



# National Electric Power Regulatory Authority Islamic Republic of Pakistan

Registrar

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No. NEPRA/R/TRF-100/MFPA/649-65

January 13, 2022

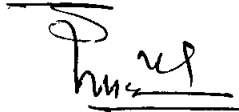
1.	Chief Executive Officer, Faisalabad Electric Supply Company Abdullahpur, Canal Bank Road Faisalabad	2.	Chief Executive Officer, Gujranwala Electric Power Company Ltd. 565/A, Model Town, G.T. Road, Gujranwala
3.	Chief Executive Officer, Hyderabad Electric Supply Co. Ltd. WAPDA Offices Complex, Hussainabad, 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 November 2021 for XWDISCOs along with Notification Thereof**

Enclosed please find herewith copy of the decision of the Authority (13 Pages) regarding adjustment in fuel charges in respect of Ex-WAPDA Distribution Companies for the month of November 2021 and its Notification i.e. S.R.O. 49(1)/2022 dated 13.01.2022.

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)

  
13 01 22  
(Syed Safer Hussain)

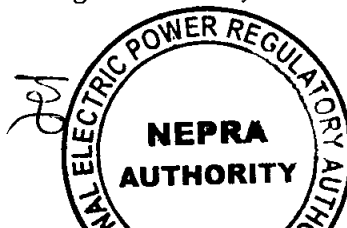
CC:

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. Managing Director, PEPCO, 721 - WAPDA House, Lahore.
5. Member (Power), WAPDA, WAPDA House, Lahore.
6. Managing Director, NTDC, 414 WAPDA House, Lahore.
7. 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 NOVEMBER 2021 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 November 2021, 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 November 2021 is Rs.8.071/kWh, against the reference fuel cost component of Rs.3.7381/kWh as indicated in the Annexure-IV of the notified consumer-end tariff of Ex-WAPDA DISCOs for the FY 2019-20. The actual fuel charges, as reported by CPPA-G, for the month of November 2021 increased by Rs.4.3329/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 December 19, 2021 and also uploaded on NEPRA's Website for information of all concerned stakeholders.
5. The Authority conducted the hearing in the matter on December 29, 2021 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**

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

All purchases have been made in accordance with the Power Purchase Agreement  
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**

- i. 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 November 2021.
- 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 36.692 GWh from Tavanir Iran in November 2021 at a cost of Rs.483.4 million. The Authority also observed that CPPA-G has filed its request with the Authority for approval of extension of contract between CPPA-G and Tavanir Iran for import of Power up-to 104 MW for the period from 01.01.2020 to 31.12.2021, which is under consideration of the Authority. 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

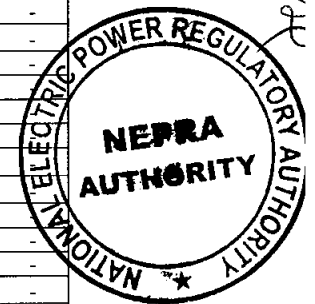




between CPPA-G and Tavanir Iran. The cost being allowed on provisional basis is to avoid piling up of the cost and one time burdening of the consumers in future.

10. CPPA-G also claimed an amount of Rs.13,585 million on account of previous adjustments in the FCA of November 2021. The same has been verified as Rs. 13,367 million and accordingly has been included in the monthly FCAs of November 2021. A summary of the amounts claimed by CPPA-G and allowed by the Authority is as under;

