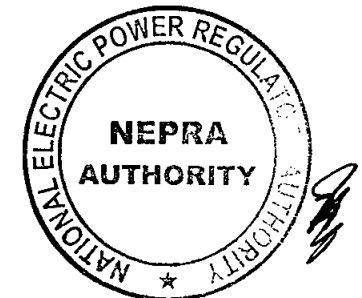
Month wise Projected Power Purchase Price

Projected Power Purchase Price Sep-24

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	121	1,433	11.88	185	1.53	632	5.24	2,250	18.65
Gas	1,067	11,755	11.02	1,012	0.95	6,289	5.89	19,056	17.86
Hydel	5,168	0	0.00	711	0.14	34,240	6.63	34,951	6.76
Imp Coal	1,134	17,615	15.54	649	0.57	32,844	28.97	51,108	45.08
Thar coal	1,615	20,726	12.84	2,057	1.27	21,112	13.07	43,894	27.18
Nuclear	1,463	2,686	1.84	-	-	38,156	26.08	40,842	27.92
RLNG	2,320	61,883	26.68	1,607	0.69	14,198	6.12	77,688	33.49
RFO	412	15,589	37.86	848	2.06	6,659	16.17	23,095	56.09
Solar	92	-	-	-	-	3,429	37.18	3,429	37.18
Wind	469	-	-	-	-	17,316	36.93	17,316	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	13,859	131,688	9.50	7,068	0.51	174,875	12.62	313,630	22.63
UOSC/MOF/Cost & Losses	423					15,568	1.16	15,568	1.16
Grand Total	13,437	131,688	9.80	7,068	0.53	190,443	14.17	329,198	24.50

Projected Power Purchase Price Oct-24

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	125	1,481	11.88	191	1.53	609	4.89	2,281	18.30
Gas	903	10,090	11.17	880	0.97	5,136	5.69	16,105	17.83
Hydel	2,933	0	0.00	404	0.14	31,595	10.77	31,998	10.91
Imp Coal	979	16,196	16.54	398	0.41	33,699	34.41	50,293	51.35
Thar coal	1,626	21,234	13.06	2,065	1.27	21,760	13.38	45,060	27.71
Nuclear	1,488	2,732	1.84	-	-	39,504	26.55	42,236	28.38
RLNG	1,688	44,564	26.40	816	0.48	14,403	8.53	59,783	35.42
RFO	142	5,182	36.44	401	2.82	6,884	48.41	12,467	87.67
Solar	93	-	-	-	-	3,450	37.18	3,450	37.18
Wind	210	-	-	-	-	7,768	36.93	7,768	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	10,187	101,480	9.96	5,154	0.51	164,808	16.18	271,442	26.65
UOSC/MOF/Cost & Losses	311					14,487	1.47	14,487	1.47
Grand Total	9,876	101,480	10.28	5,154	0.52	179,295	18.15	285,929	28.95



13/25

Math - 9

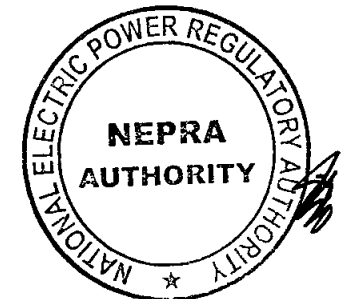
Month wise Projected Power Purchase Price

Projected Power Purchase Price Nov-24

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	120	1,437	12.00	185	1.55	589	4.92	2,212	18.47
Gas	603	7,985	13.24	607	1.01	4,970	8.24	13,561	22.49
Hydel	2,910	0	0.00	404	0.14	30,688	10.55	31,092	10.68
Imp Coal	294	4,739	16.11	116	0.39	32,612	110.88	37,467	127.39
Thar coal	997	18,063	18.11	1,326	1.33	21,058	21.12	40,447	40.56
Nuclear	1,993	3,695	1.85	-	-	38,230	19.18	41,924	21.04
RLNG	825	24,840	30.10	503	0.61	13,938	16.89	39,281	47.61
RFO	-	-	-	-	-	6,662	-	6,662	-
Solar	76	-	-	-	-	2,836	37.18	2,836	37.18
Wind	154	-	-	-	-	5,691	36.93	5,691	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	7,972	60,758	7.62	3,140	0.39	157,274	19.73	221,172	27.74
UOSC/MOF/Cost & Losses	243					13,319	1.72	13,319	1.72
Grand Total	7,729	60,758	7.86	3,140	0.41	170,593	22.07	234,492	30.34

