



National Electric Power Regulatory Authority Islamic Republic of Pakistan

NEPRA Tower, Attaturk Avenue (East), G-5/1, Islamabad
Ph: +92-51-9206500, Fax: +92-51-2600026
Web: www.nepra.org.pk, E-mail: registrar@nepra.org.pk

Registrar

No. NEPRA/R/TRF-100/MFPA/ 24 875-92

November 21, 2019

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. (SEPCOL) 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 September 2019 for XWDISCOs along with Notification Thereof**

Enclosed please find herewith copy of the decision of the Authority (09 pages) regarding adjustment in fuel charges in respect of Ex-WAPDA Distribution Companies for the month of September 2019 along with its Notification i.e. S.R.O. 1413(I)/2019 dated 20.11.2019.

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) 21 11 19

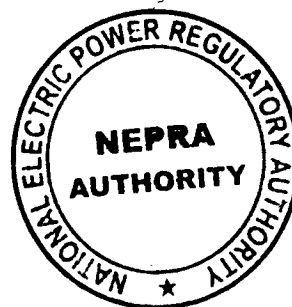
CC:

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. Registrar, Supreme Court of Pakistan, Islamabad.
8. Chief Executive Officer, Central Power Purchasing Agency Guarantee Limited, Shaheen Plaza, 73-West, Fazl-e-Haq Road, Islamabad.

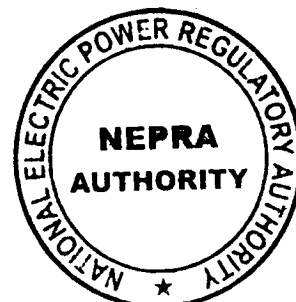
**DECISION OF THE AUTHORITY IN THE MATTER OF FUEL CHARGES ADJUSTMENT
FOR THE MONTH OF SEPTEMBER 2019 FOR EX-WAPDA DISCOS**

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 for the FY 2017-18 and 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 September 2019, 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 gone through the information provided by CPPA-G seeking monthly fuel adjustment 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 September 2019 is Rs.5.8136/kWh, against the reference fuel cost component of Rs.2.8410/kWh as indicated in the Annexure-IV of the notified consumer-end tariff of Ex-WAPDA DISCOs for the FY 2017-18. The actual fuel charges, as reported by CPPA-G, for the month of September 2019 increased by Rs.2.9726/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 October 22, 2019 and also uploaded on NEPRA's Website for information of all concerned.
5. The Authority conducted the hearing in the matter on October 30, 2019 at NEPRA Tower, Ataturk Avenue (East), G-5/1, Islamabad. 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 the hearing, representatives from CPPA-G, National Power Control Center (NPCC), NTDC, Media and General Public were present; however, no representative from WAPDA Power Privatization Organization (WPPO), Sui Southern Gas Company Limited (SSGCL), Sui Northern Gas Pipelines Limited (SNGPL), Ministry of Energy and Ministry of Finance attended the hearing despite service of notice.
7. Here it is pertinent to mention that the Authority in its FCA decision of July and August 2019, directed CPPA-G / NPCC to provide complete details along-with financial analysis regarding non-operation of efficient power plants resulting in costlier generation from RFO based power plants during such periods.

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8. Upon inquiry during the instant hearing, regarding non-submission of required data and financial analysis, representative of NPCC submitted that day wise detail of plants operated on RFO has been submitted to NEPRA vide letter dated October 29, 2019, showing the reasons for such operations, however, financial impact in this regard may be sought from CPPA-G.
9. The Authority, while taking serious notice of non-compliance of its directions and non-provision of required information by CPPA-G/ NPCC, decided to adjourn the hearing, and directed CPPA-G/ NPCC to submit complete detail showing hourly generation along-with the financial impact and the reasons thereof. The Authority announced to resume the hearing on November 05, 2019.
10. Subsequently, NPCC vide letter dated October 31, 2019 submitted daily hourly log data of all the power plants including RFO, along-with justification for the RFO based generation, loading position of transformers and merit order for the month of September 2019. Regarding financial implication of generation from RFO, NPCC submitted a calculation showing energy served by RFO generation to meet the system demand / constraints and the financial loss that would have been incurred had this energy from furnace been not generated and DISCOs had carried out load shedding.
11. The Authority, while going through the data submitted by NPCC, observed that the provided information was not in the required shape to carry out a meaningful analysis or draw any conclusion. Accordingly, NPCC was asked to submit the information on a specific format for the consideration of the Authority.
12. The hearing was re-conducted on November 5th, 2019. The Authority inquired NPCC/ CPPA-G about submission of data on the provided format. The representative of NPCC requested the Authority to allow a two week time for submission of data on the Authority's provided format. The Authority acceded to the request of NPCC.
13. The hearing was also attended by Mr. Daniyal Aziz, Ex-Minister for Privatization. Mr. Aziz raised serious concerns over the explanations given by CPPA-G / NPCC regarding utilization of RFO based plants. He submitted that as compared to last year, generation from Hydel has increased whereas consumption remained lean. He further opined that independent verification of such feeders/ transformers and evacuation sites, for which overloading has been claimed, be carried out. It was also suggested to review the foot notes mentioned at Economic Merit Order as exception for almost all plants have been provided. Mr. Aziz suggested to defer the decision in the matter till next hearing unless the required data is provided by NPCC/ CPPA-G.
14. The representative of NPCC, while responding to the concerns raised by the commentators, submitted that present situation in the FY 2019 has changed as compared to FY 2018. Generation Capacity has increased by around 10,000 MW, resultantly zero load shedding is being carried out. He also submitted that RFO consumption has reduced by around 60% till September 2019 viz a viz FY 2018 and there is zero RFO usage from October 2019 onward. It was further stated that RFO based plants were designed in such a way to cater for the load growth, with minimum line losses and connected at 132 KV. However, the three (03)

