



# National Electric Power Regulatory Authority Islamic Republic of Pakistan

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Registrar

No. NEPRA/R/TRF-100/MFPA/2795-10

February 16, 2023

1. Chief Executive Officer, Faisalabad Electric Supply Company Abdullahpur, Canal Bank Road Faisalabad	2. Chief Executive Officer, Gujranwala Electric Power Company Ltd. 565/A, Model Town, G.T. Road, Gujranwala
3. Chief Executive Officer, Hyderabad Electric Supply Co. Ltd. WAPDA Offices Complex, Hussainabad, Hyderabad	4. Chief Executive Officer Islamabad Electric Supply Co. Ltd. Street # 40, Sector G-7/4, Islamabad.
5. Chief Executive Officer, Lahore Electric Supply Company Ltd. 22-A, Queens Road, Lahore	6. Chief Executive Officer Multan Electric Power Co. Ltd. MEPCO Headquarter, Khanewal Road, Multan
7. Chief Executive Officer, Peshawar Electric Supply Company WAPDA House, Shami Road, Sakhi Chashma, Peshawar	8. Chief Executive Officer Quetta Electric Supply Company Zarghoon Road, Quetta
9. Chief Executive Officer, Sukkur Electric Power Company Ltd. Administration Block, Thermal Power Station, Old Sukkur.	10. Chief Executive Officer Tribal Areas Electricity Supply Company Limited (TESCO) Room No. 213, 1 <sup>st</sup> Floor, WAPDA House, Shami Road, Sakhi Chashma, Peshawar

Subject: **Decision of the Authority in the matter of Fuel Charges Adjustment for the month of December 2022 for XWDISCOs along with Notification Thereof**

Enclosed please find herewith copy of the Decision of the Authority along with Additional Note of Mr. Tauseef H. Farooqi, Chairman NEPRA and Mr. Rafique Ahmed Shaikh, Member NEPRA (total 12 Pages) regarding adjustment in fuel charges in respect of Ex-WAPDA Distribution Companies for the month of December 2022 and its Notification i.e. S.R.O. 183(I)/2023 dated 16.02.2023.

2. XWDISCOs are directed that while charging the fuel charges adjustment from their consumers, the Order of the Honourable Court(s), if any, be kept in mind and ensure compliance with the Order(s) of the Court(s), whatsoever, in this regard. In case of non-compliance of Courts Order the concerned DISCO shall be held responsible for violating / defying the orders of the Honourable Court(s).

Enclosure: As above (Decision alongwith Notification is also available on NEPRA's website)

  
( Engr. Mazhar Iqbal Ranjha )

CC:

1. Secretary, Ministry of Energy (Power Division), 'A' Block, Pak Secretariat, Islamabad.
2. Secretary, Cabinet Division, Cabinet Secretariat, Islamabad.
3. Secretary, Ministry of Finance, 'Q' Block, Pak Secretariat, Islamabad.
4. Member (Power), WAPDA, WAPDA House, Shahrah-e-Quaid-e-Azam, Lahore.
5. Managing Director, NTDC, 414 WAPDA House, Shahrah-e-Quaid-e-Azam, Lahore.
6. Chief Executive Officer, Central Power Purchasing Agency Guarantee Limited, Shaheen Plaza, 73-West, Fazl-e-Haq Road, Islamabad.

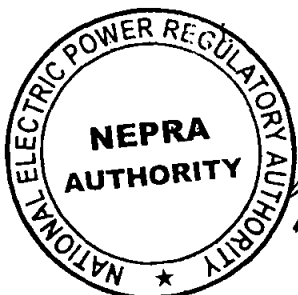


**DECISION OF THE AUTHORITY IN THE MATTER OF FUEL CHARGES ADJUSTMENT  
FOR THE MONTH OF DECEMBER 2022 FOR EX-WAPDA DISCOS**

1. Pursuant to the provisions of Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act 1997, (NEPRA Act) read with the mechanism/formula determined by the Authority in the tariff determinations for Ex-WAPDA DISCOs notified in the Official gazette, the Authority has to make adjustments in the approved tariff on account of any variations in the fuel charges on a monthly basis.
2. In order to make adjustments in the approved tariff of the Ex-WAPDA DISCOs due to variations in the fuel charges for the month of December 2022, necessary information as to the details of the actual fuel charges etc. was obtained from Central Power Purchasing Agency Guarantee Limited (CPPA-G).
3. The Authority has reviewed the information provided by CPPA-G seeking monthly fuel cost adjustment (FCA) and due diligence is done accordingly. From perusal of the information so provided by CPPA-G, the actual pool fuel cost for the month of December 2022 is Rs.7.1198/kWh, against the reference fuel cost component of Rs.9.3193/kWh as indicated in the Annexure-IV of the notified consumer-end tariff of Ex-WAPDA DISCOs for the FY 2022-23. The actual fuel charges, as reported by CPPA-G, for the month of December 2022 decreased by Rs.2.1995/kWh (**Annex-I**) as compared to the reference fuel charges.
4. Notwithstanding the fact that the monthly adjustment on account of fuel charges variation is made in pursuance of the provisions of section 31(7) of the NEPRA Act, as well as on the basis of a mechanism/formula already determined by the Authority in its annual tariff determinations for Ex-WAPDA DISCOs, yet in order to meet the ends of natural justice and to arrive at an informed decision, the Authority decided to conduct a hearing in the matter. The advertisement for hearing along-with salient features and details of the proposed adjustments, in the approved tariff, were published in newspapers on January 19, 2023 and also uploaded on NEPRA's Website for information of all concerned stakeholders.
5. The Authority conducted the hearing in the matter on January 30, 2023 at NEPRA Tower, Ataturk Avenue (East), G-5/1, Islamabad through zoom. The date of hearing was mentioned in the advertisement published in newspapers and also uploaded on NEPRA's website, whereby participation in the hearing and filing of comments/ objections from any interested/affected person were invited. Separate notices were also sent to the interested / affected parties.
6. On the date fixed for hearing, representatives from CPPA-G, National Power Control Center (NPCC)/NTDC, Media and General Public were present. However, no representation was made from WAPDA Power Privatization Organization (WPPO), Sui Southern Gas Company Limited (SSGCL), Sui Northern Gas Pipelines Limited (SNGPL) and Ministry of Finance despite serving the hearing notice.
7. The Authority observed that while submitting the monthly FCA request, CPPA-G and NTDC/NPCC certifies that;

a) **2002 Power Policy Plants**

All purchases have been made from Generation Companies having valid generation License issued by NEPRA.