Power Producer	Prev. Adj. Claimed by CPPA-G Rs.	Prev. Adj. Proposed Rs.	Difference
JPCL	1,012,644	1,012,644	-
NPGCL	56,212,008	56,212,008	-
KAPCO	1,096,862,210	1,096,862,210	-
Hub Power	(390,529)	(390,529)	-
Fauji Kabirwala	215,345,075	215,345,075	-
Saba Power	(7,521,228)	(7,521,228)	-
Uch	(7,263,416)	(7,263,416)	-
Liberty	(3,487,725)	(3,487,725)	-
Chashma Nuclear-III	595,139,383	595,139,383	-
Nishat Power	39,314,605.56	39,314,606	-
Foundation Power	(619,677)	(619,677)	-
Orient	222,967,025	222,967,025	-
	801,953	801,953	-
Nishat Chunian	42,418,093	42,418,093	-
Saif Power	210,005,762	210,005,762	-
	945,252	945,252	-
Engro Energy	(6,780,170)	(6,780,170)	-
Saphire Power	193,733,077	193,733,077	-
Hubco Narowal	3,751,378	3,751,378	-
Liberty Power	19,674,164	19,674,164	-
Halmore	218,903,196	218,903,196	-
	420,364	420,364	-
Uch-II	6,213,712,776	5,955,149,315	258,563,461
Engro PowerGen Thar TPS	171,832,126	171,832,126	-
QATPL	1,719,612,362	1,719,612,362	-
Haveli Bahadur Shah	731,375,843	731,375,843	-
Huaneng Shandong Ruyi Energy (Pvt) Ltd	(4,272,759)	(4,272,759)	-
JDW II	3,752,275	-	3,752,275
JDW III	3,476,855	-	3,476,855
Baloki	1,855,477,914	1,855,477,914	-
Prev. Adjustment of Sept- 2021 FCA	46,885,000	46,885,000	-
Total	13,633,295,836	13,367,503,246	265,792,591



11. Regarding adjustment of Uch-II, CPPA-G has claimed an amount of Rs. 6,213.71 million pertaining to the period from November 2013 to December 2019, owing to revision in gas well head prices by OGRA. Upon directions of the Authority, CPPA-G provided verified invoices for the relevant period, whereby, the amount claimed has been revised as Rs.6,030.759 million. However, as per verification by the Authority regarding energy and PPA factors based on the data provided by CPPA-G, the amount of previous adjustments works out as Rs.5,955.14 million, which has accordingly been included in the monthly FCA of November 2021.
12. Regarding adjustment of JDW, CPPA-G has claimed cost of June 2021, as previous adjustment, however, energy for the said period has not been reported in the FCA. In view thereof, the adjustment of JDW has not been considered while working out FCA of November 2021, and would be considered by the Authority, once CPPA-G reports both cost and energy.
13. As per the data submitted by CPPA-G, XWDISCOs purchased 11.83 GWh from Captive Power Plants (CPPs) during November 2021, 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.52.795million. The same being as per the NEPRA approved mechanism, has been considered while working out the FCA of November 2021.

14. During the hearing, the Authority also observed that, prima facie, certain efficient power plants were not fully utilized and instead energy from costlier RFO/HSD based power plants was generated to the tune of over Rs.3,627 million during the month of November 2021. 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.

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;

- a. all dispatch deviation from merit order;  
b. the plants available but not dispatched ; and  
c. 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 November 2021, 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.

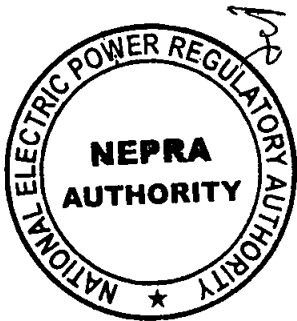
16. The Authority also observed that an in-house analysis has also been carried out, to work out the financial impact due to deviation from EMO based on the information submitted by NPCC. As per the in-house analysis/ workings carried out, it has been noted that around 145.40 GWh were generated from RFO and 24.99 GWh were generated using HSD during the month of November 2021, whereas the capacities of RLNG, Coal and Gas based efficient power plants were underutilized. The net amount deductible, on provisional basis, from the overall claim due to deviation from EMO due to underutilization of efficient power plants works out as around Rs.6.4 million. The Authority has decided to deduct this amount provisionally in the instant FCA, until NPCC/ NTDC and CPPA-G provide the required details along-with complete justification in this regard to the satisfaction of the Authority.

