



National Electric Power Regulatory Authority Islamic Republic of Pakistan

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Registrar

No. NEPRA/R/DG(Tariff)TRF-100/MFPA/13105-20

May 25, 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 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 March 2023 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 and Mr. Tauseef H. Farooqi, Chairman NEPRA (total 15 Pages) regarding adjustment in fuel charges in respect of Ex-WAPDA Distribution Companies for the month of **March 2023** and its Notification i.e. S.R.O. 626 (I)/2023 dated May 25, 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: (Decision alongwith Notification is also available on NEPRA's website)


(Engr. Mazhar Iqbal Ranjha)

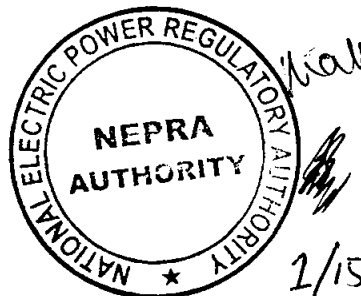
CC:

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 MARCH 2023 FOR EX-WAPDA DISCOS**

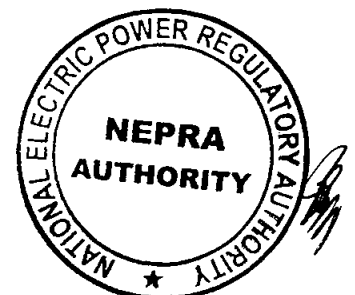
1. Pursuant to the provisions of Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act 1997, (NEPRA Act) read with the mechanism/ formula determined by the Authority in the tariff determinations for Ex-WAPDA DISCOs notified in the Official gazette, the Authority 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 2023, 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 2023 is Rs.9.8860/kWh (including previous arrears claim of Rs. 13.385 billion having impact of around Rs.1.5824/kWh), against the reference fuel cost component of Rs.8.7122/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 including arrears, for the month of March 2023 increased by Rs.1.1738/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 20, 2023 and also uploaded on NEPRA's Website for information of all concerned stakeholders.
5. The Authority conducted the hearing in the matter on May 03, 2023 at NEPRA Tower, Ataturk Avenue (East), G-5/1, Islamabad through zoom. The date of hearing was mentioned in the advertisement published in newspapers and also uploaded on NEPRA's website, whereby participation in the hearing and filing of comments/objections from any interested/affected person were invited. Separate notices were also sent to the interested / affected parties.
6. On the date fixed for hearing, representatives from CPPA-G, National Power Control Center (NPCC)/NTDC, Media and General Public were present. However, no representation was made from WAPDA Power Privatization Organization (WPPO), Sui Southern Gas Company Limited (SSGCL), Sui Northern Gas Pipelines Limited (SNGPL) and Ministry of Finance despite serving the hearing notice.





7. The Authority observed that while submitting the monthly FCA request, CPPA-G and NTDC/NPCC certifies that;
- a) **2002 Power Policy Plants**
 - 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 (HUBCO Inclusive)**
 - i. All purchases have been made from IPPs under 1994 Policy, including HUBCO & 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 March 2023.
 - ii. Partial Loading of power plants strictly in accordance with the provision of their respective Power Purchase Agreement and the plants were operated on partial load as per system load demand variations and for fuel conversation where needed.

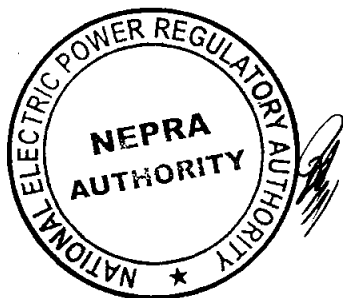
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8. Accordingly for the purpose of instant FCA, the information along-with certification given by CPPA-G has been relied upon. In case of any variation, error, omission or misstatement found out at a later stage, CPPA-G shall be responsible and the same would adjusted in the subsequent monthly fuel charges adjustment.
9. The Authority observed that CPPA-G has purchased energy of 31.58 GWh from Tavanir Iran in March 2023 at a cost of Rs.738 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. In addition CPPA-G also claimed Negative Previous adjustment of Rs.129 million on account of Energy from Tavanir for the month of January 2023, the same has also been provisionally accounted for while working out the instant monthly FCA.
10. Regarding the current month cost of March 2023, the fuel cost of the following power plants have been adjusted downwards as per the Authority's latest approved FCC rates, as detailed below;

Plants	Energy (kWh)	Fuel Charge Claimed by CPPA-G - Rs.	Fuel Charge as per NEPRA approved FCC - Rs.	Adjustment in Rs.
Orient	48,249,625	1,411,103,395	1,318,391,780	(92,711,615)
Sapphire Power	41,882,680	1,220,067,072	1,194,720,984	(25,346,088)
QATPL	390,834,700	9,695,325,030	9,576,885,057	(118,439,973)
Baloki	684,951,700	16,758,076,502	16,375,387,318	(382,689,184)
Punjab Thermal Power	20,042,300	676,836,488	673,764,195	(3,072,293)
Total	1,185,961,005	29,761,408,487	29,139,149,334	(622,259,153)

11. CPPA-G also claimed net positive amount of Rs.760 million as previous adjustment in the FCA claim of March 2023. For Previous Adjustment of Rs. 427 million for Port Qasim, Rs. 215 million pertaining to January 2023, owing to revision in Fuel Prices and verification of PPA factors, the same being in line with Authority's approved rates has been included while working out instant monthly FCA. Regarding remaining amount of Rs. 211.8 million pertaining to the period from June 2022 to November 2022, Technical and Financial verification of invoices are required. Till the time the invoices of Port Qasim are verified for the claimed period, and CPPA-G provides complete reconciliation of claimed amount viz a viz amount already allowed in this regard, the same has been provisionally withheld while working out instant monthly FCA.
12. Similarly Previous Adjustment of Rs. 191 million for GENCO-II i.e. Guddu pertains to the period from January 2022 to June 2022, included in the total adjustment, Technical and Financial verification of invoices are required. Till the time the invoices of GENCO-II are verified for the claim period, and CPPA-G provides complete reconciliation of claimed amount viz a viz already amount allowed in this



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regard, the same has been provisionally withheld while working out instant monthly FCA.

13. Regarding previous adjustment of KAPCO of Rs.126.43 million pertaining to January 2023, the Authority in FCA of January 2023, has decided as under;

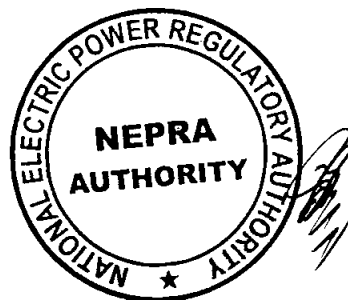
While going through the FCA data of January 2023, it was noted that energy and fuel cost of KAPCO was claimed in the FCA. In this regard it is important to highlight that the terms of PPA of KAPCO expired on October 24, 2022 and no further PPA was signed. Upon inquiry during hearing regarding procurement from KAPCO without any PPA, NPCC informed that KAPCO was operated by System Operator to restore country wide blackout occurred in January 2023, based on the directions of the Minister for Power. The Authority also inquired basis for claiming the energy cost considering the fact that no PPA existed between the parties. Representative of CPPA-G informed that Energy cost (Fuel & Variable O&M) has been claimed based on open cycle operations of the plant as per the mechanism provided in previous PPA of KAPCO.