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- ii. Invoices of all Electricity Purchases have been processed in accordance with the rates, terms & conditions as determined by NEPRA. Payments related to periodical adjustments are also made as per decision of NEPRA.
- iii. The above statement is true, based on facts and from verifiable documentary evidence. In case of any deviation / variation observed if not rectified at later stage, CPPA-G will be responsible for the consequences arising out of any misstatement under NEPRA Act and its Rules & Regulations.

**b) 1994 Power Policy Plants**

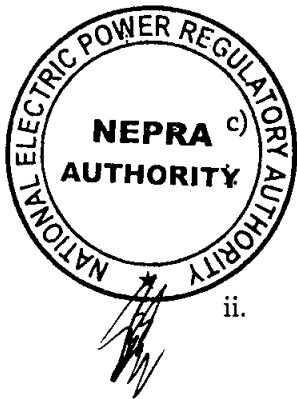
- i. All purchases have been made from IPPs under 1994 Policy, including HUBCO, KAPCO & Chasnupp and excluding Tavanir, having valid generation license issued by NEPRA.
- ii. Invoices of all Electricity Purchases have been made strictly in accordance with the rates, terms & conditions as stipulated in the respective Power Purchase Agreements.
- iii. All payments to IPPs are being made after observing all formalities provided in the respective Power Purchase Agreements.
- iv. All purchases have been made in accordance with the Power Purchase Agreement
- v. The above statement is true, based on facts and from verifiable documentary evidences. In case of any deviation / variation observed if not rectified at later stage, CPPA-G will be responsible for the consequences arising out of any misstatement under NEPRA Act and its Rules & Regulations.

**c) Power Plants Operations**

It is certified that Merit Order was followed as defined under section 2(I)(x) of the NEPRA Licensing (Generation) Rules, 2000, while operating power plants in its fleet during month of December 2022.

- ii. Claimed Partial Loading Adjustment charges (PLAC) was not due to fuel constraints but was strictly in accordance with the provision of their respective Power Purchase Agreement and the plants were operated on partial load due to less demand in the system and transmission/distribution network constraints .

8. Accordingly for the purpose of instant FCA, the information along-with certification given by CPPA-G has been relied upon. In case of any variation, error, omission or misstatement found out at a later stage, CPPA-G shall be responsible and the same would adjusted in the subsequent monthly fuel charges adjustment.
9. The Authority observed that CPPA-G has purchased energy of 39.85 GWh from Tavanir Iran in December 2022 at a cost of Rs.859 million, however, contract between CPPA-G and Tavanir Iran for import of Power up-to 104 MW has expired on December 31, 2021. In view thereof, the cost of electricity purchased from Tavanir Iran is being allowed strictly on provisional basis, subject to its adjustment once the Authority decides the extension in the contract between CPPA-G and Tavanir Iran or otherwise. The cost being allowed on provisional basis is to avoid piling up of the cost and one time burdening of the consumers in future.
10. CPPA-G also claimed negative amount of Rs.611 million as previous adjustment. However, subsequently, CPPA-G vide email submitted that the Previous Adjustment





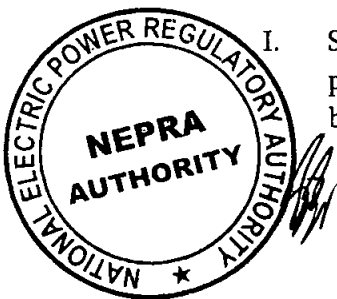
of negative amount of Rs.65.4 million claimed for Lucky Electric Power Company Limited was classified as fuel cost instead of VO&M in the claim due to classification error and the claim was revised as negative Rs.545.6 million on account of previous adjustment.

11. Regarding Adjustment of Rs.23 million for GENCO-III, upon inquiry CPPA-G submitted that the adjustment is on account of partial load. Since the claim requires verification, therefore, the claimed cost is not being considered while working out the instant FCA calculation. The Authority may consider the same once it is verified.
12. For the remaining previous adjustments claims the same have been verified and accordingly considered while working out the instant Monthly Fuel Charges adjustment. A summary of the amounts claimed by CPPA-G and being allowed by the Authority is as under;