17. In view of the above discussion, the Authority has calculated the fuel cost for the month of November 2021, 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.
18. NTDC, reported provisional T&T losses of 193.32 GWh based on energy delivered on NTDC system during November 2021. NTDC in addition also reported T&T losses of 15.805 GWh for PMLTC (HVDC) line.
  19. NTDC is allowed T&T losses of 2.80% only at 500KV and 220 KV network, while PMLTC (HVDC) is allowed T&T losses of maximum up-to 4.3%.
  20. Accordingly, for the month of November 2021, T&T losses of 193.24 GWh have been verified for NTDC system based on units delivered only at 500KV and 220 KV network. Regarding PMLTC (HVDC), the claimed T&T losses i.e. 15.805 GWh i.e. 3.22%, being within the Authority's allowed limit have also considered while working out the FCA of November 2021.
  21. Representative of NTDC during the hearing submitted that CPPA-G has started deducting cost of excess T&T losses on monthly basis from NTDC, however, no formal agreement in this regard has yet been signed. It was also submitted that the Authority has allowed NTDC T&T losses of 2.80% only at 500KV and 220 KV network on annual basis, therefore, any deduction on account of excess losses may be considered on an annual basis instead of on monthly FCA basis.
  22. NTDC also vide letter dated 28.12.2021, submitted that;
    - a) While the Fuel Price adjustment mechanism for XWDISCOs is detailed in the respective tariff notification thereof, increased clarity in regulatory instruments is unavailable for treatment of NTDC losses i.e.
      - i. Non-provision for transaction regarding deduction of excess T&T losses from NTDC Use of System Charges in Commercial Code.
      - ii. No commercial agreement between CPPA-G and NTDC for calculation, valuation and settlement thereof regarding excess T&T losses units.
      - iii. No discrete directions about treatment/deduction of excess losses are made in monthly NEPRA FCA decision.
    - b) As per Annex-TI table of NEPRA decision for XW-DISCOs FCA for the month of October 2021 dated 09-12-2021, the Net Delivered Energy is considered to be 10,985.47 GWh. Whereas, NTDC & CPPAG have jointly submitted 10,982.86 GWh of Net Energy Delivered to DISCOs. Hence, a difference of 2.61 GWh is considered by CPPAG as excess units lost and the corresponding disallowed fuel cost is deducted from NTDC. This is despite the fact that Transmission losses for Oct-2021 were well within limits (2.80%) and were as follows:
      - i. as per CPPAG petition: 2.3 6%
      - ii. as per NEPRA working: 2.33%





- c) As per NTDC Tariff Determinations, T&T loss limit for NTDC is restricted to 500 & 220kV voltage level only and it is defined as an annual limit whereas the Fuel Charges Adjustment is a monthly feature.

As per recent CPPAG letters, previous NEPRA FCA decisions (Jul-18 to Jun-21) have been interpreted to effect month-wise deduction on NTDC T&T losses (which is an annual target). Resultantly due to this month-wise consideration, CPPAG charges NTDC for more than actual excess units in a complete year.

- d) NTDC reports the verified kWh losses from Metering Data of its CDPs (500 & 220kV system) along with separate detail of +- 660kV HVDC system losses to NEPRA every month before proceeds of FCA hearing,

However, the transmission losses in FCA Decision consideration are not segregated b/w NTDC (500 & 220kV), HVDC 660kV, and <= 132kV voltage levels. And CPPAG treats all transmission losses as "NTDC" losses

- e) Additionally, it is stated that the calculations of NTDC submitted kWh losses are directly from the jointly signed meter readings, hence they are all technical in nature, no manual intervention and no pilferage is involved.

- f) Keeping in view above submissions it is requested that Authority may

- i. Issue necessary directives addressing the concerns of NTDC.
- ii. Disclose detailed working of the Annex-II of monthly FCA Decisions for reference, record of stakeholders.

- iii. Direct the reconciliation of the calculations of losses in CPPA-G, FCA petition before proceedings to remove above referred discrepancies.

Direct all concerned to conclude and execute the formal agreement for "Treatment of Excess T&T losses" with due consideration to the justified costing of excess loss units.

- v. If appropriate any decision regarding treatment of NTDC excess losses may be considered on an annual hearing basis instead of on monthly FCA basis.

23. The Authority during the hearing directed Technical Department to take up the matter separately with both NTDC and CPPA-G to resolve the concerns raised by NTDC.

24. 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.