The Authority directed NPPCC/CPPA-G to provide complete detail for operation of KAPCO power plant along-with relevant approvals for consideration of the Authority. However, no such details/approvals have been provided by NPCC/CPPA-G to NEPRA.

Considering the fact that no fuel cost component for KAPCO is approved by the Authority, and terms of PPA have also expired, therefore, for working out instant monthly FCA, the cost of KAPCO has been provisionally withheld, till the time NPPCC/CPPA-G provides complete detail for operation of KAPCO power plant along-with relevant approvals for consideration/approval of the Authority.

14. In light of aforementioned decision of the Authority and considering the fact that no Fuel cost component has been got approved from the Authority by KAPCO, therefore the claimed cost of Rs. 126.43 million by CPPA-G has not been accounted for while working out instant monthly FCA of DISCOs
15. 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;

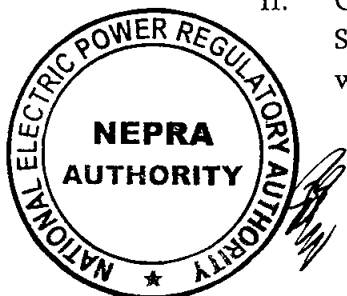
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Power Plants	Prev. Adj. Claimed by CPPA-G Rs.	Prev. Adj. allowed Rs.	Deduction
Attock-Gen	27,875,537	27,875,537	-
Atlas Power	68,755,847	68,755,847	-
Nishat Power	35,421,754	35,421,754	(0)
Foundation Power	(841,594)	(841,594)	-
Orient	84,680,178	84,680,178	-
Nishat Chunian	49,765,980	49,765,980	(0)
Saif Power	65,891,374	65,891,374	-
Engro Energy	(5,672,394)	(5,672,394)	-
Saphire Power	36,804,474	36,804,474	-
Hubco Narowal	47,481,237	47,481,237	-
Liberty Power	17,901,553	17,901,553	-
Halmore	31,888,585	31,888,585	-
Uch-II	(1,693,504)	(1,693,504)	-
China Hub Power (Pvt.) Ltd	(4,405)	(4,405)	-
Engro PowerGen Thar TPS	(7,813,851)	(7,813,851)	-
QATPL	(174,950,042)	(174,950,042)	-
Haveli Bahadur Shah	(8,263,603)	(8,263,603)	-
Baloki	(121,885,922)	(121,885,922)	-
Port Qasim	427,714,854	215,841,862	(211,872,992)
Lucky Electric Power Compan	(1,663,564)	(1,663,564)	(0)
Tavanir Iran	(129,030,620)	(129,030,620)	-
KAPCO	126,431,387	-	(126,431,387)
GENCO-II ***	191,267,637	-	(191,267,637)
Total	760,060,382	230,488,364	(529,572,018)

16. CPPA-G in the instant monthly FCA has also claimed Rs.13.38 billion as arrears, which was previously withheld by the Authority in June 2021. Out of total claim of Rs. 13.38 billion, an amount of Rs. 8.764 billion has been verified and Rs. 819 million has been disallowed. The verified amount of Rs.8.746 million has been included while working out the FCA of March 2023. Regarding remaining amount of Rs. 3.802 billion which is under process of verification, CPPA-G during hearing requested to allow the same on provisional basis, considering the high interest charges on pending amount which is neither in the interest of consumers nor the power sector. The Authority keeping in view the request of CPPA-G has decided to allow the remaining amount of Rs. 3.802 billion on provisional basis in the FCA of March 2023, subject to adjustment based on outcome of final verification.
17. During the hearing, the Authority also observed that energy from expensive power plants was generated, during the month of March 2023. 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;

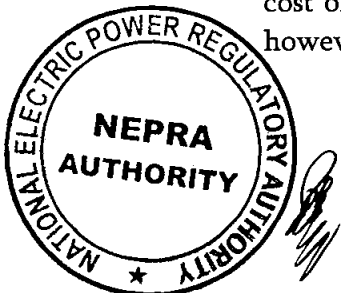


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- a. all dispatch deviation from merit order;
 - b. the plants available but not dispatched ; and
 - c. Dispatch deviation justified or unjustified in terms of SDC of Grid Code along-with their financial impact.
- III. CPPA-G shall share the report with the system operator and also submit it to NEPRA at the time of filing of monthly fuel price adjustment request.
18. The Authority observed that the required data/information was submitted by CPPA-G along-with the monthly FCA data of March 2023, 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. It was observed that during March 2023, the System Operator had curtailed the drawl of energy from efficient power plants due to following reasons along-with financial impact of such deviations;
- i. System constraints i.e. due to overloading of Thar-Matiari CCT, Rs.275 million
 - ii. Due to contractual obligations, Rs.412 million
 - iii. Due to permanent fault, Rs. 485 million
 - iv. North South Balancing Rs.78 million
20. Permanent fault was on Guddu-Shikarpur CCT from 28.02.23 to 16.03.23. As a general statement, NPCC has informed that the generation was curtailed from economical plants in South to maintain balance of generation in North-South and to follow the winter table for HVDC.
21. In view of the above, the financial impact on account of system constraints, permanent fault, contractual obligation, north-south balancing & underutilization, amounting to Rs.1,250 million, is provisionally withheld from the FCA claim for the month of March 2023, till the time NTDC provides complete justification to the satisfaction of the Authority.
22. CPPA-G vide its letter dated March 15, 2023, sought advice regarding relevant entity for withholding the amount of deduction from EMO. CPPA-G in its letter referred to NEPRA FCA decision for the month of January 2023, wherein the Authority withheld Rs.5,465 million on account of deviation from EMO.
23. Since the deduction is made by the Authority due to deviation from EMO by NPCC, which is part of NTDC, therefore, the Authority directs CPPA-G to pass on the impact of such deduction to NTDC. Any such adjustments in the past made by the Authority on account of deviation from EMO should also be recovered from NTDC.
24. As per the data of FCA for March 2023, submitted by CPPA-G, AL-Noor Sugar Mills Limited (ANSML) supplied 0.806 GWh to SEPCO at a cost of Rs. 4.871 million based on the Authority's approved rate of Rs.6.04/kWh. CPPA-G included the energy & cost of electricity supplied by ANSM as part of overall pool cost. The Authority, however, while approving the Power Acquisition Contract (PAC) filed by Sukkur



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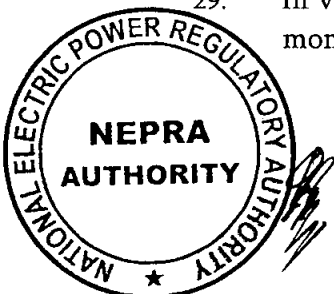
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Electric Power Company Ltd. (SEPCO) for Purchase of 8 MW from ANSML under NEPRA Interim Power Procurement (Procedures and Standards) Regulations 2005, decided that since the power acquisition contract is signed between ANSML and SEPCO, therefore, the costs must be accounted for in the basket of SEPCO instead of CPPA-G.

