



National Electric Power Regulatory Authority
Islamic Republic of Pakistan

Registrar

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No. NEPRA/R/TRF-100/MFPA/10067-83

June 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 st Floor, WAPDA House, Shami Road, Sakhi Chashma, Peshawar

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

Enclosed please find herewith copy of the Decision of the Authority (14 Pages) regarding adjustment in fuel charges in respect of Ex-WAPDA Distribution Companies for the month of April 2022 and its Notification i.e. S.R.O. 779(I)/2022 dated 09.06.2022.

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)

(Syed Safer Hussain)

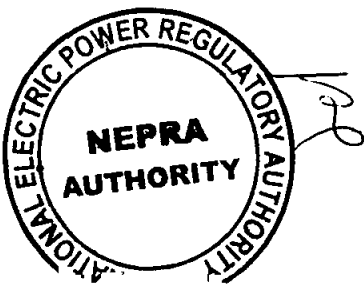
CC:

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 APRIL 2022 FOR EX-WAPDA DISCOS**

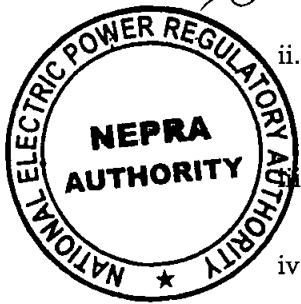
1. Pursuant to the provisions of Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act 1997, (NEPRA Act) read with the mechanism/formula determined by the Authority in the tariff determinations for Ex-WAPDA DISCOs notified in the Official gazette, the Authority 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 April 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 April 2022 is Rs.10.6641/kWh, against the reference fuel cost component of Rs.6.6087/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 April 2022 increased by Rs.4.0554/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 May 20, 2022 and also uploaded on NEPRA's Website for information of all concerned stakeholders.
5. The Authority conducted the hearing in the matter on May 31, 2022 (Tuesday) 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. Written comments have been filed by Engro Powergen Qadirpur (EPQL), submitting that opportunity is available to the Authority to provide benefit to consumer through better utilization of idle fuel available from Kandhkot field and capacity available at EPQL plant currently being despatched on expensive HSD. It further stated that due to declining reserves in Qadirpur gas field, gas supply to EPQL plant has reduced and the plant is currently receiving 32 mmscfd gas from Qadirpur gas field which can generate 110 MW. The shortfall capacity (107 MW) is currently available on secondary and more expensive fuel, high speed diesel (PKR 33/unit), although EQPL can provide this output at a much lower rate (PKR 7.2 /unit), if additional gas (30 mmscfd) is provided from Qadirpur gas field or any alternate source.
7. 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



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- Southern Gas Company Limited (SSGCL), Sui Northern Gas Pipelines Limited (SNGPL) and Ministry of Finance despite serving the hearing notice.
8. 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.
- iv. All purchases have been made in accordance with the Power Purchase Agreement
- v. The above statement is true, based on facts and from verifiable documentary evidences. In case of any deviation / variation observed if not rectified at later stage, CPPA-G will be responsible for the consequences arising out of any misstatement under NEPRA Act and its Rules & Regulations.
- c) **Power Plants Operations**
- 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 April 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 .
9. 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.
10. The Authority observed that CPPA-G has purchased energy of 51.953 GWh from Tavanir Iran in April 2022 at a cost of Rs.916.035 million, however, contract between CPPA-G and