Projected Power Purchase Price Dec-24

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	122	1,469	12.00	189	1.55	609	4.97	2,268	18.52
Gas	923	10,077	10.92	881	0.95	5,136	5.56	16,094	17.43
Hydel	1,657	0	0.00	230	0.14	38,466	23.22	38,696	23.36
Imp Coal	224	4,194	18.73	87	0.39	33,699	150.48	37,980	169.60
Thar coal	794	17,588	22.14	1,065	1.34	21,760	27.39	40,414	50.87
Nuclear	2,266	4,202	1.85	-	-	39,504	17.43	43,706	19.28
RLNG	1,681	44,235	26.31	881	0.52	14,403	8.57	59,518	35.40
RFO	-	-	-	-	-	6,884	-	6,884	-
Solar	77	-	-	-	-	2,866	37.18	2,866	37.18
Wind	184	-	-	-	-	6,787	36.93	6,787	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	7,929	81,765	10.31	3,334	0.42	170,113	21.45	255,213	32.19
UOSC/MOF/Cost & Losses	242					13,712	1.78	13,712	1.78
Grand Total	7,687	81,765	10.64	3,334	0.43	183,825	23.91	268,925	34.98



14/25

Muthi S

ANNEX -I

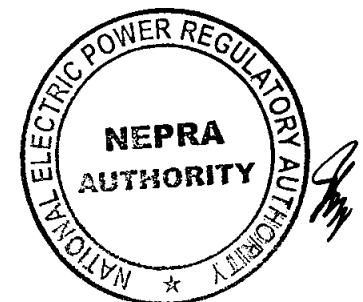
Month wise Projected Power Purchase Price

Projected Power Purchase Price Jan-25

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	193	2,315	12.00	298	1.55	563	2.92	3,177	16.46
Gas	1,253	12,636	10.08	1,213	0.97	5,149	4.11	18,998	15.16
Hydel	897	0	0.00	125	0.14	37,261	41.56	37,386	41.70
Imp Coal	747	13,779	18.44	291	0.39	33,460	44.77	47,529	63.59
Thar coal	926	18,180	19.62	1,245	1.34	21,705	23.43	41,130	44.39
Nuclear	2,266	4,202	1.85	-	-	39,602	17.47	43,803	19.33
RLNG	1,317	36,658	27.83	533	0.40	14,125	10.72	51,316	38.96
RFO	567	19,330	34.08	1,288	2.27	6,887	12.14	27,506	48.49
Solar	94	-	-	-	-	3,483	37.18	3,483	37.18
Wind	230	-	-	-	-	8,487	36.93	8,487	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	8,491	107,100	12.61	4,992	0.59	170,724	20.11	282,816	33.31
UOSC/MOF/Cost & Losses	259					13,633	1.66	13,633	1.66
Grand Total	8,232	107,100	13.01	4,992	0.61	184,357	22.39	296,449	36.01

Projected Power Purchase Price Feb-25

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	65	779	12.00	100	1.54	509	7.83	1,388	21.38
Gas	778	7,421	9.54	754	0.97	4,651	5.98	12,826	16.49
Hydel	1,912	0	0.00	266	0.14	35,368	18.50	35,633	18.63
Imp Coal	86	1,581	18.44	33	0.39	30,222	352.43	31,836	371.26
Thar coal	917	16,821	18.35	1,199	1.31	19,605	21.38	37,625	41.04
Nuclear	2,261	4,191	1.85	-	-	35,769	15.82	39,960	17.68
RLNG	1,156	30,442	26.34	467	0.40	12,758	11.04	43,667	37.78
RFO	-	-	-	-	-	6,221	-	6,221	-
Solar	85	-	-	-	-	3,165	37.18	3,165	37.18
Wind	148	-	-	-	-	5,457	36.93	5,457	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	7,407	61,235	8.27	2,820	0.38	153,724	20.75	217,779	29.40
UOSC/MOF/Cost & Losses	226					12,729	1.77	12,729	1.77
Grand Total	7,181	61,235	8.53	2,820	0.39	166,453	23.18	230,508	32.10



15/25

path. 9

ANNEX-I

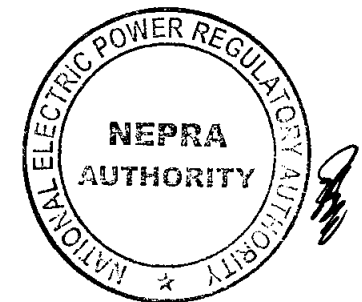
Month wise Projected Power Purchase Price