25. Similarly Thatta power & Lucky cement also supplied energy and claimed cost of Rs.5.135 million and Rs.8.7 million respectively. The Authority approved Power Acquisition Requests filed by Hyderabad Electric Supply Company Ltd. (HESCO) for Purchase of electricity from Thatta Power (Pvt.) Limited (TPPL) and Lucky Cement Limited (LCL) under NEPRA Interim Power Procurement (Procedures and Standards) Regulations, 2005.
26. The Authority understands that by accounting for the energy and cost of electricity supplied to DISCOs through bilateral contracts if treated only in the individual basket of that DISCO would result in different FCAs for different DISCOs. Considering the fact that monthly FCA is being made under a Uniform Tariff regime, and a uniform tariff for all XWDISCOs was notified by the Federal Government vide SRO dated 25.07.2022, the Authority has decided to deliberate this issue in detail with the stakeholders. Accordingly a discussion meeting was held on 09.02.2023, to discuss the modalities for treatment of cost & energy of ANSML and for any such future bilateral contracts by DISCOs, which was attended by Ministry of Energy and CPPA-G representatives. The Authority directed MOE and CPPA-G to provide their written comments regarding modalities for treatment of cost & energy of ANSML and for any such future bilateral contracts by DISCOs. Considering the delay in filing of written comments, email dated 17.02.2023 were sent to CPPA-G and MOE, for submission of their comments.
27. CPPA-G vide its letter dated 07.03.2023, submitted its comments wherein, it referred the provision of NEPRA Act section 31(4) and National Electricity Policy 2021 clause 5.6.3, which states about uniform tariff. CPPA-G submitted that in line with Provision of NEPRA Act, and National Electricity Policy 2021, it is recommended that the Authority may continue to determine uniform Fuel charges Adjustment in line with practice in place for all DISCOs. MOE, however did not provide any response. Considering the importance of matter, an email dated 30.03.2023 was again sent to MOE for provision of detailed comments at the earliest, which are still awaited.
28. Meanwhile, in order to ensure the timely recovery of the positive FCA, the Authority has decided to provisionally account for the energy and cost of Thatta Power and Al-Noor Sugar Mills as part of CPPA-G basket for the month of March 2023, as per the request of CPPA-G. A final decision in the matter would be taken considering the comments of MOE and CPPA-G, and any adjustment if required will be made in the subsequent monthly FCAs of XWDISCOs.
29. In view of the above discussion, the Authority has calculated the fuel cost for the month of March 2023, after accounting for the aforementioned adjustments, and

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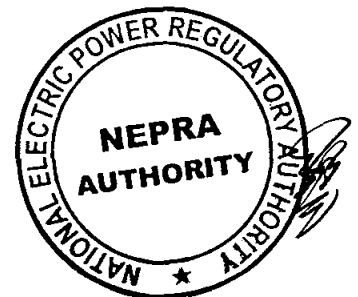
including costs arising out due to application of various factors, as provided in the respective PPAs of the Power Producers and claimed by CPPA-G in its FCA request. Here it is pertinent to mention that the amount arising out due to application of PPA factors, for the six RFO based IPPs, incorporated 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.

30. NTDCL, reported provisional T&T losses of 232.125 GWh i.e. 2.568%, based on energy delivered on NTDCL system during March 2023. NTDC in addition also reported T&T losses of 25.56 GWh i.e. 2.863%, for PMLTC (HVDC) line. NTDCL 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%.
31. Accordingly, for the month of March 2023, T&T losses of 232.125 GWh being within in the allowed limit on accumulative yearly basis have been verified for NTDCL system only at 500KV and 220 KV network. Regarding PMLTC (HVDC), the claimed T&T losses i.e. 25.56 GWh, being within the Authority's allowed limit have also considered while working out the FCA of March 2023.
32. 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.
33. The Petitioner in its request has also included 26.8 GWh for the Net Metering units procured during March 2023. The Authority has considered this energy as part of the FCA for the month of March 2023.
34. The Authority, after incorporating the aforementioned adjustments, has reviewed and assessed an increase of Rs.0.7917/kWh (Annex-II) in the applicable tariff for XWDISCOs on account of variations in the fuel charges for the month of March 2023 as per the following details:

Actual Fuel Charge Component for March 2023 (including arrears)	Rs.9.5039/kWh
Corresponding Reference Fuel Charge Component	Rs.8.7122/kWh
Fuel Price Variation for the month of March 2023- Increase	Rs.0.7917/kWh

35. 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.

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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 March 2023.
- c. XWDISCOs shall reflect the fuel charges adjustment in respect of March 2023 in the billing month of May 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

Mathar Niaz Rana (nsc)
Member

*My additional notes
attached*

Rafique Ahmed Shaikh
Member

Engr. Maqsood Anwar Khan

Engr. Maqsood Anwar Khan
Member

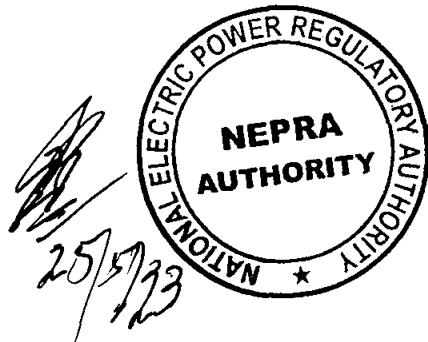
Ms. Amina Ahmed

Ms. Amina Ahmed
Member

Tauseef H. Farooq

Tauseef H. Farooq
Chairman

** My additional note attached*



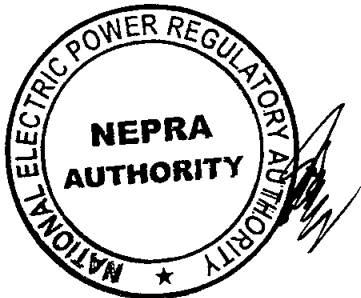
Additional Note - Fuel Charges Adjustment of XWDISCOs for the month of March, 2023:

The three most efficient RLNG power plants in Pakistan Power Sector are the Quaid-e-Azam Thermal Power Plant (QATPL), two power plants of National Power Parks Management Company Limited at Haveli Bahadur Shah (HBS) and Baloki; efficiency of these power plants is above 61%. The utilization factors of these three most efficient RLNG power plants were; QATPL around (44.52%), HBS around (61.75%) and Baloki around (69.75%) during the month of March, 2023. It is noted that the accumulated claim by these power plants against part load operation during the above month is Rs. 3.369 billion. The full utilization of these power plants could minimize the load shedding on one hand while on the other hand it could help avoid part load charges of Rs. 3.369 billion.