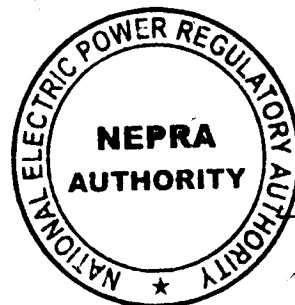


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RLNG power plants have been connected at 500 KV, which require Transformation from 500 to 220 KV and then to 132 KV but the transformers involved in this process (transformation) do not have enough capacity to accommodate the maximum generation from these plants, resultantly RFO based plants are operated to manage the load. The overloading of transformers in previous years was being managed through load shedding, providing relief to these overloaded transformers. It was also submitted that after 20th October 2019, NPCC by using NCP, PLEXOS and SDDP softwares would be able to provide a day ahead schedule of all plants to be dispatched on hourly basis by incorporating therein all the constraints and fuel prices.

15. After considering the comments of NPCC and keeping in view the fact that certain vital information is yet to be provided by NPCC, which may justify NPCC stance of running RFO based power plants, the Authority has decided to defer the incremental amount of Rs.7.2 billion in the instant adjustment. The same would be considered in the light of data & justification to be provided by NPCC in the next FCA. The Authority hereby again directs NPCC/CPPA-G to ensure the provision of data within the committed time.
16. The Authority also noted that as per the data submitted by CPPA-G, XWDISCOs purchased 10.006 GWh from Captive Power Plants (CPPs) during September 2019. CPPA-G provided actual details of energy purchased from these plants. According to the details provided by CPPA-G, the actual fuel cost of this energy is Rs.67.86 million. However, the same as per the adjustment mechanism approved by the Authority for CPPs/NCPPs, works out as Rs.67.82 million, which has been considered while working out the FCA of September 2019.
17. It is also pertinent to mention that CPPA-G has reported negative energy from Anoud Textile and Shikarpur Power Captive power plants, during September 2019, meaning thereby that these plants have drawn energy from the grid. The total energy drawn by these CPPs/NCPPs during September 2019 is around 43,040 kWh, however, CPPA-G only reported a negative cost of Rs. 292,672 @ Rs.6.4408/kWh. In view thereof, an additional amount of Rs.0.814 million has been deducted from the total fuel cost of September 2019, based on the rates charged by CPPA-G for sale of electricity to IPPs, during this month.
18. CPPA-G in its monthly FCA requests, included fuel cost of Gas based NCPP/CPPs inclusive of GIDC. The Authority in its FCA decision of August 2019, directed CPPA-G to provide details of GIDC paid by DISCOs to CPPs/ NCPPs, and the amount actually paid by CPPs/ NCPPs to the Gas supply companies. CPPA-G has not yet provided any such details. In view thereof, CPPA-G is again directed to provide details of GIDC paid by DISCOs to CPPs/ NCPPs, and the amount actually paid by CPPs/ NCPPs to the Gas supply companies
19. The Authority also noted that fuel cost of the following power plants has not been claimed by CPPA-G as per the Authority's approved rates, accordingly, the same has been adjusted downward in line with the Authority's approved rates for the month of September 2019;





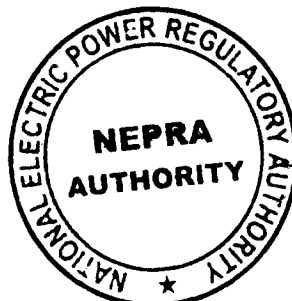
Fuel Charges Adjustment for XWDISCOs
for the month of September 2019

Power Plant	Energy kWh	Amount Claimed by CPPA-G Rs.	Avg. FCC Claimed by CPPA-G including impact of PPA Factors Rs./kWh	Avg. NEPRA's approved FCC Rs./kWh	Revised Amount based on NEPRA Approved FCC & Impact of PPA Factors Rs.	Adjustment Rs.
NPGCL (Block III - Unit 5&6)	15,867,958	172,809,983	10.89	6.08	96,517,850	(76,292,093)
Orient Power	95,661,320	1,234,809,760	12.91	11.63	1,112,737,526	(122,072,234)
Saif Power	105,173,223	1,323,024,984	12.58	11.34	1,182,216,864	(130,808,100)
Sapphire	35,834,510	475,047,967	13.26	11.50	412,021,377	(63,026,590)
Haltore	93,369,398	1,190,970,528	12.76	11.49	1,073,226,223	(117,744,305)
QATPL	657,901,525	7,131,280,856	10.84	9.60	6,317,280,614	(814,000,243)
HBS	484,118,700	4,973,622,603	10.72	9.38	4,351,222,207	(622,400,396)
Sahawal Coal	411,881,376	2,909,932,786	7.06	6.96	2,866,859,130	(43,073,656)
Balloki	710,926,403	7,551,845,340	10.62	9.41	6,689,775,289	(862,070,051)
Total	2,580,737,413	26,963,344,787			24,111,867,118	(2,851,487,669)