Projected Power Purchase Price Mar-25

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	67	798	11.88	103	1.53	563	8.39	1,464	21.80
Gas	1,246	13,288	10.66	1,206	0.97	5,149	4.13	19,643	15.76
Hydel	1,670	0	0.00	230	0.14	38,462	23.04	38,692	23.17
Imp Coal	614	11,217	18.26	237	0.39	33,460	54.46	44,914	73.10
Thar coal	1,448	20,417	14.10	1,847	1.28	21,705	14.99	43,969	30.36
Nuclear	2,503	4,595	1.84	-	-	39,602	15.82	44,197	17.66
RLNG	1,297	31,963	24.64	644	0.50	14,125	10.89	46,732	36.02
RFO	-	-	-	-	-	6,887	-	6,887	-
Solar	113	-	-	-	-	4,189	37.18	4,189	37.18
Wind	210	-	-	-	-	7,769	36.93	7,769	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	9,169	82,277	8.97	4,267	0.47	171,912	18.75	258,456	28.19
UOSC/MOF/Cost & Losses	280					13,947	1.57	13,947	1.57
Grand Total	8,889	82,277	9.26	4,267	0.48	185,859	20.91	272,402	30.64

Projected Power Purchase Price Apr-25

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	121	1,433	11.88	185	1.53	537	4.45	2,155	17.87
Gas	953	9,786	10.26	949	1.00	3,869	4.06	14,605	15.32
Hydel	3,228	-	-	444	0.14	39,679	12.29	40,123	12.43
Imp Coal	490	8,970	18.31	189	0.39	32,151	65.65	41,310	84.35
Thar coal	1,245	19,016	15.27	1,622	1.30	20,952	16.83	41,590	33.40
Nuclear	2,422	4,447	1.84	-	-	38,401	15.85	42,848	17.69
RLNG	1,518	34,904	22.99	986	0.65	13,434	8.85	49,324	32.49
RFO	-	-	-	-	-	6,754	-	6,754	-
Solar	115	-	-	-	-	4,292	37.18	4,292	37.18
Wind	458	-	-	-	-	16,903	36.93	16,903	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	10,550	78,556	7.45	4,375	0.41	176,972	16.77	259,903	24.64
UOSC/MOF/Cost & Losses	322					13,833	1.35	13,833	1.35
Grand Total	10,228	78,556	7.68	4,375	0.43	190,805	18.65	273,737	26.76



16/25

Nat. 7

ANNEX-I

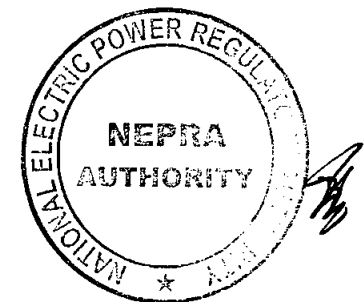
Month wise Projected Power Purchase Price

Projected Power Purchase Price May-25

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	123	1,447	11.77	186	1.52	555	4.51	2,189	17.79
Gas	795	8,082	10.17	762	0.96	3,998	5.03	12,842	16.16
Hydel	4,977	0	0.00	678	0.14	43,552	8.75	44,230	8.89
Imp Coal	-	-	-	-	-	33,223	-	33,223	-
Thar coal	1,342	19,729	14.70	1,710	1.27	21,650	16.13	43,089	32.10
Nuclear	2,503	4,550	1.82	-	-	39,681	15.85	44,231	17.67
RLNG	1,881	43,949	23.37	1,493	0.79	13,882	7.38	59,323	31.54
RFO	466	15,170	32.59	922	1.98	6,979	14.99	23,071	49.56
Solar	108	-	-	-	-	4,032	37.18	4,032	37.18
Wind	771	-	-	-	-	28,462	36.93	28,462	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	12,966	92,927	7.17	5,751	0.44	196,014	15.12	294,692	22.73
UOSC/MOF/Cost & Losses	395					14,794	1.18	14,794	1.18
Grand Total	12,570	92,927	7.39	5,751	0.46	210,808	16.77	309,486	24.62

Projected Power Purchase Price Jun-25

Sources	Generation	Fuel Cost		VO&M		Capacity Charges		Power Purchase Price	
	Mln Units	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh	Mln Rs	Rs/kWh
Bagasse	119	1,406	11.77	181	1.52	537	4.50	2,124	17.78
Gas	1,113	11,147	10.02	1,085	0.98	3,869	3.48	16,101	14.47
Hydel	5,873	0	0.00	800	0.14	43,788	7.46	44,588	7.59
Imp Coal	578	8,456	14.62	386	0.67	32,151	55.60	40,993	70.90
Thar coal	1,536	20,156	13.12	1,952	1.27	20,952	13.64	43,060	28.03
Nuclear	1,443	2,623	1.82	-	-	38,401	26.61	41,024	28.43
RLNG	2,536	58,716	23.15	1,813	0.71	13,434	5.30	73,962	29.16
RFO	471	15,362	32.62	956	2.03	6,754	14.34	23,072	49.00
Solar	108	-	-	-	-	4,031	37.18	4,031	37.18
Wind	809	-	-	-	-	29,876	36.93	29,876	36.93
HSD	-	-	-	-	-	-	-	-	-
Total	14,587	117,865	8.08	7,173	0.49	193,793	13.28	318,831	21.86
UOSC/MOF/Cost & Losses	445					15,763	1.11	15,763	1.11
Grand Total	14,142	117,865	8.33	7,173	0.51	209,556	14.82	334,594	23.66