2. As per the data submitted by NPCC, the average RLNG allocated to power sector during the month of March, 2023 was 519 MMCFD, whereas average consumption was 394 MMCFD. However, due to less allocation of RLNG to the power sector during two days in the aforementioned month, RFO plants were operated to meet with the system demand, which resulted in indicative financial impact of Rs. 20.22 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.

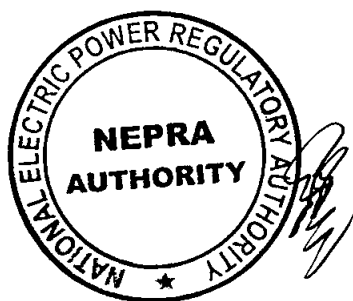
3. The utilization factor of power plants at Central Power Generation Company Limited (CPGCL), including the newly commissioned Guddu 747 machine, remained very low despite availability of dedicated cheaper Gas. Forced outage of unit 16 (248 MW) of Guddu 747 and Guddu old units i.e. unit 6, 10, 11, 12 & 13 (580 MW) resulted in financial losses due to operation of costlier power plants.

120



Additional Note – FCA of XWDISCOs for March 2023

1. On the point raised by worthy Member (Technical) regarding lower utilization of efficient RLNG plants of QATPL, HBS and Balloki, the utilization factor has been worked out based on generation for the entire month, assuming 100% utilization of the dependable capacity of each plant for the entire month. I am of the considered view that utilization of each plant needs to be seen on hourly basis, keeping in view the Grid System stability as per the varying demand patterns, scheduled/ forced outages of the plants, fuel availability, grid code requirements etc. As explained by NPCC, the base load power plants are operated on part load as these plants can be ramped up or ramped down with the grid in minimum possible time, keeping in view the changing load patterns, that helps mitigate the impact of intermittencies of the renewable energy as well. Therefore, impact of part load charges needs to be analyzed in their own peculiar context.
2. When I took over as Chairman NEPRA, during my very first FCA hearing, it was noted that NPCC was not doing its job in the most professional manner. Accordingly, NEPRA M&E department was directed to analyze the operation of power plants in compliance to Merit Order on three grounds i.e. Underutilization of power plants, Transmission System constraints and Fuel shortage (especially RLNG). The financial impact due to "Underutilization of efficient power plants" and "System Constraints" is being deducted from day one in the monthly FCA determination. As mentioned at para 21 of the instant decision, an amount of around Rs.1,250 million has been deducted for the month of Mar. 23 and up-till Mar. 2023, a total amount of over Rs.32 billion has been withheld under above two heads. The deduction of Rs.1,250 million made during the month of Mar. 23, also includes Rs.275 million on account of overloading of Thar-Matiari CCT leading to curtailment of Thar coal based energy projects.
3. However, impact due to RLNG shortage had not been deducted as procurement and allocation of RLNG is made by Petroleum division keeping in view of its sectorial priorities. NPCC always maintains that they raise their demand for RLNG well within the stipulated time as agreed with Petroleum division through Power Division. Since NEPRA is the Regulator of Power Sector bearing no regulatory control over petroleum division, it is not within NEPRA's domain to penalize Petroleum Division for not purchasing RLNG or not allocating the quantities as demanded by NPCC. Moreover, it is not professionally justified to penalize NPCC for not receiving the demanded quantities of RLNG from Petroleum division. Therefore, the Authority chose not to penalize NPCC for something which is not a failure on their part. However, the Authority being cognizant of the matter has already issued advisories to the Ministry of Energy, Power Division, to take up the matter with Petroleum Division for allocation of required quantities of RLNG to power sector on an expeditious manner so as to protect the consumers for any differential cost arising due to unavailability of RLNG.

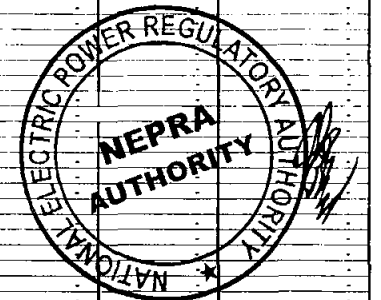


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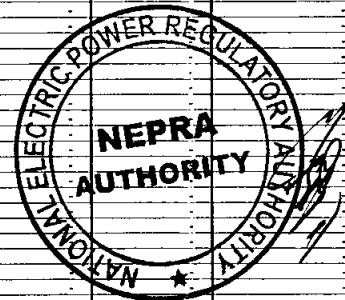
CENTRAL POWER PURCHASING AGENCY (CPPA)
Energy Procurement Report (Provisional)
For the Month of March 2023