20. CPPA-G also claimed an amount of Rs.6,961 million on account of previous adjustments & supplemental charges of Rs.673.24 during the month of September 2019 as detailed below;

Rs. Mn	
Previous Adjustments	Claimed Amount
1994 Policy IPPs Adj.	-
Guddu 747	22.37
NPGCL	39.24
Nishat Power	1,102.84
Nishat Chumian	146.99
Engro Energy	190.17
HUBCO	48.80
QATPL (Bhikki)	333.42
Haveli Bahadur Shah	2,261.06
Reshma Power	2.98
Balloki	2,140.10
Supplemental charges	673.24
G.Total	6,961.20

21. Regarding adjustment on account of Fuel differential of Rs.1,102.84 million pertaining to Nishat Power Limited (NPL) for the month of August 2019, the Authority noted that although CPPA-G included energy generated from NPL in its FCA claim of August 2019, however, no cost was claimed against the said energy. Accordingly, the cost being legitimate has been included in the fuel cost of September 2019.
22. Regarding adjustment of Rs.190.17 million for Engro Energy on account of revision in Fuel Cost Component for the Month of July 2019, owing to revision in gas price, the same being legitimate has been allowed in the fuel cost of FCA September 2019.
23. For the remaining adjustment of Rs.4,995 million, as detailed below, CPPA-G although has submitted its workings in this regard, however, the same is under verification and once verified, would be considered in the subsequent FCAs.



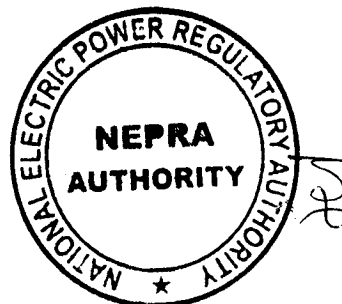


Previous Adjustments	Claimed Amount Rs. Mln
Guddu 747	22
NPGCL	39
Nishat Chunian	147
HUBCO	49
QATPL (Bhikki)	333
Haveli Bahadur Shah	2,261
Reshma Power	3
Balloki	2,140
G.Total	4,995

24. The remaining previous adjustments/ supplemental charges of Rs.673.24 million are allowed in the FCA of September 2019.
25. The Authority after incorporating the aforementioned adjustments, has allowed the remaining fuel cost, including costs arising out due to application of various factors as provided in the respective PPAs of the Power Producers, claimed by CPPA-G in the cost. However, at the same time, the Authority has decided that amount arising out of application of PPA factors, if any, for the six RFO based IPPs, incorporated under 2002 Power Policy, is allowed on provisional basis and shall be subject to adjustment, based on the final outcome of the ongoing proceedings against the RFO based IPPs.
26. NTDCL, through email reported T&T losses of 367.43 GWh i.e. 2.68% during September 2019, which are within the Authority's allowed limit of 2.80% and accordingly considered while working out FCA of September 2019.
27. The Authority, after incorporating the aforementioned adjustments, has reviewed and assessed an increase of Rs.1.8266/kWh (**Annex-II**) in the applicable tariff for XWDISCOs on account of variations in the fuel charges for the month of September 2019 as per the following details:

Actual Fuel Charges Component for September 2019	Rs.4.6676/kWh
Corresponding Reference Fuel Charges Component	Rs.2.8410/kWh
Fuel Price Variation for the month of September 2019-Increase	Rs.1.8266/kWh

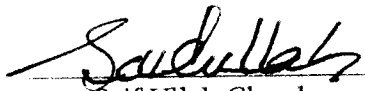
28. In view of the aforementioned, the Authority has decided that adjustment as referred to in Para 27 above;
- a. Shall be applicable to all the consumer categories except lifeline consumers.




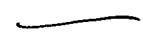



- b. Shall be shown separately in the consumers' bills on the basis of units billed to the consumers in the month of September 2019.
- c. XWDISCOs shall reflect the fuel charges adjustment in respect of September 2019 in the billing month of December 2019.
- d. While effecting the Fuel Adjustment Charges, the concerned XWDISCOs shall keep in view and strictly comply with the orders of the courts notwithstanding this order.