17/25

Muthu S

Annex - II

XWDISCOs (With K-Electric)

Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	14,894	16,010	13,437	9,876	7,729	7,687	8,232	7,181	8,889	10,228	12,570	14,142	130,876

Rs./kWh

Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.2090
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4785
Capacity	12.2373	11.1227	13.0147	16.6875	20.3482	22.1290	20.7388	21.4076	19.3399	17.3022	15.5932	13.7029	15.9734
UoSC	1.1042	1.0595	1.1586	1.4668	1.7232	1.7837	1.6561	1.7726	1.5690	1.3525	1.1769	1.1146	1.3386
Total PPP in Rs./kWh	23.1486	22.0553	24.5000	28.9514	30.3387	34.9828	36.0113	32.1004	30.6449	26.7626	24.6201	23.6588	26.9995

Rs. in million

Fuel Cost Component	139,286	150,300	131,688	101,480	60,758	81,765	107,100	61,235	82,277	78,556	92,927	117,865	1,205,236
Variable O&M	6,777	7,771	7,068	5,154	3,140	3,334	4,992	2,820	4,267	4,375	5,751	7,173	62,620
Capacity	182,258	178,079	174,875	164,808	157,274	170,113	170,724	153,724	171,912	176,972	196,014	193,793	2,090,547
UoSC	16,446	16,962	15,568	14,487	13,319	13,712	13,633	12,729	13,947	13,833	14,794	15,763	175,193
Total PPP in Rs.Mln	344,766	353,112	329,198	285,929	234,492	268,925	296,449	230,508	272,402	273,737	309,486	334,594	3,533,597

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP

XWDISCOs Without K-Electric

Annex - II

Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	14,025	15,160	12,577	8,798	6,796	6,910	7,474	6,448	7,923	9,278	11,499	12,958	119,846

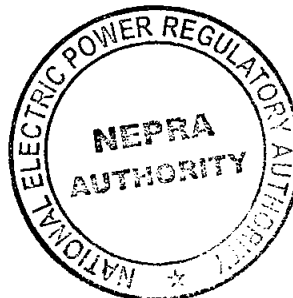
Rs./kWh

Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.2108
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4787
Capacity	12.5031	11.3024	13.3509	17.1907	21.0450	22.7119	21.2833	22.0582	19.9367	17.6196	15.8605	14.0105	16.2916
UoSC	1.1282	1.0766	1.1886	1.5111	1.7822	1.8307	1.6996	1.8264	1.6174	1.3773	1.1971	1.1396	1.3664
Total PPP in Rs./kWh	23.4383	22.2521	24.8661	29.4988	31.0945	35.6127	36.5993	32.8049	31.2901	27.1048	24.9076	23.9914	27.3475

Rs. in million

Fuel Cost Component	131,159	142,321	123,265	90,397	53,423	73,493	97,242	54,989	73,339	71,258	85,005	107,993	1,103,884
Variable O&M	6,381	7,358	6,616	4,591	2,761	2,997	4,533	2,532	3,803	3,968	5,261	6,572	57,373
Capacity	175,352	171,349	167,919	151,236	143,022	156,930	159,080	142,240	157,966	163,474	182,378	181,549	1,952,495
UoSC	15,823	16,321	14,949	13,294	12,112	12,650	12,703	11,778	12,815	12,778	13,765	14,767	163,755
Total PPP in Rs.Mln	328,715	337,349	312,749	259,518	211,318	246,069	273,558	211,539	247,923	251,479	286,408	310,881	3,277,506

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP



18/25

IESCO

Annex - II

Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	2,910	3,392	2,760	1,942	1,485	1,475	1,682	1,454	1,729	1,960	2,538	2,821	26,150

	Rs./kWh												
Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.2181
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4792
Capacity	12.0167	10.8794	12.6990	14.8473	19.9428	21.4827	20.2672	20.6758	18.9982	17.4324	15.8447	13.7377	15.5726
UoSC	1.0843	1.0363	1.1305	1.3051	1.6889	1.7316	1.6184	1.7120	1.5413	1.3626	1.1959	1.1174	1.3049
Total PPP in Rs./kWh	22.9080	21.7888	24.1561	26.9494	29.8989	34.2844	35.5020	31.3080	30.2754	26.9031	24.8906	23.6964	26.5748