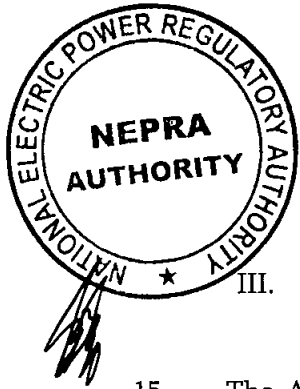
Power Producer	Prev. Adj. Claimed by CPPA-G Rs.	Prev. Adj. Allowed Rs.	Deduction
Attock-Gen	9,779,715	9,779,715	-
Atlas Power	(16,862,470)	(16,862,470)	-
Nishat Power	9,211,484	9,211,484	-
Foundation Power	(833,070)	(833,070)	-
Nishat Chunian	(51,954,812)	(51,954,812)	-
Engro Energy	(4,388,970)	(4,388,970)	-
Saphire Power	(40,825,676)	(40,825,676)	-
Hubco Narowal	(5,554,797)	(5,554,797)	-
Liberty Power	3,562,530	3,562,530	-
Halmore	(140,008,801)	(140,008,801)	-
Engro PowerGen Thar TPS	(980,318)	(980,318)	-
QATPL	(218,348,766)	(218,348,766)	-
Haveli Bahadur Shah	(78,509,223)	(78,509,223)	-
Huaneng Shandong Ruyi Energy (Pvt) Ltd	232,215,460	232,215,460	-
Baloki	(244,195,641)	(244,195,641)	-
Port Qasim	223,870,228	223,870,227	-
Lucky Electric Power Company Limited	(1,696,864)	(1,696,864)	-
Thar Energy Limited	210,261,390	210,261,390	-
Tavanir Iran	(43,232,580)	(43,232,580)	-
GENCO-II ***	(409,672,644)	(409,672,644)	-
GENCO-III ***	22,976,015	-	(22,976,015)
Total	(545,669,339)	(568,645,356)	(22,976,015)

13. As per the data submitted by CPPA-G, XWDISCOs purchased 2.17 GWh from Captive Power Plants (CPPs) during December 2022, for which CPPA-G provided actual details of energy purchased from these plants. According to the details provided by CPPA-G, the actual fuel cost of this energy is Rs.7.14 million. The same being as per the NEPRA approved mechanism, has been considered while working out the FCA of December 2022.
14. During the hearing, the Authority also observed that energy from costlier RFO based power plants was generated to the tune of over Rs.1,003 million, during the month of December 2022. The Authority has been directing NPCC/NTDC & CPPA-G repeatedly to provide complete justification in this regard, to the satisfaction of the Authority and submit complete details for deviation from Economic Merit Order (EMO), showing hourly generation along-with the financial impact for deviation from EMO, if any, and the reasons, thereof. The Authority also directed CPPA-G/NPCC/NTDC in the previous monthly FCA decisions, as under;

- I. System Operator shall report to CPPA-G, within 24 hours, dispatch of generation plant(s) out of merit order along with reasons thereof. The copy of the report shall be sent to NEPRA simultaneously.



*[Handwritten signature]*



- II. CPPA-G shall scrutinize the above mentioned dispatch report in terms of Scheduling and Dispatch Code (SDC) of Grid Code and prepare a report which shall comprise of;
- all dispatch deviation from merit order;
  - the plants available but not dispatched ; and
  - Dispatch deviation justified or unjustified in terms of SDC of Grid Code along-with their financial impact.
- III. CPPA-G shall share the report with the system operator and also submit it to NEPRA at the time of filing of monthly fuel price adjustment request.
15. The Authority observed that the required data/information was submitted by CPPA-G along-with the monthly FCA data of December 2022, however, the same was not as per the requirements of the Authority. Accordingly, CPPA-G was directed to submit that the report as per the desired format for consideration of the Authority.
16. It was observed that during December 2022, the System Operator had curtailed the drawl of energy from Thar Energy Projects i.e. Thar Energy Limited and Engro Power Thar Limited during certain hours, which resulted in out of merit generation from expensive/inefficient power plants. NEPRA observed that curtailment of economical Thar energy projects led to a financial impact of Rs.587.86 million. The Authority, during the hearing, directed NTDC professionals to conduct a meeting with the relevant professionals of NEPRA and provide their clarifications/justifications for curtailment of load. Accordingly, a meeting was held with the relevant professionals of NTDC and NPCC, however, no solid justifications have been provided by NTDC regarding the resolution of the abovementioned system constraint. Accordingly, the amount of Rs.587.86 million has been withheld from the claim of CPPA-G for the month of December 2022.
17. As per the data of FCA for December 2022, submitted by CPPA-G, AL-Noor Sugar Mills Limited (ANSML) supplied 1.18 GWh to SEPCO at a cost of Rs. 7.14 million based on the Authority's approved rate of Rs.6.04/kWh. CPPA-G included the energy & cost of electricity supplied by ANSM as part of overall pool cost. The Authority, however, while approving the Power Acquisition Contract (PAC) filed by Sukkur Electric Power Company Ltd. (SEPCO) for Purchase of 8 MW from ANSML under NEPRA Interim Power Procurement (Procedures and Standards) Regulations 2005, decided that since the power acquisition contract is signed between ANSML and SEPCO, therefore, the costs must be accounted for in the basket of SEPCO instead of CPPA-G.
18. The Authority understands that by accounting for the energy and cost of electricity supplied by ANSML in SEPCO basket only would result in different FCAs for SEPCO and the rest of XWDISCOs. Considering the fact that monthly FCA is being made under a Uniform Tariff regime, and a uniform tariff for all XWDISCOs was notified by the Federal Government vide SRO dated 25.07.2022, the Authority has decided to deliberate this issue in detail with the stakeholders. Accordingly a discussion meeting was scheduled on 06.02.2023, to discuss the modalities for treatment of cost & energy of ANSML and for any such future bilateral contracts by DISCOs but was adjourned on the request of Ministry of Energy and CPPA-G. The same has now been re-scheduled on 09.02.2023. Meanwhile, in order to ensure that the consumers get the benefit of the negative FCA in time, in line with the decision of the honorable Supreme Court of Pakistan dated May 02, 2018, the Authority has decided to

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provisionally account for the energy and cost of Al-Noor Sugar Mills as part of CPPA-G basket for the month of December 2022, as per the request of CPPA-G. A final decision in the matter would be taken considering the comments of stakeholders after the discussion meeting, and any adjustment if required will be made in the subsequent monthly FCAs of XWDISCOs.

