



CENTRAL POWER PURCHASING AGENCY GUARANTEE LIMITED

(A Company of Government of Pakistan)

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Blue Area, Islamabad

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www.cppa.gov.pk

No. CPPA-G/2021/CFO/ 934-35

Dated: January 14, 2022

The Registrar NEPRA  
NEPRA Tower Ataturk Avenue (East),  
Sector G-5/1, Islamabad.

**SUBJECT: XWDISCOs' ENERGY PURCHASE DATA FOR MONTH OF DECEMBER 2021**

With reference to the FCA mechanism provided in XWDISCOs' tariff determination, please find attached the Energy Data for the month of December 2021. The soft copy of the FCA Claim along with the EPP invoices is also being sent to NEPRA for its consideration.

Tariff Division Record

By No. 386

Dated 18-1-22

CHIEF FINANCIAL OFFICER

CC:

- Chief Executive Officer, CPPA-G.
- Master File

For information & n.a. Please ✓ 17/1/22.

- ADG (Tariff-1)
- Copy to:
  - DG (M&E)
  - M/F

- CC: Chairman
- M (Tariff)

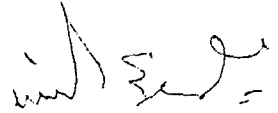
REGISTRAR  
17/1/22

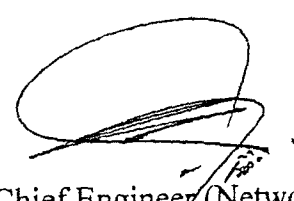
## CERTIFICATE

Subject: MONTHLY FUEL CHARGES ADJUSTMENT OF DISCOS  
FOR THE MONTH OF DECEMBER-2021.

- 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 DECEMBER-2021.
- II. Claimed Partial Loading Adjustment charges (PLAC) was not due to fuel constraint but was strictly in accordance with the provision of their respective Power Purchase Agreement and the plants were operated on partial load due to less demand in the system and transmission/distribution network constraints.

  
Deputy Manager (PC-I)  
NPCC, NTDC, Islamabad

  
Manager Power Control  
NPCC, NTDC, Islamabad

  
Chief Engineer (Network Operation)  
NPCC, NTDC, Islamabad.

# CERTIFICATE


## FOR FUEL ADJUSTMENT IN THE CONSUMER-END TARIFF

### REGARDING 2002 POWER POLICY

#### FOR THE MONTH OF DECEMBER 2021

This is to certify that:-

- 1) All purchases have been made from Generation Companies having valid generation License issued by NEPRA.
- 2) 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.
- 3) 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.

  
**DGM Technical  
(Renewable)**

  
**DGMF-I (CPPA-G)**

# CERTIFICATE

## FOR FUEL ADJUSTMENT IN THE CONSUMER-END TARIFF

### REGARDING 1994 POWER POLICY (HUBCO & KAPCO INCLUSIVE)

#### FOR THE MONTH OF DECEMBER 2021

This is to certify that: -

- i) All purchases have been made from IPPs under 1994 Policy, including HUBCO, KAPCO & Chasnupp and excluding Tavanir, having valid generation license issued by NEPRA.
- ii) Invoices of all Electricity Purchases have been made strictly in accordance with the rates, terms & conditions as stipulated in the respective Power Purchase Agreements.
- iii) All payments to IPPs are being made after observing all formalities provided in the respective Power Purchase Agreements.
- iv) All purchases have been made in accordance with the Power Purchase Agreement.

The above statement is true, based on facts and from verifiable documentary evidences. In case of any deviation / variation observed if not rectified at later stage, CPPA-G will be responsible for the consequences arising out of any misstatement under NEPRA Act and its Rules & Regulations.

  
DGM Technical  
(Conventional)

  
DGMF-H (CPPA-G)

CENTRAL POWER PURCHASING AGENCY (CPPA)  
Energy Procurement Report (Provisional)  
For the Month of December 2021