	Rs. in million												
Fuel Cost Component	27,215	31,845	27,051	19,960	11,675	15,686	21,886	12,402	16,002	15,051	18,765	23,513	241,050
Variable O&M	1,324	1,646	1,452	1,014	603	640	1,020	571	830	838	1,161	1,431	12,530
Capacity	34,969	36,905	35,050	28,841	29,620	31,682	34,094	30,070	32,845	34,162	40,220	38,757	407,216
UoSC	3,155	3,515	3,120	2,535	2,508	2,554	2,723	2,490	2,665	2,670	3,036	3,152	34,124
Total PPP in Rs.Mln	66,663	73,911	66,673	52,349	44,407	50,562	59,723	45,534	52,342	52,721	63,182	66,853	694,920

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP
IESCO

Annex - II

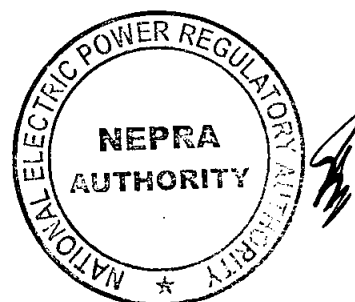
Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	1,449	1,542	1,300	845	704	785	824	644	739	818	1,081	1,347	12,078

	Rs./kWh												
Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.2639
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4797
Capacity	11.3264	11.3102	12.0318	15.1943	16.9593	17.6145	16.6938	16.1083	11.6405	12.0782	14.4291	13.2721	13.5939
UoSC	1.0220	1.0773	1.0711	1.3356	1.4362	1.4198	1.3331	1.3338	0.9443	0.9441	1.0890	1.0795	1.1465
Total PPP in Rs./kWh	22.1554	22.2606	23.4296	27.3269	26.6627	30.1044	31.6433	26.3624	22.3208	21.1303	23.3682	23.1929	24.4840

	Rs. in million												
Fuel Cost Component	13,555	14,478	12,737	8,684	5,530	8,350	10,726	5,492	6,839	6,281	7,992	11,224	111,888
Variable O&M	659	749	684	441	286	340	500	253	355	350	495	683	5,794
Capacity	16,416	17,443	15,637	12,842	11,931	13,828	13,763	10,373	8,601	9,877	15,599	17,875	164,185
UoSC	1,481	1,661	1,392	1,129	1,010	1,115	1,099	859	698	772	1,177	1,454	13,848
Total PPP in Rs.Mln	32,111	34,331	30,450	23,096	18,757	23,633	26,089	16,977	16,493	17,280	25,263	31,236	295,715

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP

Math 9



19/25

GEPCO

Annex - II

Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	1,438	1,614	1,333	833	657	661	670	579	755	874	1,119	1,323	11,858
Rs./kWh													
Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.1999
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4791
Capacity	12.6605	11.2169	13.6217	19.5589	17.5315	22.8012	22.2922	21.3101	21.2698	19.1727	16.1398	13.3055	16.2879
UoS	1.1424	1.0684	1.2127	1.7192	1.4847	1.8379	1.7801	1.7645	1.7255	1.4987	1.2182	1.0822	1.3688
Total PPP in Rs./kWh	23.6099	22.1583	25.1610	32.0752	27.2833	35.7092	37.6888	31.9949	32.7313	28.7794	25.2079	23.2290	27.3357

Rs. in million

Fuel Cost Component	13,444	15,152	13,065	8,560	5,164	7,034	8,723	4,934	6,993	6,714	8,274	11,030	109,088
Variable O&M	654	783	701	435	267	287	407	227	363	374	512	671	5,681
Capacity	18,200	18,105	18,159	16,295	11,516	15,079	14,946	12,330	16,069	16,761	18,065	17,609	193,135
UoS	1,642	1,724	1,617	1,432	975	1,215	1,194	1,021	1,304	1,310	1,363	1,432	16,230
Total PPP in Rs.Mln	33,940	35,765	33,542	26,722	17,923	23,616	25,269	18,512	24,728	25,160	28,214	30,743	324,134

