



Registrar

# National Electric Power Regulatory Authority

## Islamic Republic of Pakistan

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No. NEPRA/R/TRF-100/MFPA/6821-37

May 6, 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 March 2022 for XWDISCOs along with Notification Thereof**

Enclosed please find herewith copy of the Decision of the Authority (11 Pages) regarding adjustment in fuel charges in respect of Ex-WAPDA Distribution Companies for the month of March 2022 and its Notification i.e. S.R.O. 565(I)/2022 dated 06.05.2022.

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)

(Iftikhar Ali Khan)

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.



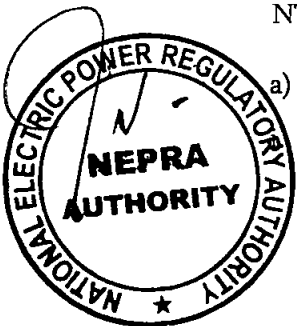
**DECISION OF THE AUTHORITY IN THE MATTER OF FUEL CHARGES ADJUSTMENT  
FOR THE MONTH OF MARCH 2022 FOR EX-WAPDA DISCOS**

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 March 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 March 2022 is Rs.9.3869/kWh, against the reference fuel cost component of Rs.6.2295/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 March 2022 increased by Rs.3.1574/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 April 19, 2022 and also uploaded on NEPRA's Website for information of all concerned stakeholders.
5. The Authority conducted the hearing in the matter on April 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.

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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

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.

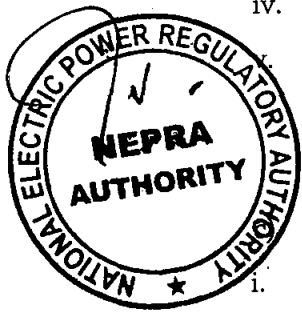
**Power Plants Operations**

- 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 March 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 42.75 GWh from Tavanir Iran in March 2022 at a cost of Rs.741.95 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. While going through the information provided by CPPA-G it was observed that energy reported in FCA data is not as per the Joint meter reading report of some power plants as



detailed below and the impact of same has been accounted for while working out FCA of March 2022.

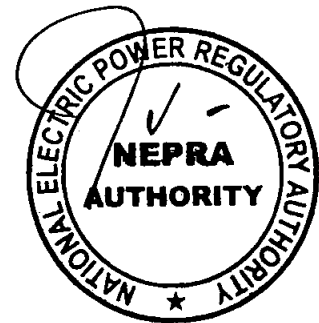
Sr. No	Power Plant	Observations	Energy Difference kWh
1	Azad Jammu & Kashmir Power Development Organization (Jagran)	Extra energy has been claimed for March-2022 as compared to joint meter reading.	3,996
2	Attock Gen. Limited	Less energy has been claimed for March-2022 as compared to joint meter reading.	150
3	Foundation Power Company Daharki Ltd.	Less energy has been claimed for March-2022 as compared to joint meter reading.	124,400
4	UCH-II Power (Pvt.) Limited	Less energy has been claimed for March-2022 as compared to joint meter reading.	57,913
5	China Power Hub Generation Company (Pvt.) Ltd	Less energy has been claimed for March-2022 as compared to joint meter reading.	200

11. The Authority, from the data provided by CPPA-G, observed that fuel cost of certain power plants has not been claimed by CPPA-G as per the Authority's approved rates, accordingly, the same has been adjusted downward in line with the Authority's approved rates for the month of March 2022, as detailed below;

Plants	Energy (kWh)	Fuel Charge Claimed by CPPA-G - Rs.	Fuel Charge as per NEPRA approved FCC - Rs.	Adjustment in Rs.
QATPL	429,865,500	6,098,996,152	6,093,080,311	(5,915,841)
Orient	51,433,820	847,045,493	846,220,589	(824,904)
Total	481,299,320	6,946,041,645	6,939,300,900	(6,740,745)