S.No.	Power Producers	Fuel	Dep. Capacity (MW)	Energy KWh	Fuel Charges Rs.	VO&M Charges Rs.	EPP Billing month (Rs.)	Prev. Adjustment in Fuel Cost (Rs.)	Prev. Adjustment in VO&M (Rs.)	Prev. Adjustment in EPP Total Rs.	Supp. Charges	Total Fuel Cost Rs.	Total VO&M Rs.	Total Energy Cost (Rs.)
				A	B	C	D=B+C	E	F	G=E+F	H	I=B+E+H	J=C+F	K=I+J
1	<i>Hydel</i>													
	WAPDA	Hydel	6,902	1,639,715,733		132,147,975	132,147,975						132,147,975	132,147,975
	Jagran	Hydel	30	2,209,084										
	Pehure	Hydel	18											
	Malakand-III SHYDO	Hydel	81	10,189,850										
	Larab	Hydel	84	29,439,450										
	Star Hydro	Hydel	147	16,560,200		3,053,701	3,053,701						3,053,701	3,053,701
	Head Maralla	Hydel	8	1,663,007										
	Neelum Jhelum	Hydel	969	66,744,500										
	Tarbela Ext. 4	Hydel	1,478											
	Mira Power Limited	Hydel	101	181,730		35,274	35,274						35,274	35,274
	Darat Khwar	Hydel	37	1,865,590										
	Ranolia	Hydel	17	267,050										
	<i>Hydel Total:</i>		9,872	1,768,836,194	-	135,236,950	135,236,950	-	-	-	-	-	135,236,950	135,236,950
2	<i>Ex-WAPDA GENCOs</i>													
	GENCO-I ***													
	Jamshoro Block 1	RFO	182											
	Unit 1	Gas												
	Jamshoro Block 2		464											
	Unit-2	RFO												
		Gas												
		RLNG												
	Unit-3	RFO												
		Gas												
		RLNG												
	Unit-4	Gas												
		RLNG												
Unit-4	RFO													
Kotli 37	Gas	0												
Jamshoro Block 4	Gas													
	<i>Jamshoro Total:</i>		646											
GENCO-II ***				79,040,400	642,168,019	5,445,883	647,613,902					642,168,019	5,445,883	647,613,902
Guddu CC Block 1 (CC)	Gas	390	43,372		317,166	2,988	320,154					317,166	2,988	320,154
Central Block 2 (CC)	Gas		78,997,028		641,850,853	5,442,895	647,293,748					641,850,853	5,442,895	647,293,748
Guddu (CC) Block-2	Gas	530												
Block 3 (Unit 3&4)	Gas													
Guddu 747 (CC)	Gas													
	<i>Central Total:</i>		1,641	347,831,400	2,240,745,379	165,457,165	2,406,202,544					2,240,745,379	165,457,165	2,406,202,544
GENCO-III ***									(1,007,768)	(1,007,768)				(1,007,768)
Northern Block 1		596												
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													
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 6	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							(1,007,768)	(1,007,768)			(1,007,768)	(1,007,768)
Northern Block 6	Gas	75												
Nandipur	RLNG	411												
	<i>Northern Total:</i>		1,884						(1,007,768)	(1,007,768)			(1,007,768)	(1,007,768)
GENCO-IV														
LAKHRA	Coal	31												
	<i>Sub-Total:</i>		31											
	<i>GENCOs Total:-</i>		4,202	347,831,400	2,240,745,379	165,457,165	2,406,202,544		(1,007,768)	(1,007,768)		2,240,745,379	164,449,397	2,405,194,776
3	<i>IPPs</i>													
	Kot Addu Block 1	RFO	325	51,614,509	1,110,870,307	34,901,560	1,145,771,867	172,566,630				1,283,436,937	34,901,560	1,318,338,497
		RLNG												
		HSD				231,435,659	4,702,458	236,138,117				231,435,659	4,702,458	236,138,117
	Kot Addu Block 2	RFO	762	56,387,190	1,331,451,330	53,722,869	1,385,174,199					1,331,451,330	53,722,869	1,385,174,199
		RLNG							(197)	(1,696,066)	(1,696,263)		(197)	(1,696,066)
	HSD													
	RLNG	249												
	HSD													
	<i>KAPCO Total:</i>		1,336	108,001,699	2,673,757,296	93,326,887	2,767,084,183	172,566,433	(1,696,066)	170,870,367		2,846,323,729	91,630,821	2,937,954,550
Hub Power	RFO	1,208	13,080,800		334,927,147	3,400,377	338,327,524					334,927,147	3,400,377	338,327,524
Kohmoo Energy	RFO	124	6,675,000		162,300,702	10,586,313	172,887,015		(93,076)	(33,076)		162,300,702	10,583,237	172,883,939
AES Lajpu	RFO	350							(26)	(10,605)			(26)	(10,605)