S.No.	Power Producers	Fuel	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	Hydel	WAPDA	Hydel	6,902	1,862,180,748	-	143,644,978	143,644,978	-	-	-	-	-	-	143,644,978
		Jagran	Hydel	30	5,939,804	-	-	-	-	3,906,619	3,906,619	-	-	-	3,906,619
		Pehure	Hydel	18	-	-	-	-	-	-	-	-	-	-	-
		Matakanand-III SHYDO	Hydel	81	29,280,900	-	8,273,261	8,273,261	-	-	-	-	-	-	8,273,261
		Larab	Hydel	84	30,150,210	-	9,340,535	9,340,535	-	19,035,833	19,035,833	-	-	-	28,376,368
		Star Hydro	Hydel	147	26,697,800	-	4,923,074	4,923,074	-	-	-	-	-	-	4,923,074
		Head Maralla	Hydel	8	3,185,380	-	-	-	-	-	-	-	-	-	-
		Nestum Jhelum	Hydel	969	-	-	-	-	-	-	-	-	-	-	-
		Tarbella Est. 4	Hydel	1,478	-	-	-	-	-	-	-	-	-	-	-
		Mira Power Limited	Hydel	101	11,909,080	-	-	-	-	478,288	478,288	-	-	-	478,288
		Darat Khwar	Hydel	37	8,508,810	-	-	-	-	20,345,015	20,345,015	-	-	-	20,345,015
		Karot Power Company (Pvt.) Limited	Hydel	720	223,779,700	-	70,869,800	70,869,800	70,869,800	158,000,328	158,000,328	-	-	-	226,669,928
		Ranolia Hydro Power Complex	Hydel	17	-	-	-	-	-	-	-	-	-	-	-
Hydel Total:			10,992	2,001,612,530	-	237,851,448	237,851,448	-	199,786,083	199,786,083	-	-	-	437,617,531	
2	EX-WAPDA GENCOs	GENCO-I ***													
		Jamshoro Block 1	RFO	182	-	-	-	-	-	-	-	-	-	-	-
		Unit 1	Gas		-	-	-	-	-	-	-	-	-	-	-
		Jamshoro Block 2		467	-	-	-	-	-	-	-	-	-	-	-
		Unit-3	RFO		-	-	-	-	-	-	-	-	-	-	-
			Gas		-	-	-	-	-	-	-	-	-	-	-
		Unit-3	RFO		-	-	-	-	-	-	-	-	-	-	-
			Gas		-	-	-	-	-	-	-	-	-	-	-
		Unit-4	Gas		-	-	-	-	-	-	-	-	-	-	-
		Unit-4	RLNG		-	-	-	-	-	-	-	-	-	-	-
		Unit-4	Gas		-	-	-	-	-	-	-	-	-	-	-
		Unit-4	RLNG		-	-	-	-	-	-	-	-	-	-	-
		Unit-4	RFO		-	-	-	-	-	-	-	-	-	-	-
		Kotri 3-7	Gas	0	-	-	-	-	-	-	-	-	-	-	-
Jamshoro Block 4	Gas		-	-	-	-	-	-	-	-	-	-	-		
Jamshoro Total:			649	-	-	-	-	-	-	-	-	-	-	-	
ii	GENCO-II ***	Guddu CC Block 1 (OC)	Gas	390	163,398,277	1,327,811,001	11,258,141	1,338,869,142	191,267,637	-	191,267,637	-	1,518,878,638	11,258,141	1,530,136,779
		Central Block 2 (CC)	Gas		163,398,277	1,327,811,001	11,258,141	1,338,869,142	191,267,637	-	191,267,637	-	1,518,878,638	11,258,141	1,530,136,779
		Guddu (CC) Block-2	Gas	530	-	-	-	-	-	-	-	-	-	-	-
		Block 3 (unit 3&4)	Gas		-	-	-	-	-	-	-	-	-	-	-
		Guddu 747 (CC)	Gas	721	186,522,000	1,741,406,297	176,709,088	1,932,115,385	-	-	-	-	1,761,406,297	170,709,088	1,932,115,385
		Central Total		1,641	361,920,277	3,089,017,298	181,967,209	3,270,984,507	191,267,637	-	191,267,637	-	3,280,284,925	181,967,209	3,462,252,144
		ii	GENCO-III ***	Northern Block 1		556	-	-	-	-	-	-	-	-	-
Unit 1	RFO			-	-	-	-	-	-	-	-	-	-	-	
Unit 2	RFO			-	-	-	-	-	-	-	-	-	-	-	
Unit 3	RFO			-	-	-	-	-	-	-	-	-	-	-	
Unit 1	Gas			-	-	-	-	-	-	-	-	-	-	-	
Unit 2	Gas			-	-	-	-	-	-	-	-	-	-	-	
Unit 3	Gas			-	-	-	-	-	-	-	-	-	-	-	
Unit 1	RLNG			-	-	-	-	-	-	-	-	-	-	-	
Unit 2	RLNG			-	-	-	-	-	-	-	-	-	-	-	
Unit 3	RLNG			-	-	-	-	-	-	-	-	-	-	-	
Unit 3	RLNG			-	-	-	-	-	-	-	-	-	-	-	
Northern Block 2		272		-	-	-	-	-	-	-	-	-	-	-	
Block-2 Unit 4	RFO			-	-	-	-	-	-	-	-	-	-	-	
Block-2 Unit 4	Gas			-	-	-	-	-	-	-	-	-	-	-	
Block-2 Unit 4	RLNG			-	-	-	-	-	-	-	-	-	-	-	
Northern Block 3		355		-	-	-	-	-	-	-	-	-	-	-	
Block-3 Unit 5	RFO		-	-	-	-	-	-	-	-	-	-	-		
Block-3 Unit 6	Gas		-	-	-	-	-	-	-	-	-	-	-		
Block-3 Unit 6	RLNG		-	-	-	-	-	-	-	-	-	-	-		
Block-3 Unit 6	RFO		-	-	-	-	-	-	-	-	-	-	-		
Block-3 Unit 6	Gas		-	-	-	-	-	-	-	-	-	-	-		
Block-3 Unit 6	RLNG		-	-	-	-	-	-	-	-	-	-	-		
Northern Block 4	RLNG	117	-	-	-	-	-	-	-	-	-	-	-		
Northern Block 5	RFO	97	-	-	-	-	-	-	-	-	-	-	-		
Northern Block 6	Gas	75	-	-	-	-	-	-	-	-	-	-	-		
Northern Block 6	Gas	75	-	-	-	-	-	-	-	-	-	-	-		
Handipur	RLNG	411	19,802,000	535,019,728	11,673,279	546,693,007	(239,924)	(239,924)	-	535,019,728	11,433,355	546,453,083			
Northern Total:		1,684	19,802,000	535,019,728	11,673,279	546,693,007	(239,924)	(239,924)	-	535,019,728	11,433,355	546,453,083			
iv	GENCO-IV LAKHRA	Coal	31	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total:			31	-	-	-	-	-	-	-	-	-	-	-	
GENCOs Total:			4,204	381,722,277	3,624,037,028	193,640,488	3,817,677,514	191,267,637	(239,924)	191,027,713	-	3,815,304,863	193,400,564	4,009,705,227	
3	1	Kot Addu Block 1	RFO	325	-	-	-	-	-	-	-	-	-	-	
			RLNG		-	-	-	-	126,431,387	2,007,179	128,438,566	-	126,431,387	2,007,179	128,438,566
			HSD		-	-	-	-	-	-	-	-	-	-	-
	Kot Addu Block 2	RFO	762	-	-	-	-	-	-	-	-	-	-	-	
		RLNG		-	-	-	-	-	-	-	-	-	-	-	
		HSD		-	-	-	-	-	-	-	-	-	-	-	
	Kot Addu Block 3	RLNG	249	-	-	-	-	-	-	-	-	-	-	-	
		HSD		-	-	-	-	-	-	-	-	-	-	-	
		HSD		-	-	-	-	-	-	-	-	-	-	-	
	KAPCO Total:			1,336	-	-	-	-	126,431,387	2,007,179	128,438,566	-	126,431,387	2,007,179	128,438,566
	2	Hub Power	RFO	1,208	(1,198,000)	-	-	-	-	-	-	-	-	-	-
	3	Kotminoor Energy	RFO	124	6,942,000	135,075,433	9,950,596	145,026,029	-	-	-	-	135,075,433	9,950,596	145,026,029
4	AES Lalpur	RFO	350	-	-	-	-	(1)	(1)	(1)	-	-	-	(1)	
5	Pak Own Power Limited	RFO	350	-	-	-	-	(2)	(2)	(2)	-	-	-	(2)	
7	Hakinjildin	Gas	129	-	-	-	-	-	-	-	-	-	-	-	
8	Faizi Kabirwala	Gas	151	-	-	-	-	-	-	-	-	-	-	-	
9	Rouneh	RLNG	395	-	-	-	-	-	-	-	-	-	-	-	
10	Saba Power	RFO	126	-	-	-	-	-	-	-	-	-	-	-	
12	Uch	Gas	549	342,174,000	4,004,828,668	218,135,925	4,222,964,623	12/15 (512)	(512)	(512)	(512)	4,004,828,668	218,135,925	4,222,964,623	



