



Registrar

# National Electric Power Regulatory Authority Islamic Republic of Pakistan

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No. NEPRA/R/TRF-100/MFPA/ 36/-76

January 11, 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 November 2022 for XWDISCOs along with Notification Thereof**

Enclosed please find herewith copy of the Decision of the Authority along with Additional Note of Mr. Rafique Ahmed Shaikh, Member NEPRA (total 10 Pages) regarding adjustment in fuel charges in respect of Ex-WAPDA Distribution Companies for the month of November 2022 and its Notification i.e. S.R.O. 22(I)/2023 dated 10.01.2023.

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.



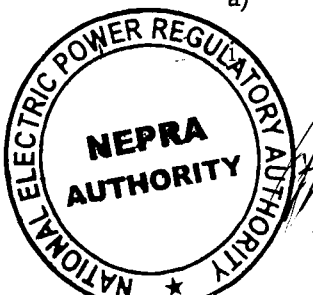
**DECISION OF THE AUTHORITY IN THE MATTER OF FUEL CHARGES ADJUSTMENT  
FOR THE MONTH OF NOVEMBER 2022 FOR EX-WAPDA DISCOS**

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 November 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 November 2022 is Rs.6.27/kWh, against the reference fuel cost component of Rs.6.0762/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 November 2022 increased by Rs.0.1938/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 17, 2022 and also uploaded on NEPRA's Website for information of all concerned stakeholders.
5. The Authority conducted the hearing in the matter on December 27, 2022 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.

*Zur Malik*





- 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.

**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 November 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 44.7 GWh from Tavanir Iran in November 2022 at a cost of Rs.947 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 positive amount of Rs.1,458 million as previous adjustment. Regarding Adjustment of Rs.24 million for GENCO-III, upon inquiry CPPA-G submitted



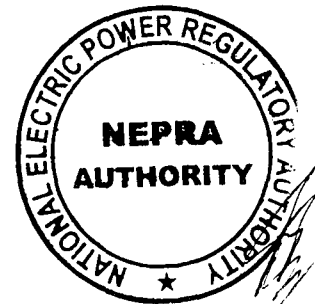
*J. An. Malik*



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.

11. 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. Proposed Rs.	Deduction	Month it Pertains
GENCO-I	17,604,751	17,604,751	-	July 2022
GENCO-II	(361,457,647)	(361,457,647)	-	September 2022
GNECO-III	24,426,126	-	(24,426,126)	
Habibullah	92,806,074	92,806,074	-	September 2022
KAPCO	81,358,094	81,358,094	-	Apr-22
Saba Power	(593)	(593)	-	September 2022
Uch	(104,396)	(104,396)	-	September 2022
Liberty	(150,739)	(150,739)	-	September 2022
Chashma Nuclear-III	225,082,842	225,082,842	-	April - Sept 2022
Tavanir Iran	74,480,937	74,480,937	-	July to Septemebr 2021
Attock-Gen	14,270,085	14,270,085	-	September 2022
Atlas Power	23,748,279	23,748,279	-	September 2022
Nishat Power	(118,622,687)	(118,622,687)	-	September 2022
Foundation Power	(1,338,272)	(1,338,272)	(0)	September 2022
Orient	25,673,791	25,673,791	-	September 2022
Nishat Chunian	52,552,016	52,552,016	-	September 2022
Saif Power	116,912,434	116,912,434	-	September 2022
Engro Energy	(5,693,246)	(5,693,246)	-	September 2022
Saphire Power	64,343,026	64,343,026	-	September 2022
Hubco Narowal	19,537,299	19,537,299	(0)	September 2022
Liberty Power	(25,324,621)	(25,324,621)	-	September 2022
Uch-II	(2,629)	(2,629)	-	September 2022
Almoiz Industries Limited	(156)	(156)	-	September 2022
China Hub Power (Pvt.) Ltd	(349,427,443)	(349,427,443)	(0)	September 2022
Engro PowerGen Thar TPS	3,285,732,446	3,285,732,446	-	Jul-22
QATPL	490,839,364	490,839,364	-	September 2022
Haveli Bahadur Shah	(1,606,901,044)	(1,606,901,044)	-	September 2022
Huaneng Shandong Ruyi Energy (Pvt) Ltd	384,694,333	384,694,333	(0)	September 2022
Baloki	(1,234,603,056)	(1,234,603,056)	-	September 2022
Port Qasim	171,810,572	171,810,572	-	September 2022
Lucky Electric Power Company Limited	(4,100,910)	(4,100,910)	-	September 2022
Total	1,458,145,031	1,433,718,904	(24,426,127)	