25. The Authority, after incorporating the aforementioned adjustments, has reviewed and assessed an increase of Rs.4.3020/kWh (Annex-II) in the applicable tariff for XWDISCOs on account of variations in the fuel charges for the month of November 2021 as per the following details:

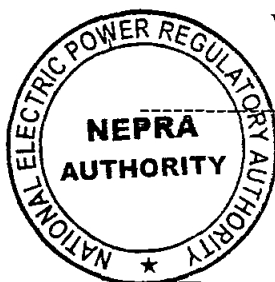




Actual Fuel Charge Component for November 2021	Rs.8.0401/kWh
Corresponding Reference Fuel Charge Component	Rs.3.7381/kWh
Fuel Price Variation for the month of November 2021-Increase	Rs.4.3020kWh

26. In view of the aforementioned, the Authority has decided that adjustment as referred in Para 25 above;
- Shall be applicable to all the consumer categories except lifeline consumers.
  - Shall be shown separately in the consumers' bills on the basis of units billed to the consumers in the month of November 2021.
  - XWDISCOs shall reflect the fuel charges adjustment in respect of November 2021 in the billing month of January 2022; and
  - 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



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13.01.22

Rehmatullah Baloch  
Member

Rafique Ahmed Shaikh  
Member

*By Assent*

*[Handwritten signature]*  
Engr. Maqsood Anwar Khan  
Vice Chairman

*Carry additional notes to attached please*

*[Handwritten signature]*  
Tauseef H. Farooqi  
Chairman

1. As per the case officers report based on the data submitted by NERC, the average RLNG allocated to the power sector was 375 mmcf against the total demand of 472 mmcf - resulting in financial impact of Rs 55.77 mn during November, 2021.

RLNG being imported fuel can be managed/ensured through better supply chain management; and accordingly impact of such mismanagement into the <sup>non-</sup>availability of RLNG can't be passed on to the consumers.

2. Although, - the Authority wide decision dated: 3rd Feb, 2021 is of the considered opinion that "Non-operation of efficient power plants due to non-availability of RLNG shall be considered as a constraint and no deduction be made in monthly FCA on this account".

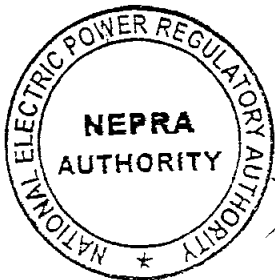
3. Further, Authority gave task to Legal Advisor - to check *[unclear]*



whether as per law due to shortage of ~~RLNG~~ ~~deduction~~ of RLNG, <sup>the</sup> cost can be deducted from FCA claims of CPPA-G or otherwise.

4. LA has opined that: "RLNG is an imported fuel and, reportedly, responsibility for allowing import of same lies with the Federal Government. As... NIDR had conveyed the requirement for RLNG to the Federal Govt. in a timely manner. However, if the RLNG could not be made available, it may not be made basis for penalizing the relevant power sector entities regulated by NEPRA (particularly when the existing GSAs are based on "as and when available" basis). The entity responsible for import of RLNG is not regulated by NEPRA, and therefore, NEPRA cannot take <sup>any</sup> action against it.

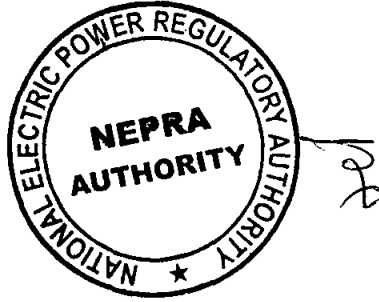
5. I disagree with the decision of learned Authority members as well as Legal Advisor opinion on the pretext that one of the primary responsibility of Nepra is to protect the consumers. Since shortage of RLNG is only due to supply chain management and governance issues and is beyond the purview of Electricity consumers. Therefore, the burden of mis-governance & inefficiencies can't be shifted on to the electricity consumers.



Handwritten signature and date: 20/1/22

**Additional Note**

The under-utilization of the efficient power plants due to the non-availability of RLNG can be avoided if the Ministry of Energy through its Petroleum Division has timely assessed, planned and managed the availability of RLNG. In my opinion, the Ministry of Energy's Petroleum Division (MEPD) is advised to play an active role in ensuring the supply of RLNG being an imported fuel in a timely manner, so that it may not affect the operation of the efficient power plants. Thus the inefficiencies of the power sector can be mitigated without passing it to the end consumers.