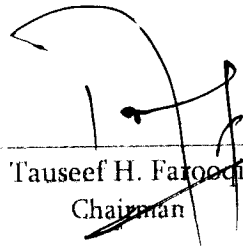
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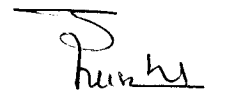

Saif Ullah Chattha
Member 18.11.2019


18/11/19
Rehmatullah Baloch
Member


Rafique Ahmed Shaikh
Member


Engr. Bahadur Shah
Vice Chairman


Tauseef H. Farooqi
Chairman


20/11/19



CENTRAL POWER PURCHASING AGREEMENT (CPPA)
Energy Procurement Report (Procurement)
For the Month of September 2019

S. No.	Power Producer	Fuel	Gen. Capacity (MW)	Energy KWh	Fuel Cost component as determined by Authority (Rs./KWh)	Fuel Cost as per NEPCRA Approved Rate (Rs./KWh)	Heat Degradation Factor (DH) %	Load Correction Factor (LC) %	Fuel Charges Rs.	V&M Charges Rs.	EPP Sizing month (%)	Proc. Adjustment in Fuel Cost (Rs.)	Proc. Adjustment in V&M (Rs.)	Proc. Adjustment in EPP (Rs.)	Semi Charges	Total Fuel Cost Rs.	Total V&M Rs.	Total Energy Cost (Rs.)	
																			A
Hydro																			
	WAPDA	Hydro	5,902	1,650,634,297						222,676,474						222,676,474		222,676,474	
	Jaffer	Hydro	30	8,435,806						16,871,612						16,871,612		16,871,612	
	Manora	Hydro	19	7,260,000						14,520,000						14,520,000		14,520,000	
	Makardui (SPPVC)	Hydro	8	45,403,000						90,806,000						90,806,000		90,806,000	
	Trane	Hydro	84	26,640,540						53,281,080						53,281,080		53,281,080	
	Shal Hydro	Hydro	147	42,975,100						85,950,200						85,950,200		85,950,200	
	Maid Marho	Hydro	8	3,658,674						7,317,348						7,317,348		7,317,348	
	Keenjharo	Hydro	960	342,879,408						685,758,816						685,758,816		685,758,816	
	Tarapur	Hydro	1,475	574,922,000						1,149,844,000						1,149,844,000		1,149,844,000	
	Hydro Total		8,234	5,222,639,239						10,445,388,520						10,445,388,520		10,445,388,520	
Gas																			
	WAPDA GENCO																		
	Jamshoro Block 1 Unit 1	RFO Gas	225	(569,000)															
	Jamshoro Block 2 Unit 1	RFO Gas	470	18,150,320	459,645,120	459,645,120		459,645,120	1,678,875	461,323,995					459,645,120	1,678,875	461,323,995		
	Unit 3	RFO Gas		18,257,800	460,609,875	460,609,875		460,609,875	1,893,713	462,503,588					460,609,875	1,893,713	462,503,588		
	Unit 4	RFO Gas		18,636,096	455,137,889	455,137,889		455,137,889	1,668,515	456,806,404					455,137,889	1,668,515	456,806,404		
	Unit 5	RFO Gas	167	(249,260)															
	Jamshoro Total		759	31,667,856	1,285,392,884	1,285,392,884		1,285,392,884	4,091,763	1,289,484,647					1,285,392,884	4,091,763	1,289,484,647		
	GENCO																		
	Quetta CC Block 1 (CC)	Gas	380	45,562,868	206,781,236	206,781,236		206,781,236	7,336,124	214,117,360					206,781,236	7,336,124	214,117,360		
	Central Block 2 (CC)	Gas	530	82,243,611	866,232,193	866,232,193		866,232,193	6,341,778	872,573,971					866,232,193	6,341,778	872,573,971		
	Block 3 Unit 3&4	Gas	530	27,787,931	243,575,348	243,575,348		243,575,348	1,876,277	245,451,625					243,575,348	1,876,277	245,451,625		
	Quetta 3rd Unit	Gas	721	402,543,886	2,797,752,779	2,797,752,779		2,797,752,779	228,207,676	3,025,960,455					2,797,752,779	228,207,676	3,025,960,455		
	Quetta Total		1,641	683,897,496	4,236,232,857	4,236,232,857		4,236,232,857	179,644,927	4,415,867,784					4,236,232,857	179,644,927	4,415,867,784		
	GENCO																		
	Northern Block 1																		
	Unit 1	RFO Gas	596	35,641,752	1,144,834,495	1,144,834,495		1,144,834,495	8,290,770	1,153,125,265					1,144,834,495	8,290,770	1,153,125,265		
	Unit 2	RFO Gas		41,380,931	1,029,785,245	1,029,785,245		1,029,785,245	7,327,799	1,037,113,044					1,029,785,245	7,327,799	1,037,113,044		
	Unit 3	RFO Gas		74,874,687	1,506,747,405	1,506,747,405		1,506,747,405	11,102,999	1,517,850,404					1,506,747,405	11,102,999	1,517,850,404		