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP
FESCO

Annex - II

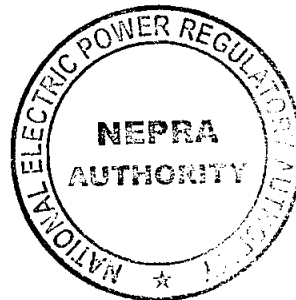
Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	1,969	2,141	1,751	1,279	921	882	950	883	1,097	1,277	1,627	1,790	16,568
Rs./kWh													
Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.1889
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4785
Capacity	12.0764	10.6149	13.2602	16.4211	24.7849	24.7268	19.6858	24.1308	20.6239	17.5497	16.6781	13.8381	16.4368
UoS	1.0897	1.0111	1.1805	1.4434	2.0990	1.9931	1.5720	1.9981	1.6731	1.3718	1.2588	1.1256	1.3776
Total PPP in Rs./kWh	22.9731	21.4990	24.7673	28.6615	35.1510	37.7900	34.8743	35.0492	32.0330	27.0295	25.7869	23.8050	27.4819

Rs. in million

Fuel Cost Component	18,417	20,100	17,165	13,144	7,240	9,382	12,357	7,529	10,155	9,811	12,028	14,917	152,246
Variable O&M	896	1,039	921	667	374	383	576	347	527	546	744	908	7,929
Capacity	23,783	22,728	23,225	21,005	22,827	21,811	18,697	21,304	22,627	22,419	27,136	24,769	272,331
UoS	2,146	2,165	2,068	1,846	1,933	1,758	1,493	1,764	1,836	1,752	2,048	2,015	22,824
Total PPP in Rs.Mln	45,242	46,032	43,379	36,663	32,375	33,334	33,123	30,944	35,144	34,529	41,956	42,608	455,330

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP

Handwritten signature/initials



Handwritten date: 20/25

MEPCO

Annex - II

Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	2,582	2,751	2,278	1,630	1,086	964	1,070	1,006	1,266	1,707	2,102	2,275	20,716

	Rs./kWh												
Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.1549
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4786
Capacity	12.3136	10.8613	13.3913	16.8544	21.7507	28.2196	24.0943	24.0220	23.7653	17.5107	15.9001	14.4575	16.7356
UoSC	1.1111	1.0345	1.1922	1.4815	1.8420	2.2747	1.9240	1.9891	1.9280	1.3688	1.2001	1.1759	1.4034
Total PPP in Rs./kWh	23.2317	21.7689	24.9100	29.1329	31.8599	41.5643	39.6348	34.9313	35.4293	26.9874	24.9501	24.4748	27.7725

	Rs. in million												
Fuel Cost Component	24,147	25,822	22,325	16,748	8,539	10,251	13,917	8,582	11,714	13,112	15,536	18,960	189,653
Variable O&M	1,175	1,335	1,198	851	441	418	649	395	607	730	962	1,154	9,915
Capacity	31,794	29,875	30,504	27,472	23,627	27,196	25,774	24,175	30,076	29,894	33,417	32,890	346,694
UoSC	2,869	2,846	2,716	2,415	2,001	2,192	2,058	2,002	2,440	2,337	2,522	2,675	29,072
Total PPP in Rs.Mln	59,985	59,878	56,744	47,485	34,608	40,057	42,398	35,154	44,837	46,072	52,437	55,679	575,334

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP
PESCO

Annex - II

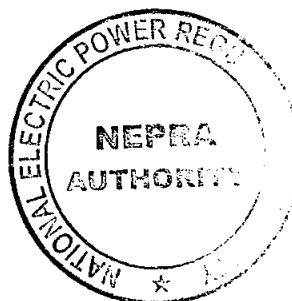
Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	1,789	1,823	1,541	986	893	1,027	1,179	945	1,087	1,154	1,313	1,588	15,323

	Rs./kWh												
Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.2846
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4789
Capacity	12.1148	10.1569	11.8556	16.0352	18.3097	18.5969	18.5904	19.0681	16.7782	16.6504	12.7250	12.4402	14.5887
UoSC	1.0932	0.9675	1.0555	1.4095	1.5506	1.4990	1.4845	1.5789	1.3612	1.3015	0.9604	1.0119	1.2236
Total PPP in Rs./kWh	23.0150	20.9974	23.2376	28.2418	28.1275	31.1660	33.6914	29.5672	27.8753	26.0599	21.5354	22.2934	25.5758

	Rs. in million												
Fuel Cost Component	16,734	17,112	15,099	10,134	7,016	10,926	15,334	8,055	10,066	8,861	9,703	13,231	142,272
Variable O&M	814	885	810	515	363	446	715	371	522	493	601	805	7,339
Capacity	21,678	18,514	18,265	15,815	16,343	19,104	21,912	18,011	18,246	19,210	16,703	19,750	223,549
UoSC	1,956	1,763	1,626	1,390	1,384	1,540	1,750	1,491	1,480	1,502	1,261	1,606	18,750
Total PPP in Rs.Mln	41,182	38,274	35,799	27,854	25,106	32,015	39,711	27,928	30,314	30,066	28,267	35,392	391,910