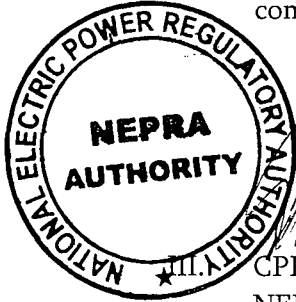


12. As per the data submitted by CPPA-G, XWDISCOs purchased 6.815 GWh from Captive Power Plants (CPPs) during November 2022, for which CPPA-G provided actual details of energy purchased from these plants. According to the details provided by CPPA-G, the actual fuel cost of this energy is Rs.27.58 million. The same being as per the NEPRA approved mechanism, has been considered while working out the FCA of November 2022.
13. During the hearing, the Authority also observed that energy from costlier RFO based power plants was generated to the tune of over Rs.256.46 million, during the month of November 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;

*Z. Mo. U. J.*



- 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.

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.

14. The Authority observed that the required data/information was submitted by CPPA-G along-with the monthly FCA data of November 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.
15. NPCC/NTDC during the hearing, explained operation of power plants on RFO, however, the Authority 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, the net amount deductible, on provisional basis, from the overall claim due to deviation from EMO is Rs. 2.18 million financial impact due to underutilization of efficient power plants.
16. The Authority has decided to deduct the aforementioned amounts provisionally from 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 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.
18. NTDC, reported provisional T&T losses of 233.18 GWh i.e. 2.69%, based on energy delivered on NTDC system during November 2022. NTDC in addition also reported T&T losses of 23.702 GWh i.e. 2.58%, for PMLTC (HVDC) line.
19. 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%.
20. Accordingly, for the month of November 2022, T&T losses of 233.18 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. 23.702



GWh, being within the Authority's allowed limit have also considered while working out the FCA of November 2022.

21. 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.
22. The Authority, after incorporating the aforementioned adjustments, has reviewed and assessed an increase of Rs.0.1892/kWh (**Annex-II**) in the applicable tariff for XWDISCOs on account of variations in the fuel charges for the month of November 2022 as per the following details:

Actual Fuel Charge Component for November 2022	Rs.6.2654/kWh
Corresponding Reference Fuel Charge Component	Rs.6.0762/kWh
Fuel Price Variation for the month of November 2022-Increase	Rs.0.1892/kWh

23. In view of the aforementioned, the Authority has decided that adjustment as referred above;
  - a. Shall be applicable to all the consumer categories except Electric Vehicle Charging Stations (EVCS) and lifeline consumers.
  - b. Shall be shown separately in the consumers' bills on the basis of units billed to the consumers in the month of November 2022.
  - c. XWDISCOs shall reflect the fuel charges adjustment in respect of November 2022 in the billing month of January 2023;
  - d. 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

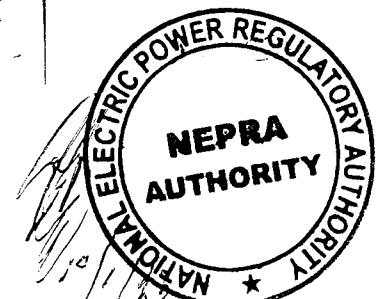
Mathar Niaz Rana (nsc)  
Member

Rafique Ahmed Shaikh  
Member

Engr. Maqsood Anwar Khan  
Member

Tauseef H. Farooqi  
Chairman

(x) My additional note is attached.