19. In view of the above discussion, the Authority has calculated the fuel cost for the month of December 2022, after accounting for the aforementioned adjustments, and including costs arising out due to application of various factors, as provided in the respective PPAs of the Power Producers and claimed by CPPA-G in its FCA request. Here it is pertinent to mention that the amount arising out due to application of PPA factors, for the six RFO based IPPs, incorporated under 2002 Power Policy, is being allowed on provisional basis and shall be subject to adjustment, based on the final outcome of the ongoing *suo moto* proceedings against RFO based IPPs.
20. NTDC, reported provisional T&T losses of 245.806 GWh i.e. 2.736%, based on energy delivered on NTDC system during December 2022. NTDC in addition also reported T&T losses of 34.041 GWh i.e. 2.597%, for PMLTC (HVDC) line.
21. NTDC is allowed T&T losses of 2.639% only at 500KV and 220 KV network, while PMLTC (HVDC) is allowed T&T losses of maximum up-to 4.3%.
22. Accordingly, for the month of December 2022, T&T losses of 245.806 GWh being within in the allowed limit on accumulative basis have been verified for NTDC system only at 500KV and 220 KV network. Regarding PMLTC (HVDC), the claimed T&T losses i.e. 34.041 GWh, being within the Authority's allowed limit have also considered while working out the FCA of December 2022.
23. The Authority hereby directs CPPA-G to provide the Technically/financially verified data of each generation company pertaining to previous month along-with its next monthly FCA request, in order to ensure that any required adjustments are made in a timely manner.
24. The Petitioner in its request has also included 9.9 GWh at the price of Rs.19.32/kWh for the Net Metering units procured during December 2022. The Authority has considered this amount as part of the FCA for the month of December 2022. However, it is more appropriate that the amount be considered as part of the Capacity cost instead of monthly FCAs. In view of the above, the Authority hereby directs CPPA-G to only include the units of Net Metering in its monthly FCA and the cost thereof be included as part of Capacity costs w.e.f. January 2023.
25. The Authority, after incorporating the aforementioned adjustments, has reviewed and assessed a decrease of (Rs.2.3166/kWh) (Annex-II) in the applicable tariff for XWDISCOs on account of variations in the fuel charges for the month of December 2022 as per the following details:

Actual Fuel Charge Component for December 2022	Rs.7.0027/kWh
Corresponding Reference Fuel Charge Component	Rs.9.3193/kWh
Fuel Price Variation for the month of December 2022-Decrease	(Rs.2.3166/kWh)



26. In view of the aforementioned, the Authority has decided that adjustment as referred above;
- Shall be applicable to all the consumer categories except lifeline consumers, domestic consumers consuming up-to 300 units, Electric Vehicle Charging Stations (EVCS) and Agriculture Consumers of all the XWDISCOs. It is hereby clarified that negative adjustment on account of monthly FCA is also applicable to the domestic consumers having Time of Use (ToU) meters irrespective of their consumption level.
  - Shall be shown separately in the consumers' bills on the basis of units billed to the consumers in the month of December 2022.
  - XWDISCOs shall reflect the fuel charges adjustment in respect of December 2022 in the billing month of February 2023;
  - While effecting the Fuel Adjustment Charges, the concerned XWDISCOs shall keep in view and strictly comply with the orders of the courts notwithstanding this order.

AUTHORITY

*Mathar Niaz Rana*

Mathar Niaz Rana (nsc)  
Member

*My additional note is attached*  
*Rafique Ahmed Shaikh*

Rafique Ahmed Shaikh  
Member

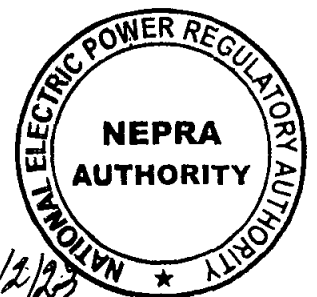
*Engr. Maqsood Anwar Khan*

Engr. Maqsood Anwar Khan  
Member

Ms. Amina Ahmed  
Member

*Tauseef H. Farooqi*  
Chairman

*\* My additional note attached.*

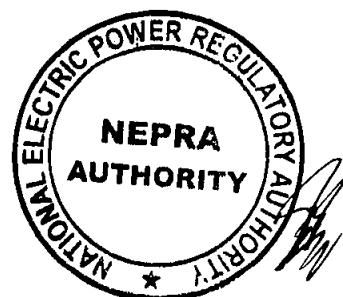


**Additional Note – FCA of XWDISCOs for December 2022**

1. On the point raised by worthy Member (Technical) regarding lower utilization of efficient RLNG plants of QATPL, HBS and Balloki, the utilization factor has been worked out based on generation for the entire month, assuming 100% utilization of the dependable capacity of each plant for the entire month. I am of the considered view that utilization of each plant needs to be seen on hourly basis, keeping in view the Grid System stability as per the varying demand patterns, scheduled/ forced outages of the plants, fuel availability, grid code requirements etc.
2. As explained by NPCC, the base load power plants are operated on part load as these plants can be ramped up or ramped down with the grid in minimum possible time, keeping in view the changing load patterns, and helps mitigate the impact of intermittencies of the renewable energy as well. Therefore, impact of part load charges needs to be analyzed in their own peculiar context.
3. When I took over as Chairman NEPRA, during my very first FCA hearing, it was noted that NPCC was not doing its job in the most professional manner. Accordingly, NEPRA M&E department was directed to analyze the operation of power plants in compliance to Merit Order on three grounds;
  - i. Underutilization of power plants
  - ii. Transmission System constraints and
  - iii. Fuel shortage (especially RLNG).
4. The financial impact due to "Underutilization of efficient power plants" and "System Constraints" is being deducted from day one in the monthly FCA determination. As mentioned at para 16 of the instant decision, an amount of around Rs.588 million has been deducted for the month of Dec. 2022 and up-till Dec. 2022, a total amount of around Rs.19.5 billion has been withheld under above two heads.
5. However, impact due to RLNG shortage had not been deducted as procurement and allocation of RLNG is made by Petroleum division keeping in view its sectorial priorities. NPCC always maintains that they raise their demand for RLNG well within the stipulated time as agreed with Petroleum division through Power Division. Since NEPRA is the Regulator of Power Sector bearing no regulatory control over petroleum division, it is not within the rights of NEPRA to penalize Petroleum Division for not purchasing RLNG or not allocating the quantities as demanded by NPCC. Moreover, it is not professionally justified to penalize NPCC for not receiving the demanded quantities of RLNG from Petroleum division. Therefore, the Authority chose not to penalize NPCC for something which is not a failure on their part. However, the Authority being cognizant of the matter has already issued advisories to the Ministry of Energy, Power Division, to take up the matter with Petroleum Division for allocation of required quantities of RLNG to power sector on an expeditious manner so as to protect the consumers for any differential cost arising due to unavailability of RLNG.