12. CPPA-G also claimed negative amount of Rs.231.3 million on account of previous adjustments in the FCA of March 2022. The same has been verified and accordingly included in the monthly FCAs of March 2022. 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. allowed Rs.
Haveli Bahadur Shah	(54,515,752)	(54,515,752)
	(69,160,012)	(69,160,012)
QATPL	(4,713,603)	(4,713,603)
	(120,060,266)	(120,060,266)
KAPCO	4,756,191	4,756,191
Hub Power	981,022	981,022
Saba Power	(8,167,128)	(8,167,128)
Karachi Nuclear Power Plant-Unit-2	(12,153,760)	(12,153,760)
Tavanir Iran	670,912	670,912
Engro Energy	(66,430,653)	(66,430,653)
Uch-II	(525,375)	(525,375)
Almoiz Industries Limited	(839,542)	(839,542)
Engro PowerGen Thar TPS	1,540	1,540
	(4,389,961)	(4,389,961)
Baloki	(82,401,090)	(82,401,090)
Kohinoor Energy	(1)	(1)
Pak Gen Power Limited	(80)	(80)
Habibullah Coastal Power Co. (Pvt.) Ltd.	185,612,152	185,612,152
Total	(231,335,406)	(231,335,406)



13. Here it is also pertinent to mention that Lucky Electric Power Company (LEPC) has achieved COD on 21.03.2022, however, it is providing pre-cod energy from November 2021, for which fuel cost has been allowed in monthly FCA from November 2021 to February 2022 based on the reference fuel cost component as approved by the Authority. NEPRA vide letter dated 18.02.2022 regarding request of LEPC for pre-cod sale of electricity clarified that;

*"It is clarified that the pre-cod sale of electricity of one unit complex shall be allowed only to the extent of applicable fuel cost component as per Standard PPA."*

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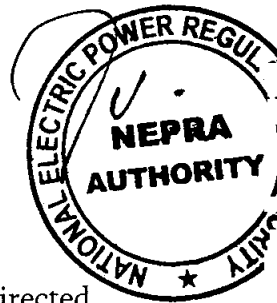


14. However, subsequently CPPA-G vide its letter dated 04.04.2022, in response to NEPRA clarification submitted that;

*“While adopting standard PPA for Lucky Electric having one unit, the pre-cod sale of electricity was deleted with mutual consent between parties after deliberation.”*

15. Considering the submissions of CPPA-G, the pre-cod sale of electricity was deleted in the PPA with mutual consent between parties, consequently, the fuel cost allowed to LEPC from November 2021 till February 2022 along-with cost claimed as pre-cod till March 21, 2022, has been deducted till the matter is resolved.
16. The financial impact of said adjustments works out as Rs. 2,803 million and the same has been deducted as previous adjustment while working instant monthly FCA of XWDISCOs.

Month	Energy	Deduction Rs.
Nov-21	3,674,600	14,613,149
Dec-21	165,646,500	658,743,001
Jan-22	158,687,600	631,068,848
Feb-22	147,561,000	586,820,585
March 21, 2022 (Pre-cod)	229,417,395	912,347,096
	<b>704,987,095</b>	<b>2,803,592,679</b>



17. Here it is pertinent to mention that during hearing the Authority directed representative of LEPC to resolve the issue with CPPA-G and inform the Authority accordingly. The Authority may consider this cost once the issue is resolved between parties.
18. As per the data submitted by CPPA-G, XWDISCOs purchased 13.22 GWh from Captive Power Plants (CPPs) during March 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.63.88 million. The same being as per the NEPRA approved mechanism, has been considered while working out the FCA of March 2022.
19. During the hearing, the Authority also observed that energy from costlier RFO based power plants was generated to the tune of over Rs.24,913 million during the month of March 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.
- 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;

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- 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.

The Authority observed that the required data/information was submitted by CPPA-G along-with the monthly FCA data of March 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.