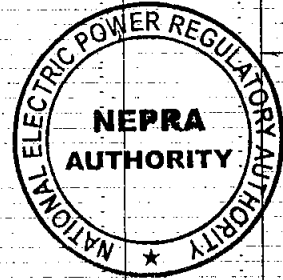


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Engr. Maqsood Anwar Khan  
(Member)  
NEPRA

**CENTRAL POWER PURCHASING AGENCY (CPPA)  
Energy Procurement Report (Provisional)  
For the Month of November 2021**

Power Producers		Fuel	Dep. Capacity (MW)	Energy KWh	Fuel Charges Rs.	VO&M Charges Rs.	EPP Billing month (Rs.)	Prev. Adjustment in Fuel Cost (Rs.)	Prev. Adjustment in VO&M (Rs.)	Prev. Adjustment in EPP Total Rs.	Supp. Charges	Total Fuel Cost Rs.	Total VO&M Rs.	Total Energy Cost (Rs.)
				A	B	C	D = B+C	E	F	G = E + F	H	I = B + E + H	J = C + F	K = I + J
Hydel														
i	WAPDA	Hydel	6,902	2,213,575,318		171,777,144	171,777,144						171,777,144	171,777,144
ii	Jagran	Hydel	30	3,285,198		8,456,863	8,456,863						8,456,863	8,456,863
iii	Pehure	Hydel	18											
iv	Malakand-II SHYDO	Hydel	81	11,570,720										
v	Larab	Hydel	84	51,916,270		16,084,280	16,084,280						16,084,280	16,084,280
vi	Star Hydro	Hydel	147	17,866,309		3,284,546	3,284,546						3,284,546	3,284,546
vii	Heed Marala	Hydel	8	2,402,174										
viii	Neelum Jhelum	Hydel	969	102,840,400										
ix	Tarbella Est. 4	Hydel	1,478	405,171,090		54,292,926	54,292,926						54,292,926	54,292,926
x	Mira Power Limited	Hydel	101	3,793,010										
xi	Darat Khwar	Hydel	37	2,995,250										
xii	Ranella	Hydel	17	1,295,690										
	Hydel Total:		9,872	2,816,493,420		253,905,759	253,905,759						253,905,759	253,905,759
<b>Ex-WAPDA GENCOs</b>														
i	GENCO-I ***													
	Jamshoro Block 1	RFO	182											
	Unit 1	Gas						1,012,644		1,012,644		1,012,644		1,012,644
	Jamshoro Block 2	RFO	664											
	Unit-2	Gas												
		RLNG												
	Unit-3	RFO												
		Gas												
		RLNG												
	Unit-4	Gas												
		RLNG												
	Unit-4	RFO												
		Gas												
		RLNG												
	Kotri J-7	RFO	0											
		Gas												
		RLNG												
	Jamshoro Block 4	RFO						1,012,644		1,012,644		1,012,644		1,012,644
		Gas												
		RLNG												
	Jamshoro Total:		646											
ii	GENCO-II ***													
	Guddu GC Block 1 (GC)	Gas	390	32,649,500	285,277,188	2,249,151	267,526,339					265,277,188	2,249,151	267,526,339
	Central Block 2 (CC)	Gas												
	Guddu (GC) Block-2	Gas	530											
	Block 3 (unit 3&4)	Gas												
	Guddu 747 (CC)	Gas	721	181,888,000	1,124,201,612	107,801,686	1,232,003,298					1,124,201,612	107,801,686	1,232,003,298