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

The power plants of National Power Parks Management Company Limited at Haveli Bahadur Shah (HBS) and Baloki; are included in the most efficient plants of Pakistan Power Sector. The efficiency of these power plants is above 61%. The utilization factors of these most efficient RLNG power plants were; HBS around (75.44%) and Baloki around (31.16%) during the month of November, 2022. It is noted that the accumulated claim by these power plants against part load operation is Rs 1.458 billion. On the other hand, average load management to the tune of around 2,700 MW has been carried out during the month of November, 2022. 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 1.458 billion.

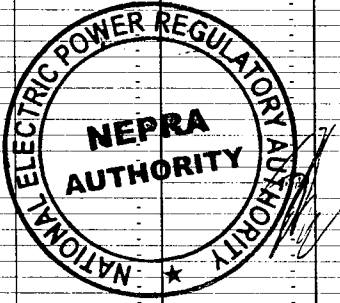
2. As per the data submitted by NPCC, the average RLNG allocated to power sector during the month of November, 2022 was 292 MMCFD, whereas average consumption was 229 MMCFD. However, due to less allocation of RLNG to the power sector during some days in the aforementioned month, RFO plants were operated to meet with the system demand, which resulted in indicative financial impact of Rs. 63.82 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.



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

S.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.)	
				A	B	C	D= B+C	E	F	G=E+F	H	I= B+E+H	J=C+F	K=I+J	
1	<i>Hydel</i>														
	i.	WAPDA	Hydel	6,902	2,004,144,399		161,773,498	161,773,498		(25,583)	(25,583)		161,747,915	161,747,915	
	ii.	Jagran	Hydel	30	1,371,187										
	iii.	Pehure	Hydel	18											
	iv.	MataKand-III SHYDO	Hydel	81	13,399,480		4,243,615	4,243,615		49,551,119	49,551,119		53,794,734	53,794,734	
	v.	Larab	Hydel	84	38,735,090		12,309,931	12,309,931					12,309,931	12,309,931	
	vi.	Star Hydro	Hydel	147	21,972,700		3,073,210	3,073,210					3,073,210	3,073,210	
	vii.	Head Maralla	Hydel	8	1,248,457										
	viii.	Neelum Jhelum	Hydel	969											
	ix.	Tarbella Ext. 4	Hydel	1,478	264,268,610		35,411,994	35,411,994					35,411,994	35,411,994	
	x.	Mira Power Limited	Hydel	101	12,298,670		2,387,172	2,387,172					2,387,172	2,387,172	
	xi.	Dasal Khwar	Hydel	37	6,066,300										
	xii.	Karot Power Company (Pvt.) Limited	Hydel	720	119,855,500		37,850,366	37,850,366		(57,903,505)	(57,903,505)		(20,053,139)	(20,053,139)	
xiii.	Ranolia Hydro Power Complex	Hydel	17												
	<b>Hydel Total:</b>		<b>10,592</b>	<b>2,484,360,393</b>		<b>257,049,786</b>	<b>257,049,786</b>		<b>(8,377,969)</b>	<b>(8,377,969)</b>		<b>248,671,817</b>	<b>248,671,817</b>		
2	<b>Ex-WAPDA GENCOs</b>														
	<b>GENCO-I ***</b>														
	Jamshoro Block 1	RFO	182					17,604,751		17,604,751		17,604,751		17,604,751	
	Unit 1	Gas													
	Jamshoro Block 2	Unit-2	RFO	467											
		Unit-3	Gas												