21. 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 due to underutilization of efficient power plants works out as Rs.9 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.
22. Further, while reviewing the FCA claim, the Authority observed that Partial Load was provided to Balloki and QATPL power plants on HSD operations even during Forced Outages and Failure to Achieve Despatch (FADL), which is non-performance/fault of the said power producers. The Authority is of the considered view that Part Load can only be provided if the Plant is available but NPCC despatches it on part load due to system requirements. Similarly, Part Load cannot be provided in the case of Failure of the plant to achieve the Despatch instructed by the NPCC. Therefore, an amount of Rs. 4.115 million (Rs. 3.745 million for QATPL and Rs. 0.37 million for Balloki) for the month of January 2022 has been deducted on account of Partial Load charges, while working out the FCA of March 2022.
23. In view of the above discussion, the Authority has calculated the fuel cost for the month of March 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.
24. NTDC, reported provisional T&T losses of 265.45 GWh i.e. 2.52%, based on energy delivered on NTDC system during March 2022. NTDC in addition also reported T&T losses of 30.06 GWh for PMLTC (HVDC) line.
25. 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%.
26. Accordingly, for the month of March 2022, T&T losses of 265.45 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. 30.06 GWh i.e. 2.66%, being within the Authority's allowed limit have also considered while working out the FCA of March 2022.

27. 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.
28. The Authority, after incorporating the aforementioned adjustments, has reviewed and assessed an increase of Rs.2.8680/kWh (**Annex-II**) in the applicable tariff for XWDISCOs on account of variations in the fuel charges for the month of March 2022 as per the following details:

Actual Fuel Charge Component for March 2022	Rs.9.0975kWh
Corresponding Reference Fuel Charge Component	Rs.6.2295/kWh
Fuel Price Variation for the month of March 2022-Increase	Rs.2.8680/kWh

29. In view of the aforementioned, the Authority has decided that adjustment as referred in Para 28 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 March 2022.
  - XWDISCOs shall reflect the fuel charges adjustment in respect of March 2022 in the billing month of May 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.

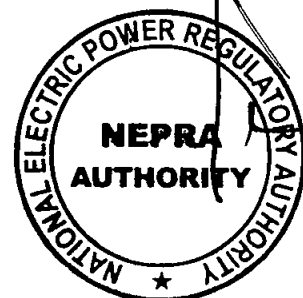
**AUTHORITY**

Engr. Maqsood Anwar Khan  
Member

⊗ My dissent is attached herewith

Rafique Ahmed Shaikh  
Vice chairman/Member

Tauseef H. Farooqi  
Chairman



**Dissenting Note regarding decision of the Authority about Fuel Charges Adjustment for XW DISCOs for the month of March, 2022:**

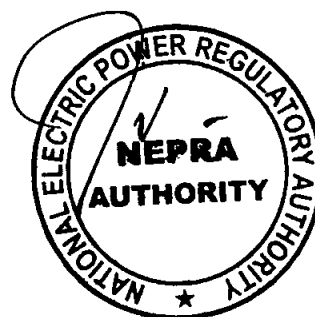
As per the data submitted by NPCC, the average RLNG allocated to power sector during 1-10<sup>th</sup> March, 2022, was 331 MMCFD against a demand of 380 MMCFD that resulted in financial impact of Rs. 341 Million during the month of March, 2022. However, it is noted that, the demand of 380 MMCFD RLNG as given by System Operator for the month of March, 2022, was in-sufficient to optimally operate the RLNG based power plants.

It is observed that, due to less/non-availability of RLNG to various efficient RLNG based power plants having efficiencies in the range of 51% to above 60%, the utilization factor of these plants remained very low, as follows

Name of Plant	Utilization Factor (%)
Bhikki	48.96
Baloki	62.13
Orient	32.46
Saif	16.65
Sapphire	24.42
Halmore	16.31

Due to low utilization factor of above plants the system demand was met through operation of less efficient/expensive power plants like KAPCO, HUBCO etc. on RFO, which adversely affected the cost of fuel.

As the RLNG is imported fuel and its availability can be ensured through better supply chain management, accordingly, such mismanagement into the availability of required RLNG can't be passed on to the consumers.