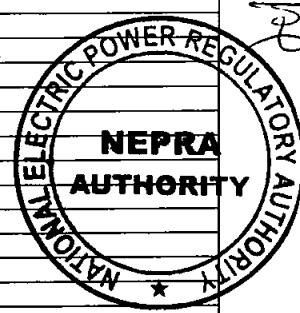


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- Tavanir Iran for import of Power up-to 104 MW has expired on December 31, 2021. In view thereof, the cost of electricity purchased from Tavanir Iran is being allowed strictly on provisional basis, subject to its adjustment once the Authority decides 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.
11. The Authority, from the data provided by CPPA-G, observed that fuel cost of power plants have been claimed by CPPA-G as per the Authority's approved rates, accordingly, the same has been allowed for the month of April 2022.
 12. CPPA-G also claimed positive amount of Rs.2,048 million on account of previous adjustments in the FCA of April 2022. An amount of Rs.1,956 million has been verified and allowed by the Authority.
 13. Regarding adjustment of Uch-II, although CPPA-G provided invoices against the claimed amount, however, the same needs to be verified by the Authority. Till the time the Authority completes its verification the claimed adjustment for UCH-II i.e. Rs. 75.359 million has been excluded while working instant month FCA of XWDISCOs.
 14. Regarding deduction of Rs. 0.5 million for QATPL, Rs. 7.91 million for HBS and Rs. 8.02 million for Balloki power plant, CPPA-G claimed adjustments was not as per the Authority approved rates, therefore, the said amounts have been adjusted while working out instant monthly FCA.
 15. Accordingly, the adjustments have been included in the monthly FCAs of April 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.	Deduction	Month it Pertains
Atlas Power	1,080,641	1,080,641	-	Feb-22
Nishat Power	(5,399,054)	(5,399,054)	-	Feb-22
Foundation Power	(3,506,994)	(3,506,994)	-	Feb-22
Orient	(2,785)	(2,785)	-	Feb-22
Nishat Chunian	60,651,964	60,651,964	-	Feb-22
Engro Energy	(65,117,083)	(65,117,083)	-	Feb-21, Jul-21, Nov-21, Dec-21
Hubco Narowal	(21,113,611)	(21,113,611)	-	Feb-22
Liberty Power	(15,943,825)	(15,943,825)	-	Feb-22
Uch-II	75,358,863	-	75,358,863	D/N
China Hub Power (Pvt.) Ltd	(142,995,860)	(142,995,860)	-	Feb-22
Engro PowerGen Thar TPS	2,835,229,072	2,835,229,072	-	Mar-22
QATPL	(24,824,297)	(25,351,008)	526,711	Feb-22
Haveli Bahadur Shah	(145,800,177)	(153,710,515)	7,910,338	Feb-22
Huaneng Shandong Ruyi Energy (Pvt) Ltd	(15,173,032)	(15,173,032)	-	Feb-22
Baloki	(104,472,216)	(112,495,994)	8,023,778	Feb-22
Port Qasim	(269,869,936)	(269,869,936)	-	Feb-22
AES Lalpir	(191,018,807)	(191,018,807)	-	Feb-22
Pak Gen Power Limited	(66,176,723)	(66,176,723)	-	Feb-22
Habibullah	185,612,152	185,612,152	-	-
Roush	(2,056,421)	(2,056,421)	-	Feb-22
Saba Power	(4,291,358)	(4,291,358)	-	Feb-22
Uch	2,200,418	2,200,418	-	Feb-22
Chashma Nuclear	(49,495,354)	(49,495,354)	-	Feb-22
Tavanir Iran	15,726,218	15,726,218	-	Feb-22
Total	2,048,601,794	1,956,782,103	91,819,691	



16. As per the data submitted by CPPA-G, XWDISCOs purchased 9.383 GWh from Captive Power Plants (CPPs) during April 2022, for which CPPA-G provided actual details of

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energy purchased from these plants. According to the details provided by CPPA-G, the actual fuel cost of this energy is Rs.41.622 million. The same being as per the NEPRA approved mechanism, has been considered while working out the FCA of April 2022.

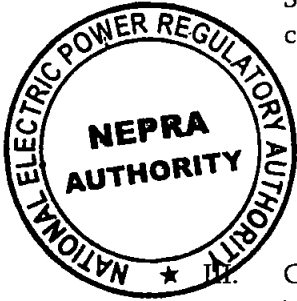
17. During the hearing, the Authority also observed that energy from costlier RFO based power plants was generated to the tune of over Rs.44,094 million during the month of April 2022. The Authority has been directing NPCC/NTDC & CPPA-G repeatedly to provide complete justification in this regard, to 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;
- 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.



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

19. 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. 580 million (Rs. 578 million financial impact due to System constraints and Rs. 2 million due to underutilization of efficient power plants). 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. During the hearing, CPPA-G and NPCC also agreed to revise the EMO list that is posted on their website to exclude the RFO, Gas and RLNG power plants which are not supplying energy to CPPA-G due to lack of availability of fuel.

20. Further, while reviewing the FCA claim, the Authority observed that Partial Load was provided to Balloki, QATPL and Huaneng Shandong Ruyi (Pakistan) Energy (Private) Limited (HSRPEL) power plants even during Forced Outages and Failure to Achieve Despatch (FADL), which is non-performance/fault of the said power producers. The

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- 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.85.702 million (Rs.16.796 million for QATPL, Rs.68.547 million for Balloki and Rs.0.359 million for HSRPEL) for the month of March 2022 has been deducted on account of Partial Load charges, while working out the FCA of April 2022.
21. The Authority form the information/ data submitted by CPPA-G and NTDC/ NPCC observed that the first most efficient RLNG power plants in Pakistan Power Sector are the "Quaid-e-Azam Thermal Power Plant (QATPL), two power plants of National Power Parks Management Company limited at Haveli Bahadur Shah (HBS) and Baloki; efficiency of these power plants is above 61%. It is encouraging that utilization of three most efficient RLNG power plants has increased; QATPL around (77%), HBS around (84%) and Baloki around (80%). Although their utilization factors have been increased but still the accumulated claim by these power plants against part load operation is Rs.1.74 billion. In the wake of high load demand in the system and ongoing electricity shortfall in the country, the full utilization of these power plants could minimize the load shedding, through generation of electricity by cheaper resources on one hand while on the other hand it could help avoid part loud charges of Rs.1.74 billion.
 22. The Authority also noted that the second most efficient RLNG power plants in Pakistan are the Orient, Saif, Sapphire and Halmore power plants; efficiency of these power plants is above 51%. The utilization factor of Orient, Saif, Sapphire and Halmore on RLNG fuel was 61%, 42%, 43% and 64% respectively. Similarly, the utilization factor of Saif Power and Sapphire Electric on HSD was around 16% and 15%. Operation of these power plants on part load resulted part load adjustment charges claim of more than Rs.422 million. Like the RING power plants mentioned in the above para, full utilization of these power plants was also necessary to minimize the load shedding through generation of electricity by cheaper resources and avoid the part load charges of Rs.422 million.
 23. The Authority further observed that 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. Low utilization factor of machines at GENCO-II has resulted in operation of costlier power plants. The utilization of inefficient GENCO-1 (JPCL) and GENCO III (NPGCL) power plants that too on RFO fuel, while leaving the efficient power plant unutilized or underutilized was undesirable and resulted in higher Energy Purchase Price (EPP) during the month. Similarly, use of HSD in operating dual fuel Sail Power, Sapphire Electric, KAPCO Block-I and KAPCO Block-2 power plants was undesired and has resulted in increased EPP during the month. The Per unit cost (Rs./kWh) as well as the utilization factor (%) of various thermal power plants as computed by the M&E department from the submitted data by CPPA G is attached herewith. The computed data clearly indicates the need for better management to improve the situation of electricity generation and cost control within the available resources.
 24. The Authority considers that importance should be given to improve the planning by NTDC i.e. accurate (best possible) estimation of RLNG requirement that too well before time and operation of the power plants in strict merit order to reduce the burden of higher EPP.