	Unit 1	Gas		(290,368)	(2,927,463)	(2,927,463)		(2,927,463)	(3,951,929)	(3,954,856)									
	Unit 2	Gas		(173,561)	(1,851,829)	(1,851,829)		(1,851,829)	(2,391,929)	(2,393,758)									
	Unit 3	Gas		(32,207)	(329,282)	(329,282)		(329,282)	(429,282)	(429,282)									
	Unit 1	RLNG																	
	Unit 2	RLNG																	
	Unit 3	RLNG																	
	Northern Block 2																		
	Block 2 Unit 4	RFO Gas	772	(298,180)	(3,044,261)	(3,044,261)		(3,044,261)	(3,044,261)	(3,044,261)									
	Block 2 Unit 5	RFO Gas																	
	Northern Block 3																		
	Block 3 Unit 5	RFO Gas	355	12,650,916	148,117,899	148,117,899		148,117,899	148,117,899	2,047,276					148,117,899	2,047,276	150,165,175		
	Block 3 Unit 6	RFO Gas		2,217,042	24,692,084	24,692,084		24,692,084	24,692,084	346,993					24,692,084	346,993	25,039,077		
	Block 3 Unit 7	RFO Gas																	
	Northern Block 4																		
	Northern Block 5	RFO Gas	91																
	Northern Block 6	RFO Gas	75																
	Northern Block 7	RLNG	177	295,811,000	2,822,049,526	2,822,049,526		2,822,049,526	173,218,248	2,995,267,774					2,822,049,526	173,218,248	3,068,486,022		
	Northern Total		1,904	480,232,684	6,659,257,719	6,659,257,719		6,659,257,719	200,078,376	6,859,336,095					6,659,257,719	200,078,376	6,859,336,095		
	GENCO-IV																		
	Lahra	Coal	3																
	GENCO-IV Total		3																
	GENCO Total		4,337	1,22,916,864	12,895,101,951	12,895,101,951		12,895,101,951	444,937,981	13,340,039,932					12,895,101,951	444,937,981	13,340,039,932		
Coal																			
	Kar Aada Block 1	RFO RLNG	72	7,337,490	89,724,307	89,724,307		89,724,307	3,073,189	92,797,496					89,724,307	3,073,189	92,797,496		
	Kar Aada Block 2	RFO RLNG	70	157,214,890	2,048,878,795	2,048,878,795		2,048,878,795	148,653,897	2,197,532,692					2,048,878,795	148,653,897	2,197,532,692		
	Kar Aada Block 3	RFO RLNG	70	289,581,300	3,037,696,242	3,037,696,242		3,037,696,242	129,389,190	3,167,085,432					3,037,696,242	129,389,190	3,167,085,432		
	Kar Aada Total		212	444,133,680	5,976,309,344	5,976,309,344		5,976,309,344	161,116,276	6,137,425,070					5,976,309,344	161,116,276	6,137,425,070		
	Coal Total		212	444,133,680	5,976,309,344	5,976,309,344		5,976,309,344	161,116,276	6,137,425,070					5,976,309,344	161,116,276	6,137,425,070		
Renewable																			
	Wind Power	RFO	1,220	519,327,199	4,963,251,792	4,963,251,792		4,963,251,792	541,146,155	5,504,397,947					4,963,251,792	541,146,155	5,504,397,947		
	Hydro Power	RFO	1,220	7,108,000	1,092,125,209	1,092,125,209		1,092,125,209	62,838,302	1,154,963,511					1,092,125,209	62,838,302	1,154,963,511		
	Wind Power	RFO	1,220	43,972,190	797,179,229	797,179,229		797,179,229	40,946,823	838,126,052					797,179,229	40,946,823	838,126,052		
	Wind Power	RFO	1,220																
	Wind Power	Gas		27,540,904	14,985,745	14,985,745		14,985,745	20,422,485	35,408,230					27,540,904	20,422,485	47,963,389		
	Wind Power	Gas		79,242,430	365,456,312	365,456,312		365,456,312	66,971,436	432,427,748					79,242,430	66,971,436	146,418,866		
	Wind Power	RLNG		57,258,450	930,197,692	930,197,692		930,197,692	21,422,974	951,620,666					57,258,450	21,422,974	788,043,640		
	Wind Power	RFO																	
	Wind Power	Gas		371,307,000	1,524,621,126	1,524,621,126		1,524,621,126	129,333,240	1,653,954,366					371,307,000	129,333,240	501,290,246		
	Wind Power	Gas		516,440	8,424,294	8,424,294		8,424,294	571,729	9,000,023					516,440	571,729	1,088,169		
	Wind Power	Gas		108,952,000	1,286,378,153	1,286,378,153		1,286,378,153	12,743,620	1,302,121,773					108,952,000	12,743,620	1,214,865,393		
	Wind Power	RLNG																	
	Wind Power	Gas		202,022,000	269,622,68														