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

S.No.	Power Producers	Fuel	Dep. Capacity (MW)	Energy KWh	Fuel Charges Rs.	VO&M Changes Rs.	EPP Billing months (Rs.)	Prev. Adjustment in Fuel Cost (Rs.)	Prev. Adjustment in VO&M (Rs.)	Prev. Adjustment in Total (Rs.)	Supp. Charges	Total Fuel Cost Rs.		Total VO&M Rs.	Total Energy Cost (Rs.)	
												A	B			C
I	WAPDA	Hydel	6,902	1,186,372,461		112,884,812	112,884,812		(68)	(68)			112,884,744	112,884,744	112,884,744	
	Jagran	Hydel	30	7,203,727					4,200,429	4,200,429			4,200,429	4,200,429	4,200,429	
	Pishure	Hydel	18													
	Masland-II SHYDO	Hydel	81	26,671,310												
	Larab	Hydel	84	44,021,920												
	Star Hydro	Hydel	147	31,425,300												
	Head Marala	Hydel	8	1,201,786												
	Nestrom-Jhulum	Hydel	959	359,256,700												
	Tarbella Ext. 4	Hydel	1,478	32,197,250												
	Mira Power Limited	Hydel	101	14,020,730												
	Daral Khwar	Hydel	37	1,559,630												
	Ranalis	Hydel	17													
	Hydel Total:			9,872	1,703,911,814		138,567,114	138,567,114		4,200,361	4,200,361			142,767,475	142,767,475	
	II	GENCO-I ***														
		Jamshoro Block 1	RFO	182												
		Unit 1	Gas													
		Jamshoro Block 2	RFO	464												
Unit-2		Gas														
Unit-3		RLNG														
Unit-4		RFO														
Unit-5		RLNG														
Unit-6		RLNG														
Unit-7		RLNG														
III	GENCO-II ***															
	Jamshoro Block 4	RFO	846	5,074,000		483,795	5,074,000		483,795	483,795			152,025,108	152,488,903		
	Unit 1	Gas														
	Unit 2	Gas														
	Unit 3	Gas														
	Unit 4	Gas														
	Unit 5	Gas														
	Unit 6	Gas														
	Unit 7	Gas														
	Unit 8	Gas														
IV	GENCO-III ***															
	Central Block 1 (CC)	RFO	390	154,523,577		10,646,674	154,523,577		10,646,674	10,646,674			12,255,504,083	12,266,150,737		
	Central Block 2 (CC)	RFO	530													
	Block 3 (Unit 3A-4)	RFO	530													
	Block 4 (CC)	RFO	721	341,388,508		151,977,268	341,388,508		151,977,268	151,977,268			1,436,051,265	1,588,059,150		
	Unit 1	Gas														
	Unit 2	Gas														
	Unit 3	Gas														
	Unit 4	Gas														
	Unit 5	Gas														
V	GENCO-IV															
	Northern Block 1	RFO	556	395,917,577		162,624,559	395,917,577		162,624,559	162,624,559			1,436,051,265	1,598,681,150		
	Unit 1	RFO														
	Unit 2	RFO														
	Unit 3	RFO														
	Unit 4	RFO														
	Unit 5	RFO														
	Unit 6	RFO														
	Unit 7	RFO														
	Unit 8	RFO														
VI	GENCO-V															
	Northern Block 2	RFO	272	18,358,000		13,065,389	18,358,000		13,065,389	13,065,389			375,987,605	389,053,194		
	Block-2 Unit 4	RFO														