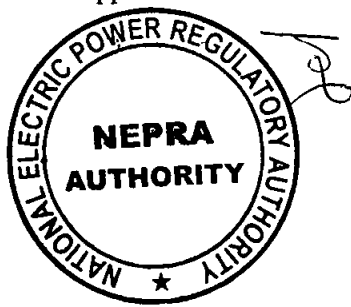




- Situation can be improved a lot by better planning and effective management of existing resources.
25. The Authority further noted that currently the fuel cost adjustment is determined with a lag of one month, the FCA for the month of April 2022 is being determined in June 2022. The FCA, either upward or downward, has huge financial impact both for the power sector as well as consumers and must be passed on as early as possible to ensure the revenue recovery for DISCOs and benefit to consumer in case of downward adjustment. Therefore, efforts must be made by CPPA-G to submit FCA data immediately after the month for early determination by the Authority.
26. In view of the above discussion, the Authority has calculated the fuel cost for the month of April 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.
27. NTDC, reported provisional T&T losses of 332.5 GWh i.e. 2.63%, based on energy delivered on NTDC system during April 2022. NTDC in addition also reported T&T losses of 46.406 GWh i.e. 2.75%, for PMLTC (HVDC) line.
28. 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%.
29. Accordingly, for the month of April 2022, T&T losses of 332.52 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. 46.41 GWh, being within the Authority's allowed limit have also considered while working out the FCA of April 2022.
30. 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.
31. The Authority, after incorporating the aforementioned adjustments, has reviewed and assessed an increase of Rs.3.9923/kWh (**Annex-II**) in the applicable tariff for XWDISCOs on account of variations in the fuel charges for the month of April 2022 as per the following details:

Actual Fuel Charge Component for April 2022	Rs.10.6010/kWh
Corresponding Reference Fuel Charge Component	Rs.6.6087/kWh
Fuel Price Variation for the month of April 2022-Increase	Rs.3.9923/kWh

32. In view of the aforementioned, the Authority has decided that adjustment as referred above;
- a. Shall be applicable to all the consumer categories except lifeline consumers.




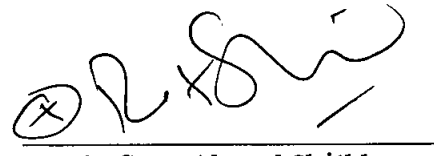
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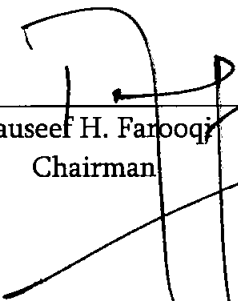


- b. Shall be shown separately in the consumers' bills on the basis of units billed to the consumers in the month of April 2022.
- c. XWDISCOs shall reflect the fuel charges adjustment in respect of April 2022 in the billing month of June 2022; and
- d. While effecting the Fuel Adjustment Charges, the concerned XWDISCOs shall keep in view and strictly comply with the orders of the courts notwithstanding this order.

AUTHORITY



Engr. Maqsood Anwar Khan
Member


Rafique Ahmed Shaikh
Member


Tauseef H. Farooq
Chairman

⊗ My additional note is attached here with.

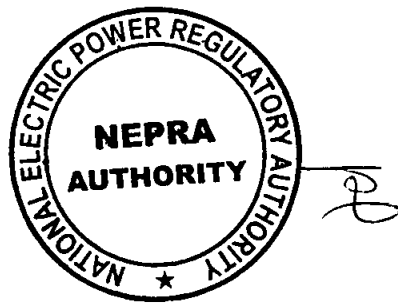



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Additional Note on decision of the Authority regarding Fuel Charges Adjustment of XWDISCOs for the month of April, 2022:

As per the data submitted by NPCC, the average RLNG allocated to power sector during the month of April, 2022 was 552 MMCFD against a demand of 690 MMCFD that resulted in indicative financial impact of Rs. 2,379 Million during the aforesaid month. During the FCA hearing of XWDISCOs for the month of April, 2022, the reason for not utilizing the efficient RLNG power plants appears to be non-availability of RLNG. One reason for shortage of RLNG was lesser demand by NTDC/NPCC i.e. requisition of around 690 mmcf against the actual demand of around 800 mmcf (as appraised by the system operator to the Authority) an other reason is less supply of RLNG by concerned quarters against the demanded quantity of RLNG. Efforts should have been made to improve the supply chain of RLNG to fully utilize the most efficient RLNG power plants and avoid the part load adjustment charges.