		Unit-3	RLNG												
		Unit-4	Gas												
		Unit-4	RLNG												
		Unit-4	RFO												
	Kotri 3-7	Gas	0												
	Jamshoro Block 4	Gas													
		<b>Jamshoro Total</b>		<b>649</b>					<b>17,604,751</b>		<b>17,604,751</b>		<b>17,604,751</b>		<b>17,604,751</b>
	<b>GENCO-II ***</b>														
	Guddu CC Block 1 (OC)	Gas	390		88,256,022	717,080,179	6,080,840	723,161,019	(361,457,647)		(361,457,647)		355,622,532	6,080,840	361,703,371
	Central Block 2 (CC)	Gas			88,256,022	717,080,179	6,080,840	723,161,019	(361,457,647)		(361,457,647)		355,622,532	6,080,840	361,703,371
	Guddu (OC) Block-2	Gas	530												
	Block 3 (unit 3&4)	Gas													
	Guddu 747 (CC)	Gas	721		282,597,000	2,507,370,142	244,983,339	2,752,353,481					2,507,370,142	244,983,339	2,752,353,481
		<b>Central Total</b>		<b>1,641</b>	<b>370,853,022</b>	<b>3,224,450,321</b>	<b>251,064,179</b>	<b>3,475,514,500</b>	<b>(361,457,647)</b>		<b>(361,457,647)</b>		<b>2,862,992,674</b>	<b>251,064,179</b>	<b>3,114,056,852</b>
	<b>GENCO-III ***</b>														
	Northern Block 1	Unit 1	RFO	556					24,426,126		24,426,126		24,426,126		24,426,126
		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													
	Unit 3	RLNG													
Northern Block 2	Block-2 Unit 4	RFO	272												
	Block-2 Unit 4	GAS													
	Block-2 Unit 4	RLNG													
Northern Block 3	Block-3 Unit 5	RFO	355												
	Block-3 Unit 5	Gas													
	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													
Nandipur	RLNG	411		1,654,000	37,887,886	982,972	38,870,858					37,887,886	982,972	38,870,858	
	<b>Northern Total:</b>		<b>1,884</b>	<b>1,654,000</b>	<b>37,887,886</b>	<b>982,972</b>	<b>38,870,858</b>	<b>24,426,126</b>		<b>24,426,126</b>		<b>62,314,012</b>	<b>982,972</b>	<b>63,296,984</b>	
<b>GENCO-IV LAKHRA</b>															
	Coal	31													
	<b>Sub-Total:</b>		<b>31</b>												
	<b>GENCOs Total:-</b>		<b>4,204</b>	<b>372,507,022</b>	<b>3,262,338,207</b>	<b>252,047,151</b>	<b>3,514,385,358</b>	<b>(319,426,770)</b>		<b>(319,426,770)</b>		<b>2,942,911,437</b>	<b>252,047,151</b>	<b>3,194,958,587</b>	
3	<b>IPPs</b>														
	1	Kot Addu Block 1	RFO	325				(11,424)	28,451,346	28,439,922	81,369,518	81,358,094	28,451,346	109,809,439	
			RLNG												
			HSD												
		Kot Addu Block 2	RFO	762											
			RLNG												
		HSD													
	Kot Addu Block 3	RLNG	249												
		HSD													
	<b>KAPCO Total</b>		<b>1,336</b>					<b>(11,424)</b>	<b>28,451,346</b>	<b>28,439,922</b>	<b>81,369,518</b>	<b>81,358,094</b>	<b>28,451,346</b>	<b>109,809,439</b>	
2	Hub Power	RFO	1,208	(1,277,000)											
3	Kohinoor Energy	RFO	124					(1)	(13)	(14)		(1)	(13)	(14)	
4	AES Lalpur	RFO	35C						(412)	(412)			(412)	(412)	
5	Pak Gen Power Limited	RFO	35C						(575)	(574)			(575)	(574)	