	Block-2 Unit 5	RFO														
	Block-2 Unit 6	RFO														
	Block-3 Unit 5	RFO														
	Block-3 Unit 6	RFO														
	Block-3 Unit 7	RFO														
	Block-3 Unit 8	RFO														
	Block-3 Unit 9	RFO														
VII	GENCO-VI															
	Northern Block 3	RFO	355	146,621,000		158,335,610	146,621,000		158,335,610	158,335,610			3,343,028,166	3,501,363,776		
	Block-3 Unit 5	RFO														
	Block-3 Unit 6	RFO														
	Block-3 Unit 7	RFO														
	Block-3 Unit 8	RFO														
	Block-3 Unit 9	RFO														
	Block-3 Unit 10	RFO														
	Block-3 Unit 11	RFO														
	Block-3 Unit 12	RFO														
VIII	GENCO-VII															
	Northern Block 4	RFO	117	280,345,800		260,925,854	280,345,800		260,925,854	260,925,854			6,182,136,192	6,443,101,442		
	Block-4 Unit 5	RFO														
	Block-4 Unit 6	RFO														
	Block-4 Unit 7	RFO														
	Block-4 Unit 8	RFO														
	Block-4 Unit 9	RFO														
	Block-4 Unit 10	RFO														
	Block-4 Unit 11	RFO														
	Block-4 Unit 12	RFO														
IX	GENCO-VIII															
	Northern Block 5	RFO	97	34,216,700		48,957,000	34,216,700		48,957,000	48,957,000			8,820,322	43,777,322		
	Block-5 Unit 5	RFO														
	Block-5 Unit 6	RFO														
	Block-5 Unit 7	RFO														
	Block-5 Unit 8	RFO														
	Block-5 Unit 9	RFO														
	Block-5 Unit 10	RFO														
	Block-5 Unit 11	RFO														
	Block-5 Unit 12	RFO														
X	GENCO-IX															
	Northern Block 6	RFO	782	1,466,621,000		1,807,065,405	1,466,621,000		1,807,065,405	1,807,065,405			3,343,028,166	5,150,714,571		
	Block-6 Unit 5	RFO														
	Block-6 Unit 6	RFO														
	Block-6 Unit 7	RFO														
	Block-6 Unit 8	RFO														
	Block-6 Unit 9	RFO														
	Block-6 Unit 10	RFO														
	Block-6 Unit 11	RFO														
	Block-6 Unit 12	RFO														
XI	GENCO-X															
	Northern Block 7	RFO	249	74,006,900		21,141,847	74,006,900		21,141,847	21,141,847			1,807,065,405	1,828,191,292		
	Block-7 Unit 5	RFO														
	Block-7 Unit 6	RFO														
	Block-7 Unit 7	RFO														
	Block-7 Unit 8	RFO														
	Block-7 Unit 9	RFO														
	Block-7 Unit 10	RFO														
	Block-7 Unit 11	RFO														
	Block-7 Unit 12	RFO														
XII	GENCO-XI															
	Northern Block 8	RFO	1,336	6,438,295,857		6,438,295,857	6,438,295,857		6,438,295,857	6,438,295,857			6,182,136,192	12,620,432,049		
	Block-8 Unit 5	RFO														
	Block-8 Unit 6	RFO														
	Block-8 Unit 7	RFO														
	Block-8 Unit 8	RFO														
	Block-8 Unit 9	RFO														
	Block-8 Unit 10	RFO														
	Block-8 Unit 11	RFO														