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



A handwritten signature in black ink, appearing to be "Rashid", written above a horizontal line.

CENTRAL POWER PURCHASING AGENCY (CPA)
Energy Procurement Report (Provisional)
For the Month of April 2022

S.No.	Power Producers	Fuel	Dep. Capacity (MW)	Energy KWh	Fuel Charges R/L	VOM Charges R/L	EPP Billing month (R/L)	Prev. Adjustment in Fuel Cost (R/L)	Prev. Adjustment in VOM (R/L)	Prev. Adjustment in EPP Total R/L	Supp. Charges	Total Fuel Cost R/L	Total VOM R/L	Total Energy Cost (R/L)
4	AES Lalpur	RFO	350	151,865,800	5,044,497,728	43,384,110	5,087,881,038	(191,249,770)	(230,963)	(191,249,770)	185,612,152	4,853,478,821	43,153,147	4,896,632,068
5	PAK GEN Power Limited	RFO	350	144,011,000	4,827,288,738	41,140,188	4,868,428,926	(66,176,723)	(450,624)	(66,176,723)	185,612,152	4,801,781,898	40,888,574	4,842,670,472
7	Huzibwah	Gas	128											
8	Fajri Kabirwah	Gas	128											
9	Rouzeh	RLNG	395	4,719,661	106,744,480	2,190,588	108,935,068	(2,056,421)	(42,075)	(2,056,421)		2,190,588	106,878,637	
10	Saba Power	RFO	128	377,372,000	1,213,602,993	17,338,948	1,230,941,941	(4,291,358)	(68,578)	(4,291,358)		1,198,269,160	17,338,948	1,215,608,108
12	Uch	Gas	549	3,177,372,000	3,410,025,437	187,988,277	3,605,310,704	2,200,418	(68,578)	2,131,840		3,412,225,645	187,899,699	3,599,125,544
13	Altem	Gas	272											
14	Liberty	Gas	212	56,488,400	1,006,660,664	31,049,827	1,037,710,491	(49,485,354)	(68,578)	(49,485,354)		1,006,660,664	31,049,827	1,037,710,491
16	Chashma Nuclear	Nucl.	300	14,983,000	261,999,782	261,999,782	261,999,782					212,504,428		212,504,428
17	Chashma Nuclear-II	Nucl.	315	221,884,000	250,518,326	250,518,326	250,518,326					250,518,326		250,518,326
18	Chashma Nuclear-III	Nucl.	340	186,345,000	229,427,864	229,427,864	229,427,864					229,427,864		229,427,864
19	Chashma Nuclear-IV	Nucl.	340	225,728,000	269,180,640	269,180,640	269,180,640					269,180,640		269,180,640
20	Karachi Nuclear Power Plant-Unit-2	Nucl.	1,140	742,785,000	673,280,324	673,280,324	673,280,324					673,280,324		673,280,324
21	Karachi Nuclear Power Plant-Unit-3	Nucl.	1,145	659,459,000	597,733,638	597,733,638	597,733,638					597,733,638		597,733,638
22	Tarapur Unit	Import	86	1,953,000	916,035,296	916,035,296	916,035,296					931,761,514		931,761,514
Sub-Total:			8,633	3,070,506,707	35,450,186,302	776,328,258	39,226,514,558	(285,127,077)	(1,464,957)	(286,592,034)	185,612,152	35,340,871,376	774,863,298	36,115,734,674
1	Attock Gen	RFO	156	87,196,021	2,532,611,187	152,732,550	2,685,343,737					2,532,611,187	152,732,550	2,685,343,737
2	Alam Power	RFO	214	124,007,638	2,155,397,183	214,533,210	2,369,930,393	1,080,641		1,080,641		2,155,397,183	214,533,210	2,369,930,393
3	Sheikh Power	RFO	195	91,548,481	1,58,380,619	158,380,619	1,58,380,619	(5,398,999)	55	(5,398,999)		1,58,380,619	158,380,619	1,58,380,619
4	Foundation Power	Gas	171	113,912,239	786,477,817	81,581,148	868,058,965	(15,178)	(5,558,172)	(15,178)		782,970,633	864,480,963	1,647,451,596
5	Orient	RLNG	213	92,986,330	2,022,553,675	41,178,263	2,063,731,938	(2,785)	(2,785)	(2,785)		2,022,550,889	41,178,263	2,063,729,152