	Central Total:		1,641	213,737,500	1,389,478,900	110,050,837	1,499,529,637					1,389,478,900	110,050,837	1,499,529,637
iii	GENCO-III ***													
	Northern Block 1	RFO	556					56,212,008	(248,317)	55,963,691		56,212,008	(248,317)	55,963,691
	Unit 1	RFO												
	Unit 2	RFO												
	Unit 3	RFO												
	Unit 1	Gas												
	Unit 2	Gas												
	Unit 3	Gas												
	Unit 1	RLNG												
	Unit 2	RLNG												
	Unit 3	RLNG												
	Unit 3	RLNG												
	Northern Block 2	RFO	272											
	Block-2 Unit 4	RFO												
	Block-2 Unit 4	Gas												
	Block-2 Unit 4	RLNG												
	Northern Block 3	RFO												
	Block-3 Unit 5	RFO												
	Block-3 Unit 5	Gas	355											
	Block-3 Unit 5	RLNG												
	Block-3 Unit 6	RFO												
	Block-3 Unit 6	Gas												
	Block-3 Unit 6	RLNG												
	Northern Block 4	RLNG	117											
	Northern Block 5	RFO	97											
	Northern Block 6	Gas	75											
	Northern Block 6	Gas												
	Northern Block 6	RLNG	411	20,497,000	400,937,700	13,792,430	414,730,130					400,937,700	13,792,430	414,730,130
	Nandipur	RLNG												
	Northern Total:		1,884	20,497,000	400,937,700	13,792,430	414,730,130	56,212,008	(248,317)	55,963,691		457,149,708	13,544,113	470,693,821
iv	GENCO-IV													
	LAKHRA	Coal	31											
	Sub-Total:		31											
	GENCOs Total:		4,202	234,234,500	1,790,416,500	123,843,267	1,914,259,767	57,224,652	(248,317)	56,976,335		1,847,641,152	123,594,950	1,971,236,102
<b>IPPs</b>														
1	Kot Addu Block 1	RFO	325	46,467,491	927,936,245	31,451,387	959,387,632					927,936,245	31,451,387	959,387,632
		RLNG		1,579,844		616,453	32,213,840					31,597,367	616,453	32,213,840
	Kot Addu Block 2	HSD	762	23,810,580	515,865,120	22,685,519	538,550,639	1,098,862,210		1,098,862,210		1,612,727,330	22,685,519	1,635,412,849
		RLNG												
		HSD												
		RLNG												
	Kot Addu Block 3	HSD	249	1,454,784	31,560,557	1,937,966	33,498,523					31,560,557	1,937,966	33,498,523
		RLNG												
		HSD												
		RLNG												
	KAPCO Total:		1,336	73,372,699	1,506,959,309	56,691,325	1,563,650,634	1,098,862,210	(1,276,433)	1,095,585,777		2,603,827,519	55,414,892	2,659,236,411
2	Hul Power	RFO	1,208	509,100	13,035,243	132,341	13,167,584	(390,529)		(390,529)		12,644,714	127,246	12,771,960
3	Kohinoor Energy	RFO	124	12,086,000	274,111,833	10,586,313	284,698,146					274,111,833	10,559,365	284,671,198
4	AES Lalpur	RFO	350											