CENTRAL POWER PURCHASING AGENCY (CPPA)  
Energy Procurement Report (Provisional)  
For the Month of December 2021

S.No.	Power Producers	Fuel	Dep. Capacity (MW)	Energy KWh	Fuel Charges Rs.	VO&M Charges Rs.	EPP Billing month: (Rs.)	Prev. Adjustment in Fuel Cost (Rs.)	Prev. Adjustment in VO&M (Rs.)	Prev. Adjustment in EPP Total Rs.	Supp. Charges	Total Fuel Cost Rs.	Total VO&M Rs.	Total Energy Cost (Rs.)
31	Foundation Wind Energy-II (Pvt.) Limited	Wind	50	8,005,380	-	-	-	-	-	-	-	-	-	-
31	Master Green	Wind	50	9,381,800	-	-	-	-	-	-	-	-	-	-
31	TRICOM	Wind	50	10,145,740	-	-	-	-	-	-	-	-	-	-
32	SPPs	Mixed	257	7,877,793	35,355,986	-	35,355,986	-	-	-	-	35,355,986	-	35,355,986
<b>Sub-Total</b>			<b>2,043</b>	<b>263,135,970</b>	<b>35,355,986</b>	<b>-</b>	<b>35,355,986</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>35,355,986</b>	<b>-</b>	<b>35,355,986</b>
<b>G-Total:</b>			<b>35,642</b>	<b>8,815,063,747</b>	<b>72,761,355,416</b>	<b>2,467,652,603</b>	<b>75,229,008,019</b>	<b>2,052,117,712</b>	<b>(1,270,691)</b>	<b>2,050,847,021</b>	<b>-</b>	<b>74,813,473,128</b>	<b>2,466,381,912</b>	<b>77,279,855,040</b>
<b>Summary</b>														
1	Hydel		-	1,768,836,194	-	135,236,950	135,236,950	-	-	-	-	-	135,236,950	135,236,950
2	Coal		13.31	2,103,648,050	28,004,211,653	922,365,213	28,926,576,866	(43,705,354)	(12,691)	(43,718,044)	-	27,960,506,299	922,352,522	28,882,858,821
3	HSD		14.79	238,570,417	3,529,379,136	94,041,181	3,623,420,317	(21,115,253)	-	(21,115,253)	-	3,508,263,883	94,041,181	3,602,305,064
4	F.O.		22.24	353,259,470	7,858,131,070	380,140,550	8,238,271,619	174,818,922	(51,491)	174,767,431	-	8,032,949,991	380,089,059	8,413,039,051
5	Gas		7.75	1,215,569,467	9,420,266,770	563,409,183	9,983,675,953	(15,108,850)	(1,092,775)	(16,201,625)	-	9,405,157,920	562,316,408	9,967,474,328
6	RLNG		17.81	1,191,790,594	21,221,780,999	299,718,392	21,521,499,391	1,648,760,157	(1,704,860)	1,647,055,297	-	22,870,541,156	298,013,532	23,168,554,688
6	Nuclear		1.06	1,549,057,000	1,641,651,202	-	1,641,651,202	312,274,177	-	312,274,177	-	1,953,925,379	-	1,953,925,379
7	Import from Iran		13.27	36,471,200	483,912,401	-	483,912,401	(3,806,087)	-	(3,806,087)	-	480,106,314	-	480,106,314
8	Wind Power		-	210,078,407	-	-	-	-	-	-	-	-	-	-
9	Solar		-	45,179,770	-	-	-	-	-	-	-	-	-	-
10	Bagasse		5.98	94,725,385	566,666,199	72,741,134	639,407,333	0	1,591,125	1,591,125	-	566,666,199	74,332,259	640,998,458
11	Mixed		4.49	7,877,793	35,355,986	-	35,355,986	-	-	-	-	35,355,986	-	35,355,986
<b>Totals For The month:</b>				<b>8,815,063,747</b>	<b>72,761,355,416</b>	<b>2,467,652,603</b>	<b>75,229,008,019</b>	<b>2,052,117,712</b>	<b>(1,270,691)</b>	<b>2,050,847,021</b>	<b>-</b>	<b>74,813,473,128</b>	<b>2,466,381,912</b>	<b>77,279,855,040</b>
<b>Prev. Adjustments :</b>				<b>(41,147)</b>	<b>2,052,117,712</b>	<b>(1,270,691)</b>	<b>2,050,847,021</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>GRAND TOTALS :</b>				<b>8,815,022,600</b>	<b>74,813,473,128</b>	<b>2,466,381,912</b>	<b>77,279,855,040</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Energy Cost (Rs.)	74,813,473,128	2,466,381,912	77,279,855,040
Cost not chargeable to DISCOs (Rs.)	967,202,173	-	967,202,173
EPP (Chargeable) (Rs.)	73,846,270,955	2,466,381,912	76,312,652,867
Energy Sold (KWh)	8,529,905,460	8,529,905,460	8,529,905,460
Avg. Rate (Rs./KWh)	8.6573	0.2891	8.9465