6	Night Chunitan	RFO	196	78,028,322	1,897,843,070	134,869,081	2,032,712,150	60,851,964	(1)	60,851,964		2,028,495,034	134,869,080	2,163,364,114
7	Self Power	RLNG	204	61,691,302	1,333,619,230	24,958,391	1,358,577,621					585,515,401	46,484,396	631,999,787
8	Egro Energy	Gas	213	36,282,228	293,939,549	22,873,907	316,813,456	(65,117,063)	(79,322)	(65,117,063)		228,822,466	22,884,585	251,707,051
9	Saphira Power	RLNG	203	63,283,098	1,086,142,077	47,137,333	1,133,279,410					1,086,142,077	47,137,333	1,133,279,410
10	Hulco Narwal	RFO	214	85,412,994	1,860,652,764	128,768,562	1,989,421,326	(21,113,611)	(31,995,088)	(52,708,699)		605,304,955	23,349,168	628,654,123
11	Liberty Power	RFO	196	86,523,908	2,532,112,062	186,797,325	2,718,909,387	(15,943,825)	(0)	(15,943,825)		2,516,188,232	97,173,174	2,613,361,406
12	Halmont	RLNG	189	92,453,269	2,003,825,658	69,977,878	2,073,803,537					2,003,825,658	69,977,878	2,073,803,537
13	Uch-II	HSD	381	248,241,861	1,987,426,192	103,094,888	2,090,521,078	75,538,863		75,538,863		2,042,788,055	103,094,888	2,145,882,941
14	JDM-II	Bagasse	26	16,899,800	100,917,321	13,094,184	114,011,505					100,917,321	13,094,184	114,011,505
15	JDM-I	Bagasse	26	17,159,400	102,851,322	13,319,173	116,170,494					102,851,322	13,319,173	116,170,494
16	RYK	Bagasse	21	11,056,700	66,143,391	8,882,213	75,025,604					66,143,391	8,882,213	75,025,604
17	Chitrod Power	Bagasse	62	35,984,530	212,333,987	25,040,509	237,374,496					212,333,987	27,984,652	240,318,639
18	Hemza Sugar Mills	Bagasse	15	5,777,010	9,537,475	57,969,864	67,507,339					57,969,864	7,138,993	65,146,332
19	Chashma Energy Limited	Bagasse	30	3,893,430	30,633,111	3,893,430	34,526,541					3,893,430	3,893,430	38,420,000
20	Chashma Energy Limited	Bagasse	30	9,782,637,400	9,782,637,400	46,637,743	9,829,275,143					9,829,275,143	46,637,743	9,875,912,886
21	Chashma Energy Limited	Coal	1,220	867,335,400	3,252,333,820	131,267,365	3,383,500,185					6,087,581,892	132,501,203	6,220,082,097
22	Enam Power Co. Than TPS	Coal	680	121,202,600	72,412,437	81,888,067	103,690,503					72,412,437	9,305,639	81,888,067
24	Layyah Sugar Mills	Bagasse	41	12,104,650	10,561,674,607	433,511,880	10,995,186,487					10,531,050,310	433,511,880	10,964,562,190
25A	QATL	HSD	1,180	748,177,700	11,540,758,885	176,719,573	11,717,478,258	(145,800,177)		(145,800,177)		11,394,958,508	176,719,573	11,571,678,081
26	Nueng Bahadur Shah	RLNG	1,230											
27	Nueng Bahadur Shah	HSD	1,230											
28A	Bakel	Coal	1,320	448,757,000	11,106,289,091	97,000,591	11,203,289,682	(16,583)	(16,583)	(16,583)		11,093,118,059	97,182,008	11,190,298,067
30	Port Qasim	Coal	1,320	758,596,400	11,857,950,877	199,890,878	12,057,841,755	(104,472,216)		(104,472,216)		11,753,478,461	199,890,878	11,953,369,339
31	Lucky Electric Power Company Limited	Coal	660	355,872,800	5,447,095,839	78,220,841	5,525,316,680	(269,869,936)	(4,433,586)	(274,303,522)		5,177,225,903	73,787,255	5,251,013,158
Sub-Total:			12,037	5,748,657,400	90,248,161,541	3,247,289,668	92,495,451,209	2,158,101,669	(37,085,884)	2,121,015,785	185,612,152	92,402,833,210	3,210,203,784	95,612,486,994
CPA Total:			20,670	9,417,164,107	125,698,247,842	4,023,617,924	129,721,965,767	1,862,974,592	(38,550,841)	1,824,423,751		127,746,934,595	3,865,067,083	131,732,001,670