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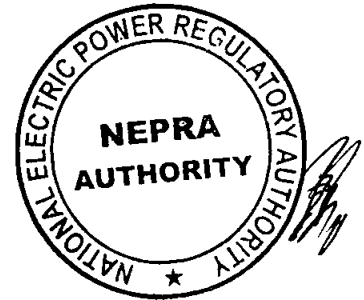
**Additional Note - Fuel Charges Adjustment of XWDISCOs for the month of December, 2022:**

The three most efficient RLNG power plants in Pakistan Power Sector are the Quaid-e-Azam Thermal Power Plant (QATPL), two power plants of National Power Parks Management Company Limited at Haveli Bahadur Shah (HBS) and Baloki; efficiency of these power plants is above 61%. The utilization factors of these three most efficient RLNG power plants were; QATPL around (13.86%), HBS around (80.88%) and Baloki around (26.61%) during the month of December, 2022. It is noted that the accumulated claim by these power plants against part load operation during the above month is Rs. 1.561 billion. The full utilization of these power plants could minimize the load shedding on one hand while on the other hand it could help avoid part load charges of Rs 1.561 billion.

2. As per the data submitted by NPCC, the average RLNG allocated to power sector during the month of December, 2022 was 242 MMCFD against a demand of 400 MMCFD which resulted in indicative financial impact of Rs. 77.84 Million during the aforesaid month. Efforts should be made to improve the supply chain of RLNG to fully utilize the most efficient RLNG power plants and avoid the part load adjustment charges.

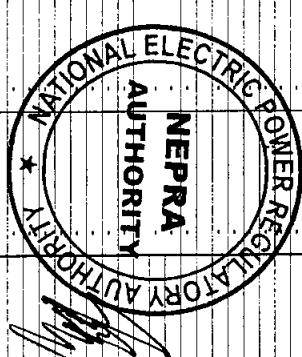
3. The utilization factor of power plants at Central Power Generation Company Limited (CPGCL), including the newly commissioned Guddu 747 machine, remained very low despite availability of dedicated cheaper Gas. Forced outage of unit 16 (249 MW) of Guddu 747 and Guddu old units i.e. 10, 11, 12 & 13 (580 MW) resulted in financial losses due to operation of costlier power plants. It is estimated that a financial impact of around Rs. 5,224 million occurred due to the non-utilization of indigenous gas and operation of expensive Units.

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CENTRAL POWER PURCHASING AGENCY (CPPA)  
Energy Procurement Report (Provisional)  
For the Month of December 2022

S.No.	Power Producers	Fuel	Dep. Category (MWh)	Energy kWh	Fuel Charges R.	VOAM Charges R.	EPP Billing month (Rs.)	Prev. Adjustment in Fuel Cost (Rs.)	Prev. Adjustment in VOAM (Rs.)	Prev. Adjustment in EPP Total (Rs.)	Supp. Charges	Total Fuel Cost R.	Total VOAM R.	Total Energy Cost (Rs.)	
1	DSEB	Wardha Hydro	Hydro	6,902	1,578,699,186	136,330,737	136,330,737								
		Wardha Hydro	Hydro	30	2,067,916	5,881,301	5,881,301								
		Wardha Hydro	Hydro	18											
		Wardha Hydro	Hydro	81	10,515,860	3,330,373	3,330,373								
		Wardha Hydro	Hydro	64	21,633,250	6,688,883	6,688,883								
		Wardha Hydro	Hydro	147	17,305,400	3,191,116	3,191,116								
		Wardha Hydro	Hydro	8	1,570,283										
		Wardha Hydro	Hydro	8	969										
		Wardha Hydro	Hydro	1,478											
		Wardha Hydro	Hydro	1,011											
		Wardha Hydro	Hydro	37	2,962,720										
		Wardha Hydro	Hydro	720	2,953,660	26,761,016	26,761,016								
		Wardha Hydro	Hydro	17	84,740,400										
			Hydro Total:		10,992	1,720,428,685	182,163,428	182,163,428							
2	EDMADA GENCO	GENCO I													
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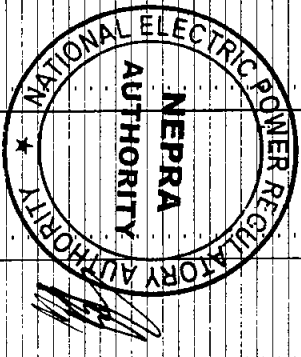
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CENTRAL POWER PURCHASING AGENCY (CPPA)  
 Energy Procurement Report (Provisional)  
 For the Month of December 2022