CENTRAL POWER PURCHASING AGENCY (CPPA)
Energy Procurement Report (Provisional)
For the Month of March 2023

S.No	Power Producers	Fuel	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.)
13	Altern	Gas	27											
14	Liberty	Gas	212	8,862,800	1,692,308,830		1,699,288,822					1,692,308,830	6,977,992	1,699,286,822
16	Chashma Nuclear	Nucl.	300	170,941,000	208,325,797	6,977,992	208,325,797					208,325,797		208,325,797
17	Chashma Nuclear-I	Nucl.	315	208,648,000	286,035,543		286,035,543					286,035,543		286,035,543
18	Chashma Nuclear-II	Nucl.	340	231,177,000	325,497,216		325,497,216					325,497,216		325,497,216
19	Chashma Nuclear-IV	Nucl.	340	232,365,000	304,973,028		304,973,028					304,973,028		304,973,028
20	Karachi Nuclear Power Plant-Unit-2	Nucl.	1,146	638,491,000	578,728,242		578,728,242					578,728,242		578,728,242
21	Karachi Nuclear Power Plant-Unit-3	Nucl.	1,145	520,425,000	459,223,020		459,223,020					459,223,020		459,223,020
22	Tavarnir Istan	Import	96	31,581,200	738,557,173		738,557,173	(129,030,620)		(129,030,620)		609,526,552		609,526,552
Sub-Total:			8,633	2,390,398,800	8,733,552,980	235,064,513	8,968,617,493	(2,599,748)	2,007,479	(592,569)		8,730,953,231	237,071,692	8,968,024,923
1	Attock-Gas	RFO	156	4,210,594	85,148,737	9,206,464	84,955,201	27,875,537	107,321,188	135,196,725		113,024,274	116,527,652	229,551,926
2	Atlas Power	RFO	214	10,857,337	231,748,773	23,485,506	255,234,276	68,755,847	(1,074,989)	67,880,878		300,504,619	22,410,537	322,915,156
3	Nisat Power	RFO	195	1,861,287	43,470,730		43,470,730	35,421,754	11,321,607	46,743,361		78,992,484	11,321,607	90,214,091
4	Foundation Power	Gas	171	96,968,078	711,484,149	84,734,833	796,218,982	(841,594)		84,734,833		710,642,555	84,734,833	795,377,388
5	Orient	RLNG	219	48,249,625	1,411,103,395	27,772,486	1,438,875,881	84,680,178		84,680,178		1,495,783,573	27,772,486	1,523,556,059
6	Nisat Churnian	RFO	196	1,673,338	46,557,257	4,213,465	52,770,722	49,765,980	17,972,803	67,738,783		98,233,236	22,166,268	120,509,505
7	Saif Power	RLNG	204	13,704,409	414,493,342	13,417,423	427,910,765	65,891,374		65,891,374		480,384,716	13,417,423	493,802,139
8	Engro Energy	Gas	213	83,765,000	814,829,483	66,413,429	881,242,912	(5,672,394)		(5,672,394)		809,157,089	66,413,429	875,570,518
9	Sapphire Power	RLNG	203	41,882,680	1,220,067,072	40,559,187	1,260,626,259	36,804,474		36,804,474		1,296,871,546	40,559,187	1,297,430,733
10	Hubco Marowal	RFO	214	12,319,161	239,792,489	22,281,567	262,074,135	47,481,237	17,013,926	64,495,163		287,273,706	39,295,593	326,569,299
11	Liberty Power	RFO	196	3,060,338	78,474,840	9,010,024	87,484,865	17,901,553	39,154,298	57,055,850		96,376,394	48,164,321	144,540,714
12	Helmore	RLNG	199					31,888,585		31,888,585		31,888,585		31,888,585
13	Uch-I	Gas	381	213,323,232	2,154,840,003	111,220,878	2,266,060,881	(1,693,504)	(23)	(1,693,527)		2,153,146,499	111,220,855	2,264,367,354
14	JDW-II	Bagasse	26	15,833,200	94,717,369	15,936,116	110,653,485	0	0	0		94,717,369	15,936,116	110,653,485
15	JDW-III	Bagasse	26	17,364,610	103,878,570	17,477,480	121,356,050	(0)	(0)	(0)		103,878,570	17,477,480	121,356,049
16	RYK	Bagasse	24	10,399,200	62,210,095	10,465,755	72,675,850	(1)	(1)	(1)		82,210,095	10,465,755	92,675,850
17	Chinhot Power	Bagasse	62	33,383,450	199,706,475	37,326,035	237,032,510	(0)	(0)	(0)		199,706,475	37,326,035	237,032,510
18	Hanza Sugar Mills	Bagasse	15	6,179,400	38,966,407	6,219,566	43,185,973	(0)	(0)	(0)		38,966,407	6,219,566	43,185,973
20	Almoiz Industries Limited	Bagasse	36	2,504,166	14,980,422	2,520,443	17,500,865	(0)	(0)	(0)		14,980,422	2,520,443	17,500,865
21	Chashma Energy Limited	Bagasse	22	5,659,251	33,848,789	5,695,030	39,543,819	(0)	(0)	(0)		33,848,789	5,695,030	39,543,819
22	China Hub Power (Pvt) Ltd	Coal	1,220	169,820,000	484,284,511	16,982,408	501,266,919	(4,405)	(577,571)	(581,976)		484,284,511	16,982,408	501,266,919