Notes

CENTRAL POWER PURCHASING AGENCY (CPPA)
Energy Procurement Report (Provisional)
For the Month of April 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.)
29	Tricon Boston-C	Wind	50	15,838,376	-	-	-	-	-	-	-	-	-	-
30	ZEPHYR Wind	Wind	50	16,710,083	-	-	-	-	-	-	-	-	-	-
31	Foundation Wind Energy-II (Pvt.) Limited	Wind	50	11,460,990	-	-	-	-	-	-	-	-	-	-
32	Master Green Energy Limited	Wind	50	11,785,010	-	-	-	-	-	-	-	-	-	-
33	Lucky Renewables (Private) Limited	Wind	50	14,625,070	-	-	-	-	-	-	-	-	-	-
34	ACT2 DIN Wind (Pvt) Ltd.	Wind	50	17,219,150	-	-	-	-	-	-	-	-	-	-
35	Artistic Wind Power (Pvt) Ltd.	Wind	50	17,074,500	-	-	-	-	-	-	-	-	-	-
36	Indus Wind Energy Ltd.	Wind	50	19,759,740	-	-	-	-	-	-	-	-	-	-
37	Wind: Lakeside Energy	Wind	50	18,679,250	-	-	-	-	-	-	-	-	-	-
38	Wind: Liberty-1	Wind	50	18,123,960	-	-	-	-	-	-	-	-	-	-
38	DIN Energy Ltd.	Wind	50	21,933,960	-	-	-	-	-	-	-	-	-	-
40	Wind: Gul Ahmed 2	Wind	50	21,625,580	-	-	-	-	-	-	-	-	-	-
41	Solar: Zhenfa	Solar	50	20,908,700	-	-	-	-	-	-	-	-	-	-
42	Wind: Liberty-2	Wind	100	109,770	-	-	-	-	-	-	-	-	-	-
43	Wind: NASDA	Wind	50	9,325,990	-	-	-	-	-	-	-	-	-	-
44	Wind: Metro 2	Wind	50	379,130	-	-	-	-	-	-	-	-	-	-
45	SPPs	Mixed	257	9,383,867	41,621,910	-	41,621,910	-	-	-	-	41,621,910	-	41,621,910
	Sub-Total		2,643	561,469,225	41,621,910	-	41,621,910	-	-	-	-	41,621,910	-	41,621,910
	G-Total:		38,107	12,960,414,884	132,746,144,144	4,446,408,828	137,192,552,972	1,862,974,592	(42,751,217)	1,820,223,375	185,612,152	134,794,730,888	4,403,657,611	139,198,388,499

Summary														
1	Hydel			2,404,353,441	-	213,049,106	213,049,106	-	(4,200,378)	(4,200,378)	-	-	208,848,730	208,848,730
2	Coal			2,168,931,900	31,094,241,430	934,503,370	32,028,744,800	2,407,190,244	(4,796,011)	2,402,394,233	-	33,501,431,673	929,707,359	34,431,139,033
3	HSD			58,491,782	1,622,280,950	86,339,597	1,708,620,547	-	-	-	-	1,622,280,950	86,339,597	1,708,620,547
4	F.O.			1,584,106,966	44,093,616,172	1,528,973,203	45,622,589,375	(242,225,823)	(32,991,413)	(275,217,236)	-	43,851,390,349	1,495,981,790	45,347,372,139
5	Gas			1,276,574,844	10,707,027,395	574,208,679	11,281,236,074	6,935,204	(199,078)	6,736,126	185,612,152	10,901,574,750	574,009,601	11,475,584,351
6	RLNG			2,516,649,158	41,352,152,442	1,025,265,263	42,377,417,705	(277,155,896)	-	(277,155,896)	-	41,074,996,545	1,025,265,263	42,100,261,808
6	Nuclear			2,251,194,000	2,282,120,674	-	2,282,120,674	(49,495,354)	-	(49,495,354)	-	2,232,625,320	-	2,232,625,320
7	Import from Iran			51,953,000	916,035,296	-	916,035,296	15,726,218	-	15,726,218	-	931,761,514	-	931,761,514
8	Wind Power			464,776,898	-	-	-	-	-	-	-	-	-	-
9	Solar			87,308,460	-	-	-	-	-	-	-	-	-	-
10	Begasse			106,490,568	637,047,876	84,069,610	721,117,486	-	(564,339)	(564,339)	-	637,047,876	83,505,271	720,553,147
11	Mixed			9,383,867	41,621,910	-	41,621,910	-	-	-	-	41,621,910	-	41,621,910
	Totals For The month			12,960,414,884	132,746,144,144	4,446,408,828	137,192,552,972	1,862,974,592	(42,751,217)	1,820,223,375	185,612,152	134,794,730,888	4,403,657,611	139,198,388,499
	Prev. Adjustments :			(22,372,270)	2,048,586,744	(42,751,217)	2,005,835,527	-	-	-	-	-	-	-
	GRAND TOTALS :			12,938,042,614	134,794,730,888	4,403,657,611	139,198,388,499							

Energy Cost (Rs.)	134,794,730,888	4,403,657,611	139,198,388,499
Cost not chargeable to DISCOs (Rs.)	892,188,006	-	892,188,006
EPP (Chargeable) (Rs.)	133,902,542,882	4,403,657,611	138,306,200,493
Energy Sold (KWh)	12,556,366,689	12,556,366,689	12,556,366,689
Avg. Rate (Rs./KWh)	10.6641	0.3507	11.0148