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

S.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	2,101,870	-	-	-	-	-	-	-	-	-	-
32	Master Green Energy Limited	Wind	50	6,291,600	-	-	-	-	-	-	-	-	-	-
33	Lucky Renewables (Private) Limited	Wind	50	6,249,650	-	-	-	-	-	-	-	-	-	-
34	ACT2 DIN Wind (Pvt) Ltd.	Wind	50	5,072,130	-	-	-	-	-	-	-	-	-	-
35	Artistic Wind Power (Pvt) Ltd.	Wind	50	4,951,910	-	-	-	-	-	-	-	-	-	-
36	Indus Wind Energy Ltd.	Wind	50	5,463,380	-	-	-	-	-	-	-	-	-	-
37	Lakeside Energy Limited	Wind	50	5,292,360	-	-	-	-	-	-	-	-	-	-
38	Liberty Wind Power-I Ltd.	Wind	50	5,111,880	-	-	-	-	-	-	-	-	-	-
39	DIN Energy Ltd.	Wind	50	5,541,920	-	-	-	-	-	-	-	-	-	-
40	Gul Ahmed Electric Limited	Wind	50	5,681,840	-	-	-	-	-	-	-	-	-	-
41	Zhenfa Pakistan New Energy Company Limit	Solar	50	11,972,000	-	-	-	-	-	-	-	-	-	-
42	Liberty Wind Power-II (Pvt.) Ltd.	Wind	100	4,705,230	-	-	-	-	-	-	-	-	-	-
43	NASDA Green Energy Limited	Wind	50	5,439,770	-	-	-	-	-	-	-	-	-	-
44	Metro Wind Power Limited	Wind	50	7,900,530	-	-	-	-	-	-	-	-	-	-
45	Net Metering Net Exported units	Solar	-	15,479,872	299,071,127	-	299,071,127	-	-	-	-	299,071,127	-	299,071,127
46	SPPs	Mixed	257	6,815,158	27,583,638	-	27,583,638	-	-	-	-	27,583,638	-	27,583,638
<b>G-Total:</b>			<b>2,643</b>	<b>243,535,726</b>	<b>326,654,765</b>	<b>-</b>	<b>326,654,765</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>326,654,765</b>	<b>-</b>	<b>326,654,765</b>
<b>Sub-Total</b>			<b>39,760</b>	<b>8,367,070,646</b>	<b>50,111,463,599</b>	<b>1,978,610,302</b>	<b>52,090,073,902</b>	<b>1,283,969,440</b>	<b>(398,866,131)</b>	<b>885,103,309</b>	<b>174,175,591</b>	<b>51,569,608,631</b>	<b>1,579,744,171</b>	<b>53,149,352,802</b>

Summary															
1	Hydel			2,484,360,393		257,049,786	257,049,786		(8,377,969)	(8,377,969)			248,671,817	248,671,817	
2	Coal			975,443,800		542,382,216	542,382,216	13,064,477,316		(519,855,710)		2,968,853,288	22,526,506	16,033,330,603	
3	HSD														
4	F.O.			10,605,027	256,467,018	20,812,558	277,279,576	8,179,232	129,369,311	137,548,543	81,369,516	346,015,768	150,181,869	496,197,637	
5	Gas			1,189,140,520	12,629,036,916	741,415,544	13,370,452,460	(368,746,929)	(854)	(368,747,783)	92,806,074	12,353,096,060	741,414,680	13,094,510,750	
6	RLNG			1,011,739,751	20,520,750,889	344,091,192	20,864,842,080	(2,143,735,485)	(908)	(2,143,736,393)		18,377,015,403	344,090,284	18,721,105,687	
6	Nuclear			2,337,612,000	2,492,748,667		2,492,748,667	225,082,842		225,082,842		2,717,831,509		2,717,831,509	
7	Import from Iran			44,700,400	946,553,320		946,553,320	74,480,937		74,480,937		1,021,034,257		1,021,034,257	
8	Wind Power			157,771,807											
9	Solar			78,848,761	299,071,127		299,071,127					299,071,127		299,071,127	
9	Bagasse			69,733,029	417,156,926	72,859,006	490,015,932	(156)		(156)		417,156,770	72,859,006	490,015,776	
10	Mixed			6,815,158	27,583,638		27,583,638					27,583,638		27,583,638	
11															
<b>Totals For The month</b>				<b>8,367,070,646</b>	<b>50,111,463,599</b>	<b>1,978,610,302</b>	<b>52,090,073,902</b>	<b>1,283,969,440</b>	<b>(398,866,131)</b>	<b>885,103,309</b>	<b>174,175,591</b>	<b>51,569,608,631</b>	<b>1,579,744,171</b>	<b>53,149,352,802</b>	
<b>Prev. Adjustments :</b>				<b>(1,481,148)</b>	<b>1,458,145,031</b>	<b>(398,866,131)</b>	<b>1,059,276,900</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>GRAND TOTALS :</b>				<b>8,365,589,498</b>	<b>51,569,608,631</b>	<b>1,579,744,171</b>	<b>53,149,352,802</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Energy Cost (Rs.)	51,569,608,631	1,579,744,171	53,149,352,802
Cost not chargeable to DISCOs (Rs.)	952,098,433	-	952,098,433
EPP (Chargeable) (Rs.)	50,617,510,197	1,579,744,171	52,197,254,369
Energy Sold (KWh)	8,072,903,780	8,072,903,780	8,072,903,780
Avg. Rate (Rs./KWh)	6.2700	0.1957	6.4657