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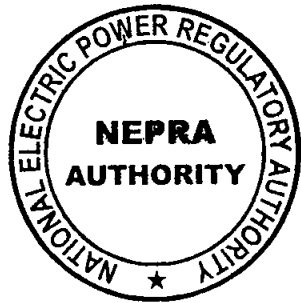


**CENTRAL POWER PURCHASING AGENCY (CPPA)**  
**Energy Procurement Report (Provisional)**  
**For the Month of November 2021**

No.	Power Producers	Fuel	Dep. Capacity (MW)	Energy KWh	Fuel Charges Rs.	VO&M Charges Rs.	EPP Billing month (Rs.)	Prev. Adjustment in Fuel Cost (Rs.)	Prev. Adjustment in VO&M (Rs.)	Prev. Adjustment in EPP Total Rs.	Supp. Charges	Total Fuel Cost Rs.	Total VO&M Rs.	Total Energy Cost (Rs.)
31	Foundation Wind Energy-II (Pvt.) Limited	Wind	50	6,117,320	-	-	-	-	-	-	-	-	-	-
31	Master Green	Wind	50	8,317,570	-	-	-	-	-	-	-	-	-	-
31	TRIGOM	Wind	50	8,913,920	-	-	-	-	-	-	-	-	-	-
32	SPPs	Mixed	257	11,835,920	52,795,979	-	52,795,979	-	-	-	-	52,795,979	-	52,795,979
	<b>Sub-Total</b>		<b>2,043</b>	<b>237,641,352</b>	<b>52,795,979</b>	<b>-</b>	<b>52,795,979</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>52,795,979</b>	<b>-</b>	<b>52,795,979</b>
	<b>G-Total:</b>		<b>35,642</b>	<b>8,481,739,775</b>	<b>53,827,251,765</b>	<b>2,133,984,095</b>	<b>55,761,235,859</b>	<b>13,585,541,522</b>	<b>(2,241,089)</b>	<b>13,583,300,433</b>	<b>-</b>	<b>67,212,793,287</b>	<b>2,131,743,006</b>	<b>69,344,536,293</b>
1	Hydel			2,816,493,420	-	253,905,759	253,905,759	-	-	-	-	-	253,905,759	253,905,759
2	Coal		13.14	1,378,121,500	18,127,448,703	692,098,826	18,819,547,330	167,559,367	(340,480)	167,218,867	-	18,295,008,070	691,758,146	18,986,766,217
3	HSD		27.21	24,987,481	679,794,779	24,887,848	704,682,527	2,167,569	(1,276,433)	891,136	-	681,962,348	23,611,415	705,573,763
4	F.O.		20.27	145,401,447	2,947,429,456	162,735,543	3,110,164,999	1,250,320,702	(2,537,831)	1,247,782,871	-	4,197,750,158	160,197,713	4,357,947,870
5	Gas		7.86	1,083,163,821	8,596,988,273	506,910,708	9,103,898,981	6,410,806,863	(140,751)	6,410,766,112	-	15,007,895,136	506,789,957	15,514,685,093
6	RLWG		17.29	1,208,697,018	20,893,890,441	451,315,793	21,345,006,234	5,151,205,844	(3,087)	5,151,202,757	-	28,044,898,285	451,312,708	28,496,208,991
6	Nuclear		1.02	1,485,186,000	1,520,687,548	-	1,520,687,548	595,139,383	-	595,139,383	-	2,115,826,931	-	2,115,826,931
7	Import from Iran		13.18	36,692,400	483,432,158	-	483,432,158	21	-	21	-	483,432,179	-	483,432,179
8	Wind Power		-	175,180,082	-	-	-	-	-	-	-	-	-	-
9	Solar		-	50,615,370	-	-	-	-	-	-	-	-	-	-
10	Bagasse		5.98	54,355,236	324,984,427	42,129,817	367,114,244	7,229,130	2,057,492	9,286,622	-	332,213,557	44,187,309	376,400,866
11	Mixed		4.46	11,835,920	52,795,979	-	52,795,979	-	-	-	-	52,795,979	-	52,795,979
	<b>Totals For The month</b>			<b>8,481,739,775</b>	<b>53,827,251,765</b>	<b>2,133,984,095</b>	<b>55,761,235,859</b>	<b>13,584,528,878</b>	<b>(2,241,089)</b>	<b>13,582,287,789</b>	<b>-</b>	<b>67,211,780,643</b>	<b>2,131,743,006</b>	<b>69,343,523,649</b>
	<b>Prev. Adjustments :</b>			<b>72,937</b>	<b>13,584,528,878</b>	<b>-</b>	<b>13,584,528,878</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>GRAND TOTALS :</b>			<b>8,481,812,712</b>	<b>67,211,780,643</b>	<b>2,133,984,095</b>	<b>69,343,523,649</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Energy Cost (Rs.)	67,211,780,643	2,131,743,006	69,343,523,649
Cost not chargeable to DISCOs (Rs.)	687,018,794	-	687,018,794
EPP (Chargeable) (Rs.)	66,524,761,849	2,131,743,006	68,656,504,855
Energy Sold (KWh)	8,242,398,869	8,242,398,869	8,242,398,869
Avg. Rate (Rs./KWh)	8.0710	0.2586	8.3297