Reference Rate (Rs./KWh)	6.6087
FCA Rate (Rs./KWh)	4.0554



ADJUSTED				Annex-II
Source Wise Generation				
Sources	April 2022			
	Reference		Actual	
	GWh	%	GWh	%
Hydel	1,748.99	17.63%	2,404.35	18.55%
Coal	1,687.58	17.01%	2,168.93	16.74%
HSD	-	0.00%	58.49	0.45%
RFO	519.77	5.24%	1,564.11	12.07%
Gas	1,750.81	17.65%	1,276.57	9.85%
RLNG	2,995.81	30.20%	2,516.85	19.42%
Nuclear	745.20	7.51%	2,251.19	17.37%
Import Iran	42.43	0.43%	51.95	0.40%
Mixed	28.57	0.29%	9.38	0.07%
Wind	267.44	2.70%	464.78	3.59%
Baggasse	66.43	0.67%	106.49	0.82%
Solar	66.50	0.67%	87.31	0.67%
Total	9,919.54	100.0%	12,960.41	100.0%
Sale to IPPs	(14.11)	-0.14%	(21.74)	-0.17%
Transmission Losses	(184.09)	-1.86%	(378.93)	-2.92%
Net Delivered	9,721.34	98.0%	12,559.75	96.91%

Source Wise Fuel Cost/Energy Purchase Price				
Sources	April 2022			
	Reference		Actual	
	Mlns. Rs.	Rs./kWh	Mlns. Rs.	Rs./kWh
Hydel	-	-	-	-
Coal	14,156.03	8.3884	31,094.24	14.3362
HSD	-	-	1,622.28	27.7352
RFO	6,748.23	12.9832	44,093.62	28.1909
Gas	14,467.82	8.2635	10,707.03	8.3873
RLNG	27,314.59	9.1176	41,352.15	16.4301
Nuclear	754.90	1.0130	2,282.12	1.0137
Import Iran	490.96	11.5709	916.04	17.6320
Mixed	188.22	6.5872	41.62	4.4355
Wind	-	-	-	-
Baggasse	406.55	6.1199	637.05	5.9822
Solar	-	-	-	-
Total	64,527.31	6.5051	132,746.14	10.2424
Supplemental Charges	-	-	1,956.78	0.1510
Sale to IPPs	(282.13)	-	(892.19)	(41.0341)
Grand Total	64,245.18	6.4766	133,810.74	10.3246
EMO & FADL-Deductions	-	-	(665.70)	-
Transmission Losses	-	0.1320	-	0.2764
Net Total	64,245.18	6.6087	133,145.04	10.6009

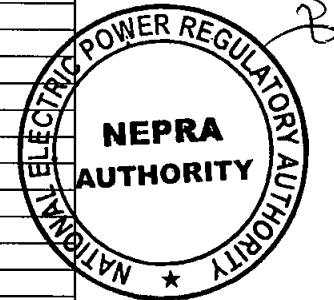
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Important Statistics of Thermal Power Plants during the month of April 2022