23	Engro PowerGen Thar TPS	Coal	660	162,443,400	3,179,818,284	186,728,688	3,366,546,972	(7,813,851)	(3,167,937)	(10,981,788)		3,172,102,413	183,560,752	3,355,663,164
24	Layyah Sugar Mills	Bagasse	41	13,536,850	80,890,144	13,624,840	94,604,984	0	0	0		80,890,144	13,624,840	94,604,984
25	QATPL	RLNG	1,180	390,834,700	9,695,325,030	336,039,675	10,031,364,705	(174,950,042)		(174,950,042)		9,520,374,988	336,039,675	9,856,414,663
25A		HSD	1,180											
26		RLNG	1,230	565,125,500	12,671,565,973	173,493,528	12,845,059,501	(8,263,603)	(1,041,843)	(9,305,446)		12,663,302,370	172,451,685	12,835,754,055
24A	Haveli Bahadur Shah	HSD	1,320											
27	Huaneng Shandong Ruyi Energy (Pvt) Ltd	Coal	1,320											
30	Balokli	RLNG	1,320	884,951,700	16,758,076,502	234,595,958	16,992,672,460	(121,885,922)	(1,402,307)	(123,288,229)		16,636,190,580	233,193,651	16,869,384,231
28A		HSD	1,320											
31	Port Qasim	Coal	1,320	32,290,700	558,057,585	8,802,242	566,859,807	427,714,854	(2,957,517)	424,757,338		985,772,419	5,644,726	991,417,145
32	Lucky Electric Power Company Limited	Coal	660	223,081,800	2,143,883,023	59,428,992	2,203,312,014	(1,663,564)	(7,711,064)	(9,374,628)		2,142,219,456	51,717,928	2,193,937,386
33	Punjab Thermal Power (Private) Limited	RLNG	1,320	20,042,300	676,836,488	15,494,702	692,331,190					676,836,488	15,494,702	692,331,190
34	Thar Energy Limited	Coal	330		1,444,632,069		1,444,632,069					1,444,632,069		1,444,632,069
35	Thar Coal Block-I Power Generation Company Limited	Coal	1,320	748,292,945	3,022,394,221	697,666,661	3,720,060,882	0	(249,157,449)	(249,157,449)		3,022,394,221	448,509,212	3,470,903,433
36	ThalNova Power Thar (Pvt.) Ltd	Coal	330	150,047,100	737,465,113	880,068,599						737,465,113	122,603,485	860,068,599
Sub-Total:			15,337	3,632,000,549	59,453,735,279	2,356,234,558	61,809,969,837	571,392,493	(74,308,859)	497,083,634		60,026,127,772	2,287,927,699	62,307,055,471
IPP's Total:-			23,970	6,022,369,349	68,187,288,259	2,591,299,071	70,778,587,330	588,792,745	(72,299,680)	496,493,065		68,756,087,004	2,518,999,397	71,275,086,395
4	Others													
1	TPS-Quetta	Gas	25											
2	Zorlu	Wind	56	5,325,310										
3	FFCEL	Wind	50	3,933,470										
4	TGF	Wind	50	4,871,400										
6	Foundation	Wind	50	4,078,950										
8	Sapphire Wind Power	Wind	53	4,248,508										
7	Yousang Energy Ltd.	Wind	50	5,270,820										
9	Metro Wind Power	Wind	50	6,125,910										
8	Gul Ahmad Wind Power	Wind	50	5,386,580										
10	Master Wind Power	Wind	50	4,657,644										
11	Tenaga General	Wind	50	4,035,340										
12	Tapal Wind	Wind	31	2,558,640										
13	Hydrochina Deswood Power (Private) Limited	Wind	50	3,742,310										
14	SEDL Wind	Wind	50	5,337,295										
16	UEPL Wind	Wind	99	9,207,408										
18	Guid-e-Azam Solar Park	Solar	100	15,000,540										
17	Appollo Solar Park	Solar	100	15,565,380										
18	Best Green Energy	Solar	100	15,397,800										
19	Crest Energy	Solar	100	15,777,500										
20	Harappa	Solar	18	2,735,700										
21	AJ Solar	Solar	12	1,612,594										
22	AEP Wind	Wind	50	6,311,138										
23	Jhampr Wind	Wind	50	6,498,680										
24	HAWA Wind	Wind	50	6,648,280										
28	TGT	Wind	50	5,828,517										
28	TGS	Wind	50	5,255,438										
27	Tricon Boston-A	Wind	50	7,282,855										
28	Tricon Boston-B	Wind	50	8,692,208										
29	Tricon Boston-C	Wind	50	6,695,164										
30	ZEPHYR Wind	Wind	50	6,540,443										
31	Foundation Wind Energy-I (Pvt.) Limited	Wind	50	4,400,480										
32	Master Green Energy Limited	Wind	50	7,212,290										
33	Lucky Renewables (Private) Limited	Wind	50	7,590,870										
34	ACT2 DN Wind (Pvt) Ltd.	Wind	50	7,415,420										
35	Artistic Wind Power (Pvt) Ltd.	Wind	50	7,208,380										
36	Indus Wind Energy Ltd.	Wind	50	7,160,400										
37	Lakeside Energy Limited	Wind	50	7,919,910										
38	Liberty Wind Power-I Ltd.	Wind	50	6,381,250										