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP

Math. 7



21/25

HESCO

Annex - II

Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	612	576	521	457	313	273	270	251	371	470	555	579	5,247

	Rs./kWh												
Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.1318
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4774
Capacity	16.0286	15.2748	19.3016	22.6180	28.7315	30.3892	35.9547	31.2783	25.7639	23.5215	19.5765	17.3454	21.9847
UoSC	1.4463	1.4549	1.7183	1.9881	2.4332	2.4496	2.8711	2.5899	2.0901	1.8386	1.4775	1.4108	1.8406
Total PPP in Rs./kWh	27.2820	26.6028	31.3465	35.4032	39.4319	43.9089	52.4423	42.7885	37.5900	33.4681	28.9040	27.5975	33.4345

	Rs. in million												
Fuel Cost Component	5,720	5,404	5,109	4,694	2,460	2,906	3,517	2,139	3,431	3,611	4,101	4,825	47,917
Variable O&M	278	279	274	238	127	118	164	98	178	201	254	294	2,505
Capacity	9,804	8,794	10,062	10,333	8,991	8,302	9,718	7,844	9,550	11,059	10,860	10,042	115,359
UoSC	885	838	896	908	761	669	776	650	775	864	820	817	9,658
Total PPP in Rs.Mln	16,687	15,315	16,341	16,173	12,339	11,995	14,175	10,731	13,934	15,736	16,035	15,978	175,439

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP
QESCO

Annex - II

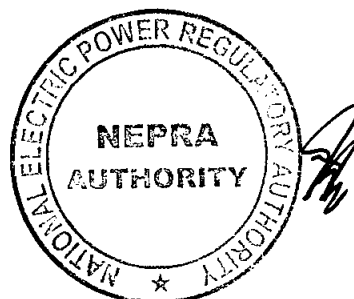
Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	629	654	523	409	425	549	469	409	505	544	591	616	6,323

	Rs./kWh												
Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.2479
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4754
Capacity	13.9519	12.9720	15.0273	23.6366	24.6742	19.6092	19.9768	23.6524	19.1093	16.3449	15.6524	14.4328	17.6752
UoSC	1.2589	1.2356	1.3378	2.0777	2.0896	1.5806	1.5952	1.9585	1.5503	1.2776	1.1814	1.1739	1.4792
Total PPP in Rs./kWh	25.0178	24.0806	26.6918	36.5113	35.0310	32.2599	35.1885	34.5311	30.3956	25.7305	24.6837	24.4481	28.8778

	Rs. in million												
Fuel Cost Component	5,881	6,141	5,129	4,198	3,343	5,840	6,105	3,485	4,674	4,182	4,370	5,132	58,479
Variable O&M	286	318	275	213	173	238	285	160	242	233	270	312	3,006
Capacity	8,773	8,486	7,864	9,657	10,493	10,766	9,373	9,666	9,650	8,899	9,253	8,888	111,769
UoSC	792	808	700	849	889	868	749	800	783	696	698	723	9,354
Total PPP in Rs.Mln	15,732	15,754	13,969	14,917	14,898	17,711	16,511	14,112	15,350	14,010	14,591	15,055	182,608

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP

Handwritten signature



22/25

SEPCO

Annex - II

Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	526	541	448	299	191	168	200	166	246	353	445	502	4,084

Rs./kWh

Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.1128
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4793
Capacity	12.7405	13.5087	13.4321	17.4308	19.1267	28.5019	28.2871	24.1664	22.3424	18.8168	16.0885	15.0339	17.1816
UoSC	1.1496	1.2867	1.1958	1.5322	1.6198	2.2974	2.2589	2.0010	1.8126	1.4708	1.2143	1.2228	1.4425
Total PPP in Rs./kWh	23.6972	24.6684	24.9546	29.7601	29.0136	41.8694	44.1624	35.0877	33.8909	28.3956	25.1528	25.0981	28.2161

Rs. in million

Fuel Cost Component	4,920	5,075	4,389	3,072	1,500	1,785	2,598	1,414	2,273	2,714	3,290	4,186	37,216
Variable O&M	239	262	236	156	78	73	121	65	118	151	204	255	1,957
Capacity	6,703	7,302	6,015	5,212	3,650	4,782	5,648	4,008	5,487	6,649	7,161	7,551	70,167
UoSC	605	696	536	458	309	385	451	332	445	520	540	614	5,891
Total PPP in Rs.Mln	12,468	13,335	11,175	8,898	5,536	7,025	8,818	5,819	8,323	10,033	11,195	12,606	115,231

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP
TESCO

Annex - II

Description	July	August	September	October	November	December	January	February	March	April	May	June	Total
Units Purchased by DISCOs (GWh)	120	127	122	117	121	125	160	112	129	120	128	117	1,499