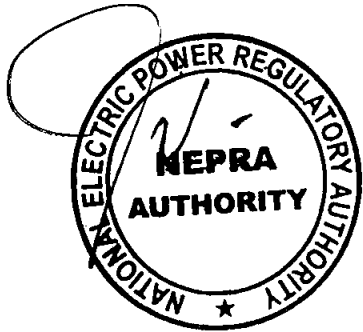
**CENTRAL POWER PURCHASING AGENCY (CPPA)**  
Energy Procurement Report (Provisional)  
For the Month of March 2022

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.)
5	Peak Gen Power Limited	RFO	350	119,326,300	3,180,713,070	34,088,422	3,214,801,492	(80)	(220,528)	(220,608)	185,612,152	3,390,372,990	33,867,894	3,214,640,884
6	Habibullah	Gas	129									185,612,152		185,612,152
7	Fauji Kabrawala	Gas	151											
8	Roush	RLNG	395	45,139,694	1,143,424,561	12,900,924	1,156,325,485	(6,167,128)	(47,218)	(6,213,346)		1,135,257,433	12,853,706	1,148,111,139
9	Saba Power	RFO	126	392,378,000	3,528,620,846	174,647,448	3,703,268,294	(0)	(82,168)	(82,168)		3,528,620,846	174,565,280	3,703,186,126
10	Uch	Gas	549											
11	Uch	Gas	27											
12	Uch	Gas	27											
13	Uch	Gas	27											
14	Liberty	Gas	212	212,477,000	256,945,720	256,945,720	256,945,720	(0)				256,945,720		256,945,720
15	Chashma Nuclear	Nucl.	300	29,245,000	256,817,605	256,817,605	256,817,605	(0)				256,817,605		256,817,605
16	Chashma Nuclear-II	Nucl.	315	46,766,000	57,578,299	57,578,299	57,578,299	(0)				57,578,299		57,578,299
17	Chashma Nuclear-III	Nucl.	340	231,522,000	276,089,985	276,089,985	276,089,985	(0)				276,089,985		276,089,985
18	Chashma Nuclear-IV	Nucl.	340	633,250,015	633,250,015	633,250,015	633,250,015	(0)				633,250,015		633,250,015
19	Karachi Nuclear Power Plant-Unit-2	Nucl.	1,140	145,010,000	131,437,064	131,437,064	131,437,064	(0)				131,437,064		131,437,064
20	Karachi Nuclear Power Plant-Unit-3	Nucl.	1,145	42,747,000	741,945,248	741,945,248	741,945,248	(0)				741,945,248		741,945,248
21	Tarapur	Import	86	2,601,780,794	20,253,126,501	563,103,542	20,816,230,043	670,912	(5,692,487)	(19,605,331)	185,612,152	20,424,822,809	557,411,055	20,982,233,864
22	Sub-Total:		8,633	61,004,198	1,659,905,234	102,572,791	1,762,478,025	0	(0)	(0)	169,905,234	1,932,377,919	1,772,478,025	1,772,478,025
1	Attock Gen	RFO	214	104,845,377	1,818,031,954	174,043,326	1,992,074,920	(0)	(0)	(0)		1,818,031,954	1,992,074,920	1,818,031,954
2	Attock Power	RFO	195	1,425,242,684	1,425,242,684	1,425,242,684	1,425,242,684	(0)	(55)	(55)		1,425,242,684	1,425,242,684	1,425,242,684
3	Nisat Power	Gas	171	119,769,484	830,195,952	82,233,728	912,429,680	(0)				830,195,952	912,429,680	830,195,952
4	Foundation Power	RLNG	213	51,433,820	847,045,493	21,673,777	868,719,270	(0)				847,045,493	868,719,270	847,045,493
5	Orient	HSD	196	91,520,216	1,648,343,154	151,566,630	1,799,909,784	(0)				1,648,343,154	151,566,630	1,799,909,784
6	Nisat Chunan	RFO	204	25,271,908	522,788,381	18,119,957	540,908,338	(0)				522,788,381	18,119,957	540,908,338
7	Saf Power	HSD	213					(66,430,653)		(66,430,653)				(66,430,653)
8	Engro Energy	HSD	36,889,240		615,926,686	26,154,471	642,081,157					615,926,686	26,154,471	642,081,157
9	Sapphire Power	HSD	214	77,798,957	1,694,788,039	141,057,289	1,835,845,328					1,694,788,039	141,057,289	1,835,845,328
10	Hubei Newcell	RFO	196	100,634,314	2,138,302,546	182,822,695	2,321,125,241					2,138,302,546	182,822,695	2,321,125,241
11	Liberty Power	RLNG	199	24,145,790	460,192,005	17,990,568	507,582,573					460,192,005	17,990,568	507,582,573
12	Hainore	HSD	301	84,664,695	660,303,545	33,696,026	694,000,173	(925,375)		(925,375)		659,778,170	33,696,026	693,474,196
13	Johil	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
14	Johil	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
15	Johil	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
16	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
17	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
18	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
19	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
20	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
21	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
22	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
23	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
24	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
25	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
26	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
27	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
28	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
29	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
30	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
31	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
32	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
33	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
34	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
35	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
36	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
37	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
38	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
39	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
40	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
41	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
42	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
43	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
44	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
45	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
46	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
47	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
48	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
49	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
50	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
51	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
52	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
53	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997					86,456,997	99,334,434	86,456,997
54	JKR	Gas	26	14,785,700	86,456,997	99,334,434	86,456,997							