Reference Rate (Rs./KWh)	5.5347
FCA Rate (Rs./KWh)	3.1226

CENTRAL POWER PURCHASING AGENCY (CPPA)  
Detail Breakup of FCC Claimed  
For the Month of DEC 2021

S.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 (kL) Rs.	Any other Cost as per PPA (Rs.)	Fuel Charges Rs.		
				A								B
1	Attock Gen Limited	RFO	156	27,916,965	18.2520	509,540,317	-	43,015,393	-	552,555,710		
4	Foundation Power Company Daharki Ltd.	Gas	171	108,725,630	6.5674	714,045,425	29,989,908	23,526,059	-	767,561,392		
5	Orient Power Company (Private) Limited	RLNG	213	-	-	794,151,536	24,736,079	85,204,937	-	904,092,552		
7	Engro Powergen Qadirpur Limited	Gas	213	90,903,836	7.8266	711,472,311	24,190,058	54,318,741	-	789,981,110		
8	Sapphire Electric Company Limited	RLNG/RFO	203	27,542,420	19.1055	526,211,240	16,417,791	58,440,761	-	601,069,792		
11	Uch-II Power (Pvt.) Limited	Gas	381	256,470,024	7.1023	1,821,528,064	58,495,700	17,926,430	-	1,897,950,194		
12	China Power Hub Generation company (Pvt.) Ltd	Coal	1,249	394,572,900	11.9289	4,706,820,667	36,713,201	91,598,137	-	4,835,132,005		
13	Quaid-e-Azam Thermal Power (Pvt) Limited	RLNG	1,180	44,736,906	50.1957	2,245,598,618	41,094,456	210,370,226	-	2,497,063,300		
14	National Power Parks Management Company Private	RLNG	2,550	1,078,214,600	17.0871	18,423,581,453	337,151,541	1,756,765,838	-	20,517,498,832		
15	Huaneng Shandong Ruyi Energy (Pvt) Ltd	Coal	1,320	572,268,750	14.7067	8,416,186,375	172,235,082	152,723,197	-	8,741,144,654		
16	Port Qasim Electric Power Company (Pvt.) Limited	Coal	660	595,578,200	16.2182	9,659,217,256	200,911,719	142,654,252	-	10,002,783,227		
<b>IPPs Total:-</b>			<b>10,642</b>	<b>3,238,226,899</b>	<b>-</b>	<b>48,528,353,263</b>	<b>941,935,535</b>	<b>2,636,543,971</b>	<b>-</b>	<b>52,106,832,768</b>		



Detail Of Energy Imported From Small Power Producers					
DISCO	Captive	Contract Capacity (MW)	Description	Dec, 2021	Rate (Rs./KWh)
MEPCO	Kumhar Wala Power House-I	5.00	Energy	1,259,153	
			Cost (Rs.)	-	
	DISCO's Total:-	5.00	Energy	1,259,153	-
HESCO	Thatta Power (Pvt.) Ltd.,	18.80	Energy	736,000.00	5.04
			Cost (Rs.)	3,709,402	
	Lucky Cement Factory Ltd., N-Abad	20.00	Energy	4,284,000	5.04
			Cost (Rs.)	21,591,139	
	DISCO's Total:-	56.80	Energy	5,020,000	5.04
			Cost (Rs.)	25,300,541	
SEPCO	AL Noor Sugar Mills	Energy	Energy	1,598,640	6.29
			Cost (Rs.)	10,055,446	
	DISCO's Total:-	16.00	Energy	1,598,640	6.29
			Cost (Rs.)	10,055,446	
<b>G-Total</b>		<b>61.80</b>	Energy	7,877,793	4.49
			Cost (Rs.)	35,355,986	