Reference Rate (Rs./KWh)	3.7381
FCA Rate (Rs./KWh)	4.3329



ADJUSTED				Annex-II	
Source Wise Generation					
Sources	November 2021				
	Reference		Actual		
	GWh	%	GWh	%	
Hydel	2,900.01	39.00%	2,816.49	33.20%	
Coal	2,030.23	27.30%	1,379.12	16.26%	
HSD	-	0.00%	24.99	0.29%	
RFO	-	0.00%	145.40	1.71%	
Gas	694.71	9.34%	1,095.16	12.91%	
RLNG	684.06	9.20%	1,208.70	14.25%	
Nuclear	858.43	11.54%	1,485.19	17.51%	
Import Iran	35.57	0.48%	36.69	0.43%	
Mixed	14.16	0.19%	11.84	0.14%	
Wind	151.82	2.04%	175.19	2.07%	
Baggasse	17.43	0.23%	54.33	0.64%	
Solar	49.18	0.66%	50.62	0.60%	
<b>Total</b>	<b>7,435.60</b>	<b>100.0%</b>	<b>8,483.71</b>	<b>100.0%</b>	
Sale to IPPs	(10.57)	-0.14%	(28.35)	-0.33%	
Transmission Losses	(208.13)	-2.80%	(209.04)	-2.46%	
<b>Net Delivered</b>	<b>7,216.89</b>	<b>97.1%</b>	<b>8,246.31</b>	<b>97.20%</b>	

Source Wise Fuel Cost/Energy Purchase Price				
Sources	November 2021			
	Reference		Actual	
	Mlns. Rs.	Rs./kWh	Mlns. Rs.	Rs./kWh
Hydel	-	-	-	-
Coal	14,874.18	7.3263	18,127.45	13.1442
HSD	-	-	679.79	27.2054
RFO	-	-	2,941.03	20.2270
Gas	5,182.40	7.4598	8,596.99	7.8500
RLNG	5,651.77	8.2621	20,893.69	17.2861
Nuclear	867.39	1.0104	1,520.69	1.0239
Import Iran	411.60	11.5709	483.43	13.1753
Mixed	93.27	6.5872	52.80	4.4607
Wind	-	-	-	-
Baggasse	108.03	6.1972	324.80	5.9789
Solar	-	-	-	-
<b>Total</b>	<b>27,188.64</b>	<b>3.6566</b>	<b>53,620.67</b>	<b>6.3204</b>
Supplemental Charges	-	-	13,367.50	1.5757
Sale to IPPs	(211.48)	-	(687.02)	(24.2317)
<b>Grand Total</b>	<b>26,977.15</b>	<b>3.6281</b>	<b>66,301.16</b>	<b>7.8151</b>
Transmission Losses	-	0.1099	-	0.2250
<b>Net Total</b>	<b>26,977.15</b>	<b>3.7381</b>	<b>66,301.16</b>	<b>8.0401</b>

National Electric Power Regulatory Authority



NOTIFICATION

Islamabad, the January 13, 2022

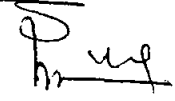
S.R.O. <sup>49</sup> (I)/2022: – Pursuant to Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 as amended through Regulation of Generation, Transmission and Distribution of Electric Power (Amendment) Act 2011, the National Electric Power Regulatory 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 November 2021 in respect of Ex-WAPDA Distribution Companies (XWDISCOs):

Description	November 2021
Actual Fuel Charge Component for November 2021	Rs.8.0401/kWh
Corresponding Reference Fuel Charge Component	Rs.3.7381/kWh
<b>Fuel Price Variation for the month of November 2021 - Increase</b>	<b>Rs.4.3020/kWh</b>

Note: The Authority has reviewed and assessed an increase of Rs.4.3020/kWh in the applicable tariff for Ex-WAPDA DISCOs on account of variation in the fuel charges for the month of November 2021 as per the above details.

2. The above adjustment an increase of Rs.4.3020/kWh shall be applicable to all the consumer categories except lifeline consumers of all the XWDISCOs. The said adjustment shall be shown separately in the consumers' bills on the basis of units billed to the consumers in the month of November 2021 by the XWDISCOs. XWDISCOs shall reflect the fuel charges adjustment in respect of November 2021 in the billing month of January 2022.

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.

  
1301 22  
(Syed Safer Hussain)  
Registrar