CENTRAL POWER PURCHASING AGENCY (CPPA)
Energy Procurement Report (Provisions)
For the Month of September 2019

Sl. No.	Power Producer	Fuel	Dep. Capacity (MW)	Energy KWh	Fuel Cost component as determined by Authority (Rs./KWh)	Fuel Cost as per NEPRA Approved Rate (Rs.)	Heat Degradation Factor (DH) Rs.	Load Correction Factor (LC) Rs.	Fuel Charges Rs.	W&M Charges Rs.	EPF Billing month (Rs.)	Prev. Adjustment in Fuel Cost (Rs.)	Prev. Adjustment in W&M (Rs.)	Prev. Adjustment in EPF (Rs.)	State Charges	Total Fuel Cost Rs.	Total W&M Rs.	Total Energy Cost (Rs.)
1	Jinnor-Gas	RFO	56	4,477,391	12.6613	183,302,991	-	-	183,302,991	20,999,224	204,302,215	-	-	-	183,302,215	20,999,224	204,301,439	
2	Jinnor-Gas	RFO	56	30,542,741	13.9180	425,103,844	-	-	425,103,844	37,875,309	462,979,153	-	-	-	425,103,844	37,875,309	462,974,153	
3	Nishat Power	RFO	75	52,866,217	14.2073	751,078,631	-	15,172,157	766,250,788	55,667,186	821,917,974	1,102,842,274	5,397,812	1,194,240,076	1,869,889,652	127,064,958	1,996,954,610	
4	Foundation Power	Gas	126	95,026,369	7.0730	672,138,636	25,539,468	48,478,452	746,136,956	55,571,118	801,708,074	-	-	-	746,136,956	105,571,118	851,709,074	
5	Qwest	RLNG	213	95,661,320	11.9088	1,170,913,123	13,436,396	96,876,324	1,236,809,736	34,342,425	1,269,152,161	-	-	-	1,236,809,736	35,966,955	1,272,776,115	
6	Nasir Chaman	RFO	194	98,848,126	5.4117	535,252,183	-	21,842,811	557,094,994	82,951,272	640,046,266	46,938,272	17,996,509	-	604,984,538	100,947,781	705,932,319	
7	Saf Power	RLNG	134	105,173,223	11.6099	1,221,050,662	36,733,435	65,229,867	1,323,014,964	64,229,207	1,387,244,171	-	-	-	1,323,014,964	64,229,207	1,387,244,171	
8	Empire Energy	Gas	213	98,139,508	7.9345	778,645,217	-	23,813,580	802,458,797	51,238,637	853,697,434	-	-	-	802,458,797	51,238,637	853,697,434	
9	Sapphire Power	RLNG	204	15,834,510	13.2567	415,847,967	-	-	415,847,967	23,347,348	439,195,315	-	-	-	415,847,967	23,347,348	438,502,215	
10	Habco Narves	RFO	136	71,961,890	13.4099	965,258,092	-	-	965,258,092	81,424,864	1,046,682,956	46,796,932	8,108,924	97,905,856	1,046,682,956	96,035,788	1,142,718,744	
11	Liberty Power	RFO	136	83,559,719	13.8465	1,156,289,871	-	-	1,156,289,871	114,278,801	1,270,568,672	-	-	-	1,156,289,871	114,278,801	1,270,568,672	
12	Narves	RLNG	199	93,365,189	11.6095	1,083,972,826	30,351,217	76,647,255	1,190,970,826	57,282,126	1,248,252,952	-	-	-	1,190,970,826	57,282,126	1,248,252,952	
13	Jinnor-Gas	Gas	56	228,764,384	6.6074	1,465,792,292	48,897,496	15,890,002	1,530,682,590	78,341,659	1,609,024,249	-	-	-	1,530,682,590	78,341,659	1,609,024,249	
14	Jinnor-Gas	Gas	56	15,168,420	6.2389	93,806,545	-	-	93,806,545	11,246,933	1,05,053,478	-	-	-	93,806,545	11,246,933	1,05,053,478	
15	Jinnor-Gas	Gas	56	336,247,400	5.8248	3,234,947,567	-	-	3,234,947,567	299,961,839	3,534,909,406	-	-	-	3,234,947,567	299,961,839	3,534,909,406	
16	Empire PowerGen Turbine	Coal	260	345,916,180	5.0830	1,753,716,836	-	-	1,753,716,836	1,753,716,836	1,816,115,915	-	-	-	1,753,716,836	1,816,115,915	3,569,832,751	
17	Cypress Sugar Mills	Bagasse	41	651,961,525	5.8101	6,436,022,811.41	77,472,484	597,786,561	7,111,281,856	206,444,994	7,317,726,850	330,415,200	331,415,200	-	7,464,896,656	206,444,994	7,671,341,650	
18	Qwest	HSD	213	464,118,704	9.8997	4,551,457,834	54,662,410	367,582,299	4,973,622,543	146,011,743	5,119,634,286	2,261,900,442	-	2,261,900,442	4,973,622,543	146,011,743	5,119,634,286	
19	Nasir Chaman	RFO	194	411,881,376	7.0490	2,908,832,780	-	-	2,908,832,780	74,954,102	2,983,786,882	-	-	-	2,908,832,780	74,954,102	2,983,786,882	
20	Qwest	RFO	67	719,929,463	9.9126	6,976,066,890	83,771,327	462,093,547	7,521,931,764	223,445,111	7,745,376,875	2,819,372	39,847	3,011,340	7,745,376,875	223,445,111	8,000,000,000	
21	Qwest	HSD	213	339,794,100	6.6823	4,466,078,295	-	-	4,466,078,295	415,524,888	4,881,603,183	-	-	-	4,466,078,295	415,524,888	4,881,603,183	
22	Qwest	HSD	213	5,149,877,238	41.3884	41,388,404,803	380,077,963	1,874,942,485	43,643,427,251	2,278,785,889	45,922,213,140	6,899,307,176	10,098,000	5,000,000,000	45,922,213,140	2,278,785,889	48,190,999,029	