Reference Rate (Rs./KWh)	6.0762
FCA Rate (Rs./KWh)	0.1938

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				Annex-II
Source Wise Generation				
Sources	November 2022			
	Reference		Actual	
	GWh	%	GWh	%
Hydel	3,361.45	41.07%	2,484.36	29.69%
Coal	1,422.22	17.38%	975.44	11.66%
HSD	-	0.00%	-	0.00%
RFO	-	0.00%	10.61	0.13%
Gas	311.70	3.81%	1,189.14	14.21%
RLNG	618.51	7.56%	1,011.74	12.09%
Nuclear	1,889.26	23.08%	2,337.81	27.94%
Import Iran	33.45	0.41%	44.70	0.53%
Mixed	26.13	0.32%	6.82	0.08%
Wind	357.71	4.37%	157.77	1.89%
Baggasse	88.39	1.08%	69.73	0.83%
Solar	75.92	0.93%	78.95	0.94%
Total	8,184.74	100.0%	8,367.07	100.0%
Sale to IPPs	(11.64)	-0.14%	(35.53)	-0.42%
Transmission Losses	(316.93)	-3.87%	(256.89)	-3.07%
Net Delivered	7,856.17	96.0%	8,074.66	96.51%

Source Wise Fuel Cost/Energy Purchase Price				
Sources	November 2022			
	Reference		Actual	
	Mlns. Rs.	Rs./kWh	Mlns. Rs.	Rs./kWh
Hydel	-	-	-	-
Coal	27,997.43	19.6857	12,522.10	12.8373
HSD	-	-	-	-
RFO	-	-	256.47	24.1835
Gas	2,647.60	8.4939	12,629.04	10.6203
RLNG	14,214.68	22.9821	20,520.75	20.2826
Nuclear	1,771.78	0.9378	2,492.75	1.0663
Import Iran	622.13	18.5983	946.55	21.1755
Mixed	172.11	6.5872	27.58	4.0474
Wind	-	-	-	-
Baggasse	542.61	6.1392	417.16	5.9822
Solar	-	-	299.07	3.7882
Total	47,968.34	5.8607	50,111.46	5.9891
Supplemental Charges	-	-	1,433.72	0.1714
Sale to IPPs	(232.79)	-	(952.10)	(26.8007)
Grand Total	47,735.55	5.8323	50,593.08	6.0467
Transmission Losses	-	0.2439	-	0.2190
Total	47,735.55	6.0762	50,593.08	6.2657
EMO Deductions			(2.2)	
Net Total	47,736	6.0762	50,591	6.2654

National Electric Power Regulatory Authority



NOTIFICATION

Islamabad, the January 10, 2023


**S.R.O.** 22 (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 November 2022 in respect of Ex-WAPDA Distribution Companies (XWDISCOs):

Description	November 2022
Actual Fuel Charge Component for November 2022	Rs.6.2654/kWh
Corresponding Reference Fuel Charge Component	Rs.6.0762/kWh
<b>Fuel Price Variation for the month of November 2022 - Increase</b>	<b>Rs.0.1892/kWh</b>

Note: The Authority has reviewed and assessed an increase of Rs.0.1892/kWh in the applicable tariff for Ex-WAPDA DISCOs on account of variation in the fuel charges for the month of November 2022 as per the above details.

2. The above adjustment an increase of Rs.0.1892/kWh shall be applicable to all the consumer categories except Electric Vehicle Charging Stations (EVCS) and 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 2022. XWDISCOs shall reflect the fuel charges adjustment in respect of November 2022 in the billing month of January 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.

  
10/01/23  
( Engr. Mazhar Iqbal Ranjha )  
Registrar