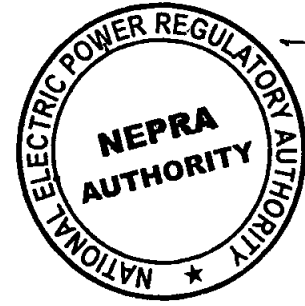
Sr. No.	Power Plant	Fuel	Dep. Cap.	Energy	Fuel Charges	VO&M Charges	EPP Billing Month	Per Unit Cost	Utilization Factor	Part Load Charges
			MW	kWh	Rupees	Rupees	Rupees	Rs/kwh	%	Rupees
1	Guddu 747 (CC)	Gas	721	229,985,000	1,521,219,967	152,158,076	1,673,378,043	7.28	44.32	
2	Guddu CC Block 1 (OC)	Gas	390	26,906,065	196,755,982	1,853,828	198,609,810	7.38	9.58	
3	Foundation Power	Gas	171	113,912,239	786,477,617	81,561,148	868,038,765	7.62	92.26	
4	Guddu (OC) Block-2	Gas	530	77,811,019	632,214,529	5,361,179	637,575,708	8.19	20.39	
5	Central Block 2 (CC)	Gas	-	109,575,932	890,304,448	8,187,451	898,491,899	8.20	28.71	
6	Uch-II	Gas	381	248,241,961	1,967,429,192	103,094,886	2,070,524,078	8.34	90.55	1,439,079
7	Engro Energy	Gas	213	36,282,228	293,939,549	22,973,907	316,913,456	8.73	23.66	31,587,837
8	Uch	Gas	549	377,372,000	3,410,025,427	167,968,277	3,577,993,704	9.48	95.39	
9	China Hub Power (Pvt.) Ltd	Coal	1,220	867,356,400	9,792,627,227	466,637,743	10,259,264,970	11.83	98.74	
10	Port Qasim	Coal	1,320	748,172,800	5,447,095,839	78,220,841	5,525,316,680	15.53	37.44	
11	Haveli Bahadur Shah	RLNG	1,230	748,177,700	11,540,758,685	176,719,573	11,717,478,258	15.66	84.48	504721618.5
12	Baloki	RLNG	1,320	758,598,400	11,857,950,677	199,890,678	12,057,841,355	15.89	79.82	504721618.5
13	QATPL	RLNG	1,180	655,247,400	10,561,874,607	433,511,680	10,995,386,287	16.78	77.12	734,951,072
14	Tavanir Iran	Import	96	51,953,000	916,035,296	-	916,035,296	17.63	75.16	
15	Sapphire Power	RLNG	203	63,263,096	1,088,142,077	47,137,333	1,135,279,410	17.95	43.25	72,619,721
16	Liberty	Gas	212	56,488,400	1,008,660,684	31,049,927	1,039,710,611	18.41	37.03	
17	Nandipur	RLNG	411	39,715,000	816,683,383	29,702,848	846,386,231	21.31	13.41	
18	Orient	RLNG	213	92,986,330	2,022,553,675	41,176,283	2,063,729,958	22.19	60.72	130,494,870
19	Saif Power	RLNG	204	61,691,302	1,353,619,220	24,958,391	1,378,577,611	22.35	42.02	98,003,388
20	Halmore	RLNG	199	92,453,269	2,003,825,658	69,977,879	2,073,803,537	22.43	64.45	122,892,242
21	Rousch	RLNG	395	4,716,661	106,744,460	2,190,598	108,935,058	23.10	1.66	
22	Hubco Narowal	RFO	214	85,412,949	1,860,652,764	128,768,562	1,989,421,326	23.29	55.48	
23	Nishat Power	RFO	195	91,549,491	1,980,874,647	158,380,619	2,139,255,266	23.37	65.10	
24	Huaneng Shandong Ruyi Energy (Pvt) Ltd	Coal	1,320	448,757,000	11,108,289,091	97,200,591	11,205,489,682	24.97	47.22	138,963,732
25	Atlas Power	RFO	214	124,007,636	2,955,387,183	214,533,210	3,169,920,394	25.56	80.54	
26	Hub Power	RFO	1,208	123,268,400	3,253,452,015	35,486,559	3,288,938,574	26.68	14.17	
27	Nishat Chunian	RFO	196	78,028,322	1,967,843,070	134,669,081	2,102,512,150	26.95	55.37	
28	Saif Power	HSD	204	22,950,588	585,515,401	46,484,396	631,999,797	27.54	15.63	
29	Engro PowerGen Thar TPS	Coal	660	121,292,800	3,252,332,820	133,167,365	3,385,500,185	27.91	25.52	
30	Kot Addu Block 1	RFO	325	199,593,600	5,431,228,628	153,123,129	5,584,351,757	27.98	85.30	
31	Sapphire Power	HSD	203	21,712,094	605,304,955	23,349,186	628,654,141	28.95	14.86	
32	KAPCO Block - 1 (HSD)	HSD	325	4,107,000	118,946,825	1,826,462	120,773,287	29.41	1.76	
33	Kot Addu Block 2	RFO	762	206,819,700	5,992,653,046	223,343,990	6,215,997,036	30.06	37.70	
34	Liberty Power	RFO	196	89,523,906	2,532,112,062	168,797,325	2,700,909,387	30.17	63.39	
35	Kohinoor Energy	RFO	124	51,820,000	1,543,175,367	51,396,505	1,594,571,872	30.77	58.04	
36	Jamshoro Block 1	RFO	182	40,866,000	1,255,918,431	3,780,105	1,259,698,536	30.83	31.19	
37	Attock-Gen	RFO	156	87,196,021	2,552,611,197	152,732,550	2,705,343,748	31.03	77.54	
38	Unit 3 (NPGCL)	RFO	170	12,091,826	372,921,587	2,425,124	375,346,711	31.04	9.85	
39	Unit 1 (NPGCL)	RFO	175	19,273,994	607,485,452	3,888,908	611,374,360	31.72	15.30	
40	Saba Power	RFO	126	37,575,046	1,202,863,645	10,738,948	1,213,602,593	32.30	41.57	
41	Unit-4 (JPCL)	RFO	156	13,012,000	427,834,560	1,550,022	429,384,582	33.00	11.55	



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42	AES Lalpir	RFO	350	151,865,800	5,044,497,728	43,384,110	5,087,881,838	33.50	60.26
43	KA Block 2 (HSD)	HSD	762	9,722,100	312,513,769	14,679,553	327,193,322	33.65	1.77
44	Pak Gen Power Limited	RFO	350	144,011,000	4,827,268,738	41,140,198	4,868,408,936	33.81	57.15
45	Unit-2 (JPCL)	RFO	155	9,478,000	327,123,692	876,715	328,000,407	34.61	8.51

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National Electric Power Regulatory Authority



NOTIFICATION

Islamabad, the June 9, 2022

S.R.O. 779 (T)/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 April 2022 in respect of Ex-WAPDA Distribution Companies (XWDISCOs):

Description	April 2022
Actual Fuel Charge Component for April 2022	Rs.10.6010/kWh
Corresponding Reference Fuel Charge Component	Rs.6.6087/kWh
Fuel Price Variation for the month of April 2022 - Increase	Rs.3.9923/kWh

Note: The Authority has reviewed and accepted an increase of Rs.3.9923/kWh in the applicable tariff for Ex-WAPDA DISCOs on account of variation in the fuel charges for the month of April 2022 as per the above details.

2. The above adjustment an increase of Rs.3.9923/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 April 2022 by the XWDISCOs. XWDISCOs shall reflect the fuel charges adjustment in respect of April 2022 in the billing month of June 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:

09/06/22

(Syed Safer Hussain)
Registrar