**CENTRAL POWER PURCHASING AGENCY (CPPA)**  
Energy Procurement Report (Provisional)  
For the Month of March 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.)
30	ZEPHYR Wind	Wind	50	10,398,040	-	-	-	-	-	-	-	-	-	-
31	Foundation Wind Energy-II (Pvt.) Limited	Wind	50	6,621,840	-	-	-	-	-	-	-	-	-	-
32	Master Green Energy Limited	Wind	50	9,009,040	-	-	-	-	-	-	-	-	-	-
33	Lucky Renewables (Private) Limited	Wind	50	10,141,590	-	-	-	-	-	-	-	-	-	-
34	ACT2 Dik Wind (Pvt) Ltd.	Wind	50	12,027,400	-	-	-	-	-	-	-	-	-	-
36	Artistic Wind Power (Pvt) Ltd.	Wind	50	11,607,330	-	-	-	-	-	-	-	-	-	-
36	Indus Wind Energy Limited	Wind	50	13,038,590	-	-	-	-	-	-	-	-	-	-
37	Wind: Lakeside Energy	Wind	50	2,502,990	-	-	-	-	-	-	-	-	-	-
38	Wind: Liberty-1	Wind	50	3,084,810	-	-	-	-	-	-	-	-	-	-
39	Wind: Din Energy	Wind	50	2,189,920	-	-	-	-	-	-	-	-	-	-
40	Wind: Gul Ahmad 2	Wind	50	9,757,510	-	-	-	-	-	-	-	-	-	-
44	SPPs	Mixed	257	13,215,649	63,882,649	-	63,882,649	-	-	-	-	63,882,649	-	63,882,649
	<b>Sub-Total</b>		<b>2,393</b>	<b>349,869,145</b>	<b>63,882,649</b>	<b>-</b>	<b>63,882,649</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>63,882,649</b>	<b>-</b>	<b>63,882,649</b>
	<b>G-Total:</b>		<b>37,137</b>	<b>10,418,421,846</b>	<b>96,032,488,001</b>	<b>3,509,526,459</b>	<b>99,542,014,460</b>	<b>(416,947,558)</b>	<b>(2,039,854)</b>	<b>(418,987,412)</b>	<b>185,612,152</b>	<b>95,801,152,595</b>	<b>3,507,486,605</b>	<b>99,308,639,200</b>
<b>Summary</b>														
1	Hydel			1,703,911,814	-	138,567,114	138,567,114	-	4,200,361	4,200,361	-	-	142,767,475	142,767,475
2	Coal			2,586,623,500	32,104,212,857	886,116,376	32,990,329,233	1,540	(1,054,024)	(1,052,484)	-	32,104,214,397	885,062,352	32,989,278,749
3	HSD			-	-	-	-	(271,621,368)	-	(271,621,368)	-	-	-	(271,621,368)
4	F.O.			1,106,194,268	24,913,080,089	1,244,209,078	26,157,289,167	(2,429,996)	(5,810,374)	(8,040,370)	-	24,910,650,092	1,238,598,704	26,149,248,797
5	Gas			992,723,956	7,710,675,671	453,202,363	8,163,878,034	(66,956,028)	(82,168)	(67,038,196)	185,612,152	7,829,331,795	453,120,195	8,282,451,990
6	RLNG			1,965,683,456	28,242,445,851	701,979,207	28,944,424,858	(63,619,316)	-	(63,619,316)	-	28,178,826,335	701,979,207	28,880,805,542
6	Nuclear			1,563,663,000	1,616,118,688	-	1,616,118,688	(12,153,760)	-	(12,153,760)	-	1,603,964,928	-	1,603,964,928
7	Import from Iran			42,747,400	741,945,248	-	741,945,248	670,912	-	670,912	-	742,616,160	-	742,616,160
8	Wind Power			267,922,036	-	-	-	-	-	-	-	-	-	-
9	Solar			88,731,460	-	-	-	-	-	-	-	-	-	-
10	Bagasse			107,005,307	640,127,149	85,452,320	725,579,469	(839,542)	506,351	(333,191)	-	639,287,607	85,958,671	725,246,278
11	Mixed			13,215,649	63,882,649	-	63,882,649	-	-	-	-	63,882,649	-	63,882,649
	<b>Totals For The month</b>			<b>10,418,421,846</b>	<b>96,032,488,001</b>	<b>3,509,526,459</b>	<b>99,542,014,460</b>	<b>(416,947,558)</b>	<b>(2,039,854)</b>	<b>(418,987,412)</b>	<b>185,612,152</b>	<b>95,801,152,595</b>	<b>3,507,486,605</b>	<b>99,308,639,200</b>
	<b>Prev. Adjustments :</b>			<b>(4,338,492)</b>	<b>(231,335,406)</b>	<b>(2,039,854)</b>	<b>(233,375,260)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>GRAND TOTALS :</b>			<b>10,414,083,354</b>	<b>95,801,152,595</b>	<b>3,507,486,605</b>	<b>99,308,639,200</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Energy Cost (Rs.)	95,801,152,595	3,507,486,605	99,308,639,200
Cost not chargeable to DISCOs (Rs.)	1,193,093,234	-	1,193,093,234
EPP (Chargeable) (Rs.)	94,608,059,361	3,507,486,605	98,115,545,966
Energy Sold (KWh)	10,078,733,833	10,078,733,833	10,078,733,833
Avg. Rate (Rs./KWh)	9.3869	0.3480	9.7349
Reference Rate (Rs./KWh)	6.2295		
FCA Rate (Rs./KWh)	3.1574		