S.No.	Power Producers	Fuel	Dep. Capacity (MW)	Energy (MWh)	Fuel Charges	VOAM Charges	EPF Billing month (Rs.)	Prev. Adjustment in Fuel (Rs.)	Prev. Adjustment in EPF (Rs.)	Supp. Charges	Total Fuel Cost	Total VOAM	Total Energy Cost (Rs.)	
7	Hebbaluru	Gas	129	390										
8	Fuji Kishikawa	Gas	151	390										
9	Roush	RLNG	356	28,709	676,908	14,257	691,165				676,908	14,257	691,165	
10	Saha Power	Gas	126	386										
11	Ush	Gas	548	386,576,000	4,025,472,712	187,076,445	4,222,549,157	(121,510)	(87)		4,025,357,647	187,076,445	4,222,471,092	
12	Ush	Gas	548	386										
13	Altem	Gas	272	108,390,500	2,470,955,595	68,191,155	2,539,146,750	(118,404)	(828)		2,470,247,911	68,191,155	2,538,439,066	
14	Altem	Gas	272	300										
15	Chaarun Nuclear	Nuel	300	215,208,000	262,273,980	307,716,327	282,273,980				262,273,980	307,716,327	569,990,307	
16	Chaarun Nuclear	Nuel	315	224,943,000	307,716,327	316,654,976	308,610,519				307,716,327	316,654,976	624,371,303	
17	Chaarun Nuclear	Nuel	340	235,098,000	698,408,000	623,971,200	623,971,200				698,408,000	623,971,200	1,322,379,200	
18	Chaarun Nuclear	Nuel	340	698,408,000	698,408,000	698,408,000	698,408,000				698,408,000	698,408,000	1,396,816,000	
19	Chaarun Nuclear	Nuel	1,140	698,408,000	698,408,000	698,408,000	698,408,000				698,408,000	698,408,000	1,396,816,000	
20	Kereshi Nuclear Power Plant Unit-2	Nuel	1,140	698,408,000	698,408,000	698,408,000	698,408,000				698,408,000	698,408,000	1,396,816,000	
21	Kereshi Nuclear Power Plant Unit-3	Nuel	1,140	698,408,000	698,408,000	698,408,000	698,408,000				698,408,000	698,408,000	1,396,816,000	
22	Taveri Tan	Import	8,633	38,622,500	839,042,719	839,042,719	839,042,719				839,042,719	839,042,719	1,678,085,438	
1	Arcof-Cen	RLNG	206	2,620,185,189	133,674,716	8,357,812	140,032,528	(5,554,797)	4,632,847		133,674,716	140,032,528	138,119,920	
2	Arcof-Cen	RLNG	206	2,620,185,189	42,282,844	2,008,831	48,481,675	(140,008,801)	4,632,876		48,481,675	4,632,876	48,481,675	
3	Arcof-Cen	RLNG	186	1,343,628										
4	Arcof-Cen	RLNG	186	1,343,628										
5	Arcof-Cen	RLNG	186	1,343,628										
6	Arcof-Cen	RLNG	186	1,343,628										
7	Arcof-Cen	RLNG	186	1,343,628										
8	Arcof-Cen	RLNG	186	1,343,628										
9	Arcof-Cen	RLNG	186	1,343,628										
10	Arcof-Cen	RLNG	186	1,343,628										
11	Arcof-Cen	RLNG	186	1,343,628										
12	Arcof-Cen	RLNG	186	1,343,628										
13	Arcof-Cen	RLNG	186	1,343,628										
14	Arcof-Cen	RLNG	186	1,343,628										
15	Arcof-Cen	RLNG	186	1,343,628										
16	Arcof-Cen	RLNG	186	1,343,628										
17	Arcof-Cen	RLNG	186	1,343,628										
18	Arcof-Cen	RLNG	186	1,343,628										
19	Arcof-Cen	RLNG	186	1,343,628										
20	Arcof-Cen	RLNG	186	1,343,628										
21	Arcof-Cen	RLNG	186	1,343,628										
22	Arcof-Cen	RLNG	186	1,343,628										
23	Arcof-Cen	RLNG	186	1,343,628										
24	Arcof-Cen	RLNG	186	1,343,628										
25	Arcof-Cen	RLNG	186	1,343,628										
26	Arcof-Cen	RLNG	186	1,343,628										
27	Arcof-Cen	RLNG	186	1,343,628										
28	Arcof-Cen	RLNG	186	1,343,628										
29	Arcof-Cen	RLNG	186	1,343,628										
30	Arcof-Cen	RLNG	186	1,343,628										
31	Arcof-Cen	RLNG	186	1,343,628										
32	Arcof-Cen	RLNG	186	1,343,628										
33	Arcof-Cen	RLNG	186	1,343,628										
34	Arcof-Cen	RLNG	186	1,343,628										
35	Arcof-Cen	RLNG	186	1,343,628										
Sub-Total:				23,840	6,091,783,029	68,042,213,166	1,809,043,789	1,875,343,937	47,782,894,990	1,478,970,638	1,250,574,008	3,294,777,010	49,079,057,000	
Sub-Total:				23,840	6,091,783,029	68,042,213,166	1,809,043,789	1,875,343,937	47,782,894,990	1,478,970,638	1,250,574,008	3,294,777,010	49,079,057,000	59,168,720,861
Sub-Total:				23,840	6,091,783,029	68,042,213,166	1,809,043,789	1,875,343,937	47,782,894,990	1,478,970,638	1,250,574,008	3,294,777,010	49,079,057,000	59,168,720,861