23	Qwest	HSD	213	7,748,212,678	25.8866	62,925,696,696	390,015,963	1,874,942,485	64,190,644,144	3,046,416,536	67,237,060,680	6,899,307,176	10,098,000	5,000,000,000	67,237,060,680	3,046,416,536	70,283,477,216	
24	Qwest	HSD	213	18,000	154,000	154,000	-	-	154,000	154,000	154,000	-	-	-	154,000	154,000	308,000	
25	Qwest	HSD	213	68,470	68,470	68,470	-	-	68,470	68,470	68,470	-	-	-	68,470	68,470	136,940	
26	Qwest	HSD	213	15,074,470	15,074,470	15,074,470	-	-	15,074,470	15,074,470	15,074,470	-	-	-	15,074,470	15,074,470	30,148,940	
27	Qwest	HSD	213	4,264,186	4,264,186	4,264,186	-	-	4,264,186	4,264,186	4,264,186	-	-	-	4,264,186	4,264,186	8,528,372	
28	Qwest	HSD	213	4,484,230	4,484,230	4,484,230	-	-	4,484,230	4,484,230	4,484,230	-	-	-	4,484,230	4,484,230	8,968,460	
29	Qwest	HSD	213	4,482,170	4,482,170	4,482,170	-	-	4,482,170	4,482,170	4,482,170	-	-	-	4,482,170	4,482,170	8,964,340	
30	Qwest	HSD	213	4,439,580	4,439,580	4,439,580	-	-	4,439,580	4,439,580	4,439,580	-	-	-	4,439,580	4,439,580	8,879,160	
31	Qwest	HSD	213	4,461,762	4,461,762	4,461,762	-	-	4,461,762	4,461,762	4,461,762	-	-	-	4,461,762	4,461,762	8,923,524	
32	Qwest	HSD	213	7,475,946	7,475,946	7,475,946	-	-	7,475,946	7,475,946	7,475,946	-	-	-	7,475,946	7,475,946	14,951,892	
33	Qwest	HSD	213	3,907,786	3,907,786	3,907,786	-	-	3,907,786	3,907,786	3,907,786	-	-	-	3,907,786	3,907,786	7,815,572	
34	Qwest	HSD	213	1,385,980	1,385,980	1,385,980	-	-	1,385,980	1,385,980	1,385,980	-	-	-	1,385,980	1,385,980	2,771,960	
35	Qwest	HSD	213	5,871,822	5,871,822	5,871,822	-	-	5,871,822	5,871,822	5,871,822	-	-	-	5,871,822	5,871,822	11,743,644	
36	Qwest	HSD	213	5,479,820	5,479,820	5,479,820	-	-	5,479,820	5,479,820	5,479,820	-	-	-	5,479,820	5,479,820	10,959,640	
37	Qwest	HSD	213	14,247,898	14,247,898	14,247,898	-	-	14,247,898	14,247,898	14,247,898	-	-	-	14,247,898	14,247,898	28,495,796	
38	Qwest	HSD	213	14,267,530	14,267,530	14,267,530	-	-	14,267,530	14,267,530	14,267,530	-	-	-	14,267,530	14,267,530	28,535,060	
39	Qwest	HSD	213	14,796,650	14,796,650	14,796,650	-	-	14,796,650	14,796,650	14,796,650	-	-	-	14,796,650	14,796,650	29,593,300	
40	Qwest	HSD	213	14,396,952	14,396,952	14,396,952	-	-	14,396,952	14,396,952	14,396,952	-	-	-	14,396,952	14,396,952	28,793,904	
41	Qwest	HSD	213	2,833,926	2,833,926	2,833,926	-	-	2,833,926	2,833,926	2,833,926	-	-	-	2,833,926	2,833,926	5,667,852	
42	Qwest	HSD	213	1,364,580	1,364,580	1,364,580	-	-	1,364,580	1,364,580	1,364,580	-	-	-	1,364,580	1,364,580	2,729,160	
43	Qwest	HSD	213	7,724,960	7,724,960	7,724,960	-	-	7,724,960	7,724,960	7,724,960	-	-	-	7,724,960	7,724,960	15,449,920	
44	Qwest	HSD	213	5,747,220	5,747,220	5,747,220	-	-	5,747,220	5,747,220	5,747,220	-	-	-	5,747,220	5,747,220	11,494,440	
45	Qwest	HSD	213	5,369,740	5,369,740	5,369,740	-	-	5,369,740	5,369,740	5,369,740	-	-	-	5,369,740	5,369,740	10,739,480	
46	Qwest	HSD	213	4,913,739	4,913,739	4,913,739	-	-	4,913,739	4,913,739	4,913,739	-	-	-	4,913,739	4,913,739	9,827,478	
47	Qwest	HSD	213	4,788,616	4,788,616	4,788,616	-	-	4,788,616	4,788,616	4,788,616	-	-	-	4,788,616	4,788,616	9,577,232	
48	Qwest	HSD	213	7,289,802	7,289,802	7,289,802	-	-	7,289,802	7,289,802	7,289,802	-	-	-	7,289,802	7,289,802	14,579,604	
49	Qwest	HSD	213	6,746,136	6,746,136	6,746,136	-	-	6,746,136	6,746,136	6,746,136	-	-	-	6,746,136	6,746,136	13,492,272	
50	Qwest	HSD	213	6,361,244	6,361,244	6,361,244	-	-	6,361,244	6,361,244	6,361,244	-	-	-	6,361,244	6,361,244	12,722,488	
51	Qwest	HSD	213	5,561,009	5,561,009	5,561,009	-	-	5,561,009	5,561,009	5,561,009	-	-	-	5,561,009	5,561,009	11,122,018	
52	Qwest	HSD	213	10,005,960	10,005,960	10,005,960	-	-	10,005,960	10,005,960	10,005,960	-	-	-	10,005,960	10,005,960	20,011,920	
53	Qwest	HSD	213	68,470	68,470	68,470	-	-	68,470	68,470	68,470	-	-	-	68,470	68,470	136,940	
54	Qwest	HSD	213	67,859,616	67,859,616	67,859,616	-	-	67,859,616	67,859,616	67,859,616	-	-	-	67,859,616	67,859,616	135,719,232	
55	Qwest	HSD	213	67,859,616	67,859,616													