ADJUSTED				Annex-II
Source Wise Generation				
Sources	March 2022			
	Reference		Actual	
	GWh	%	GWh	%
Hydel	1,105.33	14.21%	1,703.91	16.36%
Coal	1,723.73	22.15%	2,586.62	24.83%
HSD	-	0.00%	-	0.00%
RFO	67.98	0.87%	1,106.19	10.62%
Gas	1,816.03	23.34%	992.72	9.53%
RLNG	1,772.94	22.79%	1,965.68	18.87%
Nuclear	877.65	11.28%	1,563.66	15.01%
Import Iran	34.21	0.44%	42.75	0.41%
Mixed	33.66	0.43%	13.22	0.13%
Wind	186.82	2.40%	267.92	2.57%
Baggasse	95.28	1.22%	107.01	1.03%
Solar	66.90	0.86%	68.73	0.66%
Total	7,780.52	100.0%	10,418.24	100.0%
Sale to IPPs	(11.06)	-0.14%	(33.78)	-0.32%
Transmission Losses	(209.38)	-2.69%	(295.51)	-2.84%
Net Delivered	7,560.08	97.2%	10,088.95	96.84%

Source Wise Fuel Cost/Energy Purchase Price				
Sources	March 2022			
	Reference		Actual	
	Mlns. Rs.	Rs./kWh	Mlns. Rs.	Rs./kWh
Hydel	-	-	-	-
Coal	14,601.72	8.4710	32,104.21	12.4116
HSD	-	-	-	-
RFO	936.08	13.7701	24,913.08	22.5214
Gas	14,154.69	7.7943	7,710.68	7.7672
RLNG	15,539.38	8.7648	28,235.70	14.3643
Nuclear	882.54	1.0056	1,616.12	1.0335
Import Iran	395.90	11.5709	741.95	17.3565
Mixed	221.73	6.5872	63.88	4.8339
Wind	-	-	-	-
Baggasse	585.01	6.1400	640.13	5.9822
Solar	-	-	-	-
Total	47,317.06	6.0815	96,025.75	9.2171
Supplemental Charges	-	-	(3,048.04)	(0.2926)
Sale to IPPs	(221.29)	-	(1,193.09)	(35.3179)
Grand Total	47,095.77	6.0530	91,784.61	8.8100
Transmission Losses	-	0.1765	-	0.2875
Net Total	47,095.77	6.2295	91,784.61	9.0975

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National Electric Power Regulatory Authority



NOTIFICATION

Islamabad, the May 6, 2022

S.R.O. 565 (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 March 2022 in respect of Ex-WAPDA Distribution Companies (XWDISCOs):

Description	March 2022
Actual Fuel Charge Component for March 2022	Rs.9.0975/kWh
Corresponding Reference Fuel Charge Component	Rs.6.2295/kWh
<b>Fuel Price Variation for the month of March 2022 - Increase</b>	<b>Rs.2.8680/kWh</b>

Note: The Authority has reviewed and assessed an increase of Rs.2.8680/kWh in the applicable tariff for Ex-WAPDA DISCOs on account of variation in the fuel charges for the month of March 2022 as per the above details.

2. The above adjustment an increase of Rs.2.8680/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 March 2022 by the XWDISCOs. XWDISCOs shall reflect the fuel charges adjustment in respect of March 2022 in the billing month of May 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.

( Iftikhar Ali Khan )  
Registrar

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6/5/22