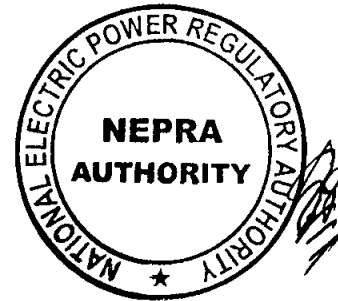
13/15

CENTRAL POWER PURCHASING AGENCY (CPPA)
Energy Procurement Report (Provisional)
For the Month of March 2023

S.No.	Power Producers	Fuel	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.)
39	DIN Energy Ltd.	Wind	50	6,708,940	-	-	-	-	-	-	-	-	-	-
40	Gul Ahmed Electric Limited	Wind	50	9,260,160	-	-	-	-	-	-	-	-	-	-
41	Atlas Solar Limited	Solar	100	17,783,500	-	-	-	-	-	-	-	-	-	-
42	Liberty Wind Power-II (Pvt.) Ltd.	Wind	100	6,470,360	-	-	-	-	-	-	-	-	-	-
43	NASDA Green Energy Limited	Wind	50	7,540,970	-	-	-	-	-	-	-	-	-	-
44	Metro Wind Power Limited	Wind	50	10,795,660	-	-	-	-	-	-	-	-	-	-
45	Net Metering Net Exported units	Solar	-	26,858,015	-	-	-	-	-	-	-	-	-	-
46	SPPs	Mixed	257	3,582,170	18,759,715	-	18,759,715	-	-	-	-	18,759,715	-	18,759,715
	Sub-Total		2,893	326,618,298	18,759,715	-	18,759,715	-	-	-	-	18,759,715	-	18,759,715
	G-Total:		41,460	8,741,322,452	71,830,084,999	3,022,791,007	74,852,876,006	760,060,382	127,226,479	887,286,861	-	72,590,145,381	3,150,017,486	75,740,162,867
Summary														
1	Hydel			2,001,612,530	-	237,851,448	237,851,448	-	199,766,083	199,766,083	-	-	437,617,531	437,617,531
2	Coal			1,333,514,145	11,570,632,765	1,075,030,069	12,645,662,834	418,233,034	(263,571,538)	154,661,496	-	11,988,865,799	811,458,531	12,800,324,330
3	HSD			-	-	-	-	-	-	-	-	-	-	-
4	F.O.			40,528,053	862,268,239	78,147,721	940,415,980	247,201,393	191,708,852	438,910,245	-	1,109,466,632	269,858,573	1,379,326,205
5	Gas			1,107,011,187	12,467,308,461	869,450,266	13,136,758,727	183,060,145	(23)	183,060,122	-	12,850,368,606	689,450,243	13,319,818,849
6	RLNG			1,784,582,914	43,382,487,530	853,046,236	44,235,533,768	40,599,431	(876,895)	39,919,536	-	43,423,083,961	852,369,343	44,275,453,304
6	Nuclear			2,002,007,000	2,162,782,846	-	2,162,782,846	-	-	-	-	2,162,782,846	-	2,162,782,846
7	Import from Iran			31,581,200	738,557,173	-	738,557,173	-	-	(129,030,820)	-	609,526,552	-	609,526,552
8	Wind Power			221,327,097	-	-	-	-	-	-	-	-	-	-
9	Solar			110,729,029	-	-	-	-	-	-	-	-	-	-
10	Bagasse			104,859,127	627,288,271	109,265,265	736,553,536	(1)	(0)	(1)	-	627,288,270	109,265,265	736,553,535
11	Mixed			3,562,170	18,759,715	-	18,759,715	-	-	-	-	18,759,715	-	18,759,715
	Totals For The month			8,741,322,452	71,830,084,999	3,022,791,007	74,852,876,006	760,060,382	127,226,479	887,286,861	-	72,590,145,381	3,150,017,486	75,740,162,867
	Prev. Adjustments :			(12,269,382)	760,060,382	127,226,479	887,286,861	-	-	-	-	-	-	-
	GRAND TOTALs :			8,729,053,070	72,590,145,381	3,150,017,486	75,740,162,867	-	-	-	-	-	-	-

Energy Cost (Rs.)	72,590,145,381	3,150,017,486	75,740,162,867
Cost not chargeable to DISCOs (Rs.)	2,347,707,648	-	2,347,707,648
EPP (Chargeable) (Rs.)	70,242,437,733	3,150,017,486	73,392,455,219
Energy Sold (KWh)	8,459,240,849	8,459,240,849	8,459,240,849
Avg. Rate (Rs./KWh)	8.3036	0.3724	8.6760

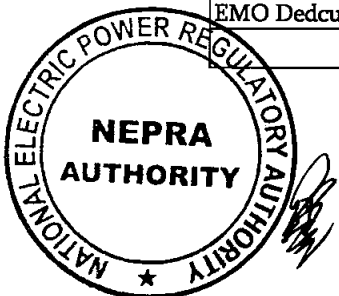
Reference Rate (Rs./KWh)	8.7122
FCA Rate Current month (Rs./KWh)	(0.4086)
Arrear Claim (Rs.)	13,385,948,984
Impact on FCA (Rs./KWh)	1.5824
Revised FCA Rate after Arrear (Rs./KWh)	1.1738



14/15

Source Wise Generation					Annex-II
Sources	March 2023				
	Reference		Actual		
	GWh	%	GWh	%	
Hydel	2,374.30	24.22%	2,001.61	22.90%	
Coal	3,627.60	37.00%	1,333.51	15.26%	
HSD	-	0.00%	-	0.00%	
RFO	-	0.00%	40.52	0.46%	
Gas	498.07	5.08%	1,107.01	12.66%	
RLNG	634.88	6.48%	1,784.59	20.42%	
Nuclear	2,018.49	20.59%	2,002.01	22.90%	
Import Iran	38.70	0.39%	31.50	0.36%	
Mixed	20.88	0.21%	3.56	0.04%	
Wind	362.71	3.70%	221.33	2.53%	
Baggasse	119.42	1.22%	104.86	1.20%	
Solar	107.98	1.10%	110.73	1.27%	
Total	9,803.03	100.0%	8,741.24	100.0%	
Sale to IPPs	(13.94)	-0.14%	(23.08)	-0.26%	
Transmission Losses	(354.90)	-3.62%	(257.69)	-2.95%	
Net Delivered	9,434.19	96.2%	8,460.47	96.79%	

Source Wise Fuel Cost/Energy Purchase Price				
Sources	March 2023			
	Reference		Actual	
	Mlns. Rs.	Rs./kWh	Mlns. Rs.	Rs./kWh
Hydel	-	-	-	-
Coal	61,898.13	17.0631	11,570.63	8.6768
HSD	-	-	-	-
RFO	-	-	862.27	21.2793
Gas	3,939.17	7.9089	12,467.31	11.2621
RLNG	13,147.02	20.7079	42,760.23	23.9608
Nuclear	1,898.90	0.9408	2,162.78	1.0803
Import Iran	719.78	18.5983	738.56	23.4454
Mixed	137.57	6.5872	18.76	5.2664
Wind	-	-	-	-
Baggasse	731.18	6.1226	627.29	5.9822
Solar	-	-	-	-
Arrears			12,567.06	
Total	82,471.75	8.4129	83,774.88	9.5839
Arrears/ Previous Adjustments	-	-	230.49	0.0264
Sale to IPPs	(278.82)	-	(2,347.71)	(101.7288)
Grand Total	82,192.94	8.3844	81,657.66	9.3417
Transmission Losses	-	0.3278	-	0.3100
Total	82,192.94	8.7122	81,657.66	9.6517
EMO Deductions			(1,250.0)	(0.1477)
Net Total	82,193	8.7122	80,408	9.5039



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National Electric Power Regulatory Authority



NOTIFICATION

Islamabad, the 25th day of May 2023

S.R.O. ⁶²⁶ (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 March 2023 in respect of Ex-WAPDA Distribution Companies (XWDISCOs):

Description	March 2023
Actual Fuel Charge Component for March 2023 (including arrears)	Rs.9.5039 /kWh
Corresponding Reference Fuel Charge Component	Rs.8.7122 /kWh
Fuel Price Variation for the month of March 2023 - Increase	Rs.0.7917/kWh

Note: The Authority has reviewed and assessed an increase of Rs.0.7917/kWh in the applicable tariff for Ex-WAPDA DISCOs on account of variation in the fuel charges for the month of March 2023 as per the above details.

2. The above adjustment an Increase of Rs.0.7917/kWh shall be applicable to all the consumer categories except Electric Vehicle Charging Stations (EVCS) and lifeline consumers. 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 2023. XWDISCOs shall reflect the fuel charges adjustment in respect of March 2023 in the billing month of May 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.


(Engr. Mazhar Iqbal Ranjha)
Registrar

Mazhar