Source Wise Generation				
Sources	SEPTEMBER 2019			
	Reference		Actual	
	GWh	%	GWh	%
Hydel	5,736.21	45.75%	5,052.84	37.09%
Coal	1,528.77	12.19%	2,232.44	16.39%
HSD	-	0.00%	-	0.00%
RFO	-	0.00%	817.24	6.00%
Gas/ RLNG	1,943.23	15.50%	1,614.71	11.85%
RLNG	1,679.93	13.40%	2,868.46	21.06%
Nuclear	824.07	6.57%	749.28	5.50%
Import Iran	42.09	0.34%	49.97	0.37%
Mixed	7.03	0.06%	10.01	0.07%
Wind	424.14	3.38%	149.69	1.10%
Baggasse	285.16	2.27%	15.11	0.11%
Solar	66.43	0.53%	61.61	0.45%
Total	12,537.06	100.0%	13,621.35	100.0%
Sale to IPPs	-	0.00%	(12.56)	-0.09%
Transmission Losses	(213.14)	-1.70%	(367.43)	-2.70%
Net Delivered	12,323.92	98.3%	13,241.36	97.21%

Source Wise Fuel Cost/Energy Purchase Price				
Sources	SEPTEMBER 2019			
	Reference		Actual	
	Mlns. Rs.	Rs./kWh	Mlns. Rs.	Rs./kWh
Hydel	-	-	-	-
Coal	8,711.19	5.6982	11,960.70	5.3577
HSD	-	-	-	-
RFO	-	-	6,300.81	7.7099
Gas	7,757.87	3.9923	11,272.84	6.9814
RLNG	15,441.11	9.1915	29,164.00	10.1671
Nuclear	829.60	1.0067	707.49	0.9442
Import Iran	444.09	10.5500	578.24	11.5709
Mixed	71.57	10.1801	67.01	6.6967
Wind	-	-	-	-
Baggasse	1,757.10	6.1617	93.81	6.2089
Solar	-	-	-	-
Total	35,012.53	2.7927	60,144.89	4.4155
Supplemental Charges	-	-	1,966.26	0.1444
Sale to IPPs	-	-	(305.83)	(24.3453)
Grand Total	35,012.53	2.7927	61,805.32	4.5374
Transmission Losses	-	0.0483	-	0.1302
Net Total	35,012.53	2.8410	61,805.32	4.6676

National Electric Power Regulatory Authority



NOTIFICATION

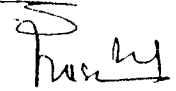
Islamabad, the November 20, 2019

S.R.O. **1413** (I)/2019: – 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 following adjustment in the approved tariff on account of variations in fuel charges for the month of September 2019 in respect of Ex-WAPDA Distribution Companies (XWDISCOs):

Actual Fuel Charges Component for September 2019	Rs.4.6676/kWh
Corresponding Reference Fuel Charges Component	Rs.2.8410/kWh
Fuel Price Variation for the month of September 2019 - Increase	Rs.1.8266/kWh

Note: The Authority has reviewed and assessed an increase of Rs.1.8266/kWh in the applicable tariff for EX-WAPDA DISCOs on account of variation in the fuel charges for the month of September 2019 as per the above details.

2. The above adjustment an increase of Rs.1.8266/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 September 2019 by the XWDISCOs. XWDISCOs shall reflect the fuel charges adjustment in respect of September 2019 in the billing month of December 2019.
3. While affecting the Fuel Adjustment Charges, the concerned XWDISCOs shall keep in view and strictly comply with the orders of the courts notwithstanding this order.


20 11 19

(Syed Safer Hussain)
Registrar