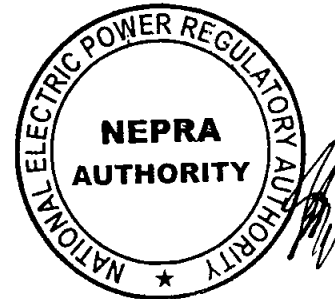


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**CENTRAL POWER PURCHASING AGENCY (CPPA)**  
**Energy Procurement Report (Provisional)**  
**For the Month of December 2022**

S.No.	Power Producers	Fuel	Dep. Capacity (MW)	Energy KWh	Fuel Charges Ra.	VO&M Charges Ra.	EPP Billing month (Rs.)	Prev. Adjustment in Fuel Cost (Rs.)	Prev. Adjustment in VO&M (Rs.)	Prev. Adjustment in EPP Total Ra.	Supp. Charges	Total Fuel Cost Ra.	Total VO&M Ra.	Total Energy Cost (Rs.)
30	ZEPHYR Wind	Wind	50	3,813,144	-	-	-	-	-	-	-	-	-	-
31	Foundation Wind Energy-I (Pvt.) Limited	Wind	50	3,549,220	-	-	-	-	-	-	-	-	-	-
32	Master Green Energy Limited	Wind	50	7,543,790	-	-	-	-	-	-	-	-	-	-
33	Lucky Renewables (Private) Limited	Wind	50	8,869,020	-	-	-	-	-	-	-	-	-	-
34	ACT2 DN Wind (Pvt) Ltd.	Wind	50	7,075,620	-	-	-	-	-	-	-	-	-	-
35	Artistic Wind Power (Pvt) Ltd.	Wind	50	7,544,970	-	-	-	-	-	-	-	-	-	-
38	Indus Wind Energy Ltd.	Wind	50	7,678,920	-	-	-	-	-	-	-	-	-	-
37	Lakeaide Energy Limited	Wind	50	7,004,240	-	-	-	-	-	-	-	-	-	-
38	Liberty Wind Power-I Ltd.	Wind	50	7,544,540	-	-	-	-	-	-	-	-	-	-
39	DN Energy Ltd.	Wind	50	8,720,630	-	-	-	-	-	-	-	-	-	-
40	Gul Ahmed Electric Limited	Wind	50	6,684,430	-	-	-	-	-	-	-	-	-	-
41	Zhanfa Pakistan New Energy Company Limit	Solar	50	10,219,600	-	-	-	-	-	-	-	-	-	-
42	Liberty Wind Power-II (Pvt.) Ltd.	Wind	100	7,017,540	-	-	-	-	-	-	-	-	-	-
43	NASDA Green Energy Limited	Wind	50	7,654,250	-	-	-	-	-	-	-	-	-	-
44	Metro Wind Power Limited	Wind	50	9,409,620	-	-	-	-	-	-	-	-	-	-
45	Net Metering Net Exported units	-	-	9,985,110	192,912,325	-	192,912,325	-	-	-	-	192,912,325	-	192,912,325
46	SPPs	Mixed	257	2,178,517	7,141,454	-	7,141,454	-	-	-	-	7,141,454	-	7,141,454
	Sub-Total		2,643	283,210,196	200,053,780	-	200,053,780	-	-	-	-	200,053,780	-	200,053,780
	<b>G-Total:</b>		<b>41,080</b>	<b>6,416,806,805</b>	<b>59,288,581,893</b>	<b>2,285,734,800</b>	<b>61,574,296,693</b>	<b>(811,093,258)</b>	<b>753,230,746</b>	<b>142,137,488</b>	-	<b>58,677,468,635</b>	<b>3,038,965,546</b>	<b>61,716,434,181</b>
<b>Summary</b>														
1	Hydel			1,720,428,685	-	182,163,428	182,163,428	-	(721,739,892)	(721,739,892)	-	-	(539,576,464)	(539,576,464)
2	Coal			1,520,927,100	17,483,598,655	692,034,127	18,175,632,783	598,168,313	1,403,952,571	2,002,120,883	-	18,081,766,968	2,085,986,898	20,177,753,866
3	HSD			-	-	-	-	-	-	-	-	-	-	-
4	F.O.			38,912,854	1,003,837,460	81,584,752	1,085,422,212	(28,842,339)	32,041,377	3,199,038	-	974,995,121	113,828,129	1,088,823,250
5	Gas			1,273,798,139	13,373,896,792	779,962,231	14,153,848,023	(415,298,417)	(3,163)	(415,301,580)	-	12,958,586,375	779,959,068	13,738,547,443
6	RLWG			1,153,730,281	23,313,540,784	444,491,896	23,758,032,670	(721,888,162)	(124,895)	(722,012,847)	-	22,581,852,633	444,387,191	23,036,019,823
8	Nuclear			2,284,882,000	2,450,799,281	-	2,450,799,281	-	-	-	-	2,450,799,281	-	2,450,799,281
7	Import from Iran			39,852,600	859,042,719	-	859,042,719	(43,232,580)	-	(43,232,580)	-	815,810,139	-	815,810,139
9	Wind Power			211,571,790	-	-	-	-	-	-	-	-	-	-
9	Solar			69,469,889	192,912,325	-	192,912,325	-	-	-	-	192,912,325	-	192,912,325
10	Bagasse			101,066,970	603,802,421	105,498,378	709,300,797	(83)	39,104,548	39,104,465	-	603,802,337	144,602,924	748,405,261
11	Mixed			2,178,517	7,141,454	-	7,141,454	-	-	-	-	7,141,454	-	7,141,454
	Totals For The month			8,416,806,805	59,288,581,893	2,285,734,800	61,574,296,693	(811,093,258)	753,230,746	142,137,488	-	58,677,468,635	3,038,965,546	61,716,434,181
	Prev. Adjustments :			-	(811,093,258)	-	753,230,746	-	142,137,488	-	-	-	-	-
	<b>GRAND TOTALS :</b>			<b>8,416,806,805</b>	<b>58,677,468,635</b>	<b>3,038,965,546</b>	<b>61,716,434,181</b>							