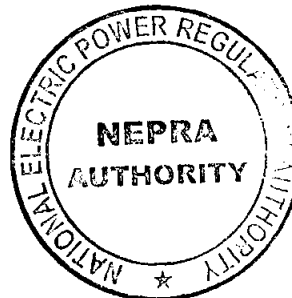
Rs./kWh

Fuel Cost Component	9.3520	9.3877	9.8006	10.2752	7.8609	10.6364	13.0100	8.5276	9.2560	7.6803	7.3925	8.3341	9.3899
Variable O&M	0.4550	0.4854	0.5260	0.5218	0.4063	0.4337	0.6064	0.3927	0.4800	0.4277	0.4575	0.5072	0.4786
Capacity	26.8390	25.2019	25.7044	32.1777	33.1223	34.9326	32.2312	39.6776	37.4036	37.8661	31.0232	29.1907	32.0785
UoSC	2.4218	2.4005	2.2883	2.8284	2.8050	2.8158	2.5738	3.2854	3.0344	2.9599	2.3415	2.3743	2.6709
Total PPP in Rs./kWh	39.0679	37.4754	38.3194	45.8032	44.1945	48.8184	48.4215	51.8832	50.1740	48.9340	41.2147	40.4063	44.6179

Rs. in million

Fuel Cost Component	1,126	1,191	1,196	1,203	955	1,333	2,080	958	1,191	922	945	976	14,076
Variable O&M	55	62	64	61	49	54	97	44	62	51	58	59	717
Capacity	3,233	3,197	3,137	3,766	4,024	4,379	5,153	4,458	4,814	4,544	3,964	3,418	48,088
UoSC	292	305	279	331	341	353	411	369	391	355	299	278	4,004
Total PPP in Rs.Mln	4,706	4,754	4,677	5,361	5,369	6,120	7,741	5,830	6,458	5,872	5,266	4,731	66,886

It is clarified that PPP is pass through for all the DISCOs and its monthly references would continue to exist irrespective of the financial year, unless the new SOT is revised and notified by the GoP



23/25

FUEL PRICE ADJUSTMENT MECHANISM

Actual variation in fuel cost component against the reference fuel cost component for the corresponding months will be determined according to the following formula

$$\text{Fuel Price variation} = \text{Actual Fuel Cost Component} - \text{Reference Fuel Cost Component}$$

Where:

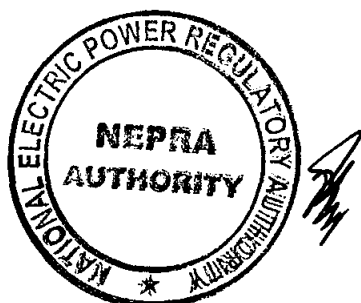
Fuel Price variation is the difference between actual and reference fuel cost component

Actual fuel cost component is the fuel cost component in the pool price on which the DISCOs will be charged by CPPA (G) in a particular month; and

Reference fuel cost component is the fuel cost component for the corresponding month projected for the purpose of tariff determination as per Annex-IV of the determination;

The fuel price adjustment determined by the Authority shall be shown separately in the bill of the consumer and the billing impact shall be worked out on the basis of consumption by the consumer in the respective month.

M. S. S.



QUARTERLY ADJUSTMENT MECHANISM

Quarterly adjustment shall be the Actual variation in Power Purchase Price (PPP), excluding Fuel Cost Component, against the reference Power Purchase Price component and the impact of T&D losses on FCA, for the corresponding months and shall be determined according to the following formula;

$$\text{Quarterly PPP}_{(Adj)} = \text{PPP}_{(Actual)} \text{ (excluding Fuel cost)} - \text{PPP}_{(Recovered)} \text{ (excluding Fuel cost)}$$

Where;

PPP_(Actual) is the actual cost, excluding Fuel cost, invoiced by CPPA-G to XWDISCOs, adjusted for any cost disallowed by the Authority.

PPP_(Recovered) is the amount recovered based on reference rate in Rs./kWh, excluding fuel cost, as per the Annex-IV of the XWDISCOs determination that remained notified during the period.

Impact of T&D losses on FCA

$$= \text{Monthly FCA allowed}_{(Rs./kWh)} \times \text{Actual units Purchase} \times \% \text{ T\&D losses}$$

Where;

Monthly FCA allowed _(Rs./kWh) is the FCA allowed by the Authority for the respective months of the concerned period.

T&D Loss % is percentage of T&D losses that remained notified during the period.

The sum of amounts so worked for each month of the Quarter shall be divided by the Projected units to be sold as determined by the Authority to work out Rs./kWh Quarterly adjustment.