Energy Cost (Rs.)	58,677,468,635	3,038,965,546	61,716,434,181
Cost not chargeable to DISCOs (Rs.)	1,029,096,379	-	1,029,096,379
EPP (Chargeable) (Rs.)	57,648,372,256	3,038,965,546	60,687,337,802
Energy Sold (KWh)	8,096,878,323	8,096,878,323	8,096,878,323
Avg. Rate (Rs./KWh)	7.1198	0.3753	7.4952
Reference Rate (Rs./KWh)	9.3193		
FCA Rate (Rs./KWh)	(2.1995)		



				Annex-II
Source Wise Generation				
Sources	December 2022			
	Reference		Actual	
	GWh	%	GWh	%
Hydel	2,085.96	24.10%	1,720.43	20.44%
Coal	2,777.06	32.08%	1,520.93	18.07%
HSD	-	0.00%	-	0.00%
RFO	-	0.00%	38.91	0.46%
Gas	781.52	9.03%	1,165.52	13.85%
RLNG	487.60	5.63%	1,262.01	14.99%
Nuclear	1,821.71	21.04%	2,284.86	27.15%
Import Iran	33.23	0.38%	39.85	0.47%
Mixed	20.01	0.23%	2.18	0.03%
Wind	439.81	5.08%	211.57	2.51%
Baggasse	131.51	1.52%	101.09	1.20%
Solar	78.61	0.91%	69.46	0.83%
<b>Total</b>	<b>8,657.02</b>	<b>100.0%</b>	<b>8,416.81</b>	<b>100.0%</b>
Sale to IPPs	(12.31)	-0.14%	(37.83)	-0.45%
Transmission Losses	(334.75)	-3.87%	(279.85)	-3.32%
Net Delivered	<b>8,309.95</b>	<b>96.0%</b>	<b>8,099.13</b>	<b>96.23%</b>

Source Wise Fuel Cost/Energy Purchase Price				
Sources	December 2022			
	Reference		Actual	
	Mlns. Rs.	Rs./kWh	Mlns. Rs.	Rs./kWh
Hydel	-	-	-	-
Coal	57,321.13	20.6409	17,101.87	11.2444
HSD	-	-	-	-
RFO	-	-	1,002.41	25.7603
Gas	5,964.69	7.6322	10,903.52	9.3551
RLNG	11,144.91	22.8566	25,779.67	20.4275
Nuclear	1,703.81	0.9353	2,450.80	1.0726
Import Iran	618.03	18.5983	859.04	21.5555
Mixed	131.80	6.5872	7.14	3.2781
Wind	-	-	-	-
Baggasse	804.63	6.1184	603.80	5.9731
Solar	-	-	192.91	2.7773
<b>Total</b>	<b>77,689.01</b>	<b>8.9741</b>	<b>58,901.16</b>	<b>6.9980</b>
Supplemental Charges	-	-	(568.65)	(0.0676)
Sale to IPPs	(246.22)	-	(1,029.10)	(27.2018)
<b>Grand Total</b>	<b>77,442.79</b>	<b>8.9457</b>	<b>57,303.42</b>	<b>6.8082</b>
Transmission Losses	-	0.3736	-	0.2670
<b>Total</b>	<b>77,442.79</b>	<b>9.3193</b>	<b>57,303.42</b>	<b>7.0753</b>
<b>EMO Deductions</b>			<b>(587.9)</b>	<b>(0.0726)</b>
<b>Net Total</b>	<b>77,443</b>	<b>9.3193</b>	<b>56,716</b>	<b>7.0027</b>

National Electric Power Regulatory Authority



NOTIFICATION

Islamabad, the February 16, 2023

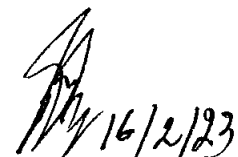
S.R.O. *183* (I)/2023: – Pursuant to Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 as amended through Regulation of Generation, Transmission and Distribution of Electric Power (Amendment) Act 2011, the National Electric Power Regulatory Authority makes and notifies the adjustments on account of variations in fuel charges in the approved tariff of XWDISCOs. The following is the fuel charges adjustment for the month of December 2022 in respect of Ex-WAPDA Distribution Companies (XWDISCOs):

Description	December 2022
Actual Fuel Charge Component for December 2022	Rs.7.0027/kWh
Corresponding Reference Fuel Charge Component	Rs.9.3193kWh
<b>Fuel Price Variation for the month of December 2022 - Decrease</b>	<b>(Rs.2.3166/kWh)</b>

Note: The Authority has reviewed and assessed a Decrease of Rs.2.3166/kWh in the applicable tariff for Ex-WAPDA DISCOs on account of variation in the fuel charges for the month of December 2022 as per the above details.

2. The above adjustment a Decrease of Rs.2.3166/kWh shall be applicable to all the consumer categories except lifeline consumers, domestic consumers consuming up-to-300 units, Electric Vehicle Charging Stations (EVCS) and Agriculture Consumers of all the XWDISCOs. It is hereby clarified that negative adjustment on account of monthly FCA is also applicable to the domestic consumers having Time of Use (ToU) meters irrespective of their consumption level. The said adjustment shall be shown separately in the consumers' bills on the basis of units billed to the consumers in the month of December 2022. XWDISCOs shall reflect the fuel charges adjustment in respect of December 2022 in the billing month of February 2023.

3. While effecting the Fuel Adjustment Charges, the concerned XWDISCOs shall keep in view and strictly comply with the orders of the courts notwithstanding this order.

*Mazhar*  
*7/2*  
  
16/2/23  
( Engr. Mazhar Iqbal Ranjha )  
Registrar