



Central Power Purchasing Agency Guarantee Limited
A Company of Government of Pakistan



No. CEO/CPPA-G/13848

17th January, 2017

The Registrar NEPRA,
NEPRA Tower, Attaturk Avenue,
G-5/1, Islamabad.

Subject: - ENERGY PURCHASE DATA FOR THE MONTH OF DECEMBER-2016

Monthly Energy Purchase Data for December-2016 along with complete detail of all charges taken into account is enclosed herewith. It is mentioned that Soft copy of the same is being sent to AD (Tariff), NEPRA.

It is certified that Energy during Billing Month was procured from all Power Producers having valid Generation License except TPS-Quetta of GENCO-II. Company has been asked for to provide Generation License in respect of its Thermal Power Station at Quetta. Certificate(s) provided by quarters concerned are enclosed.

D.A. (As Above)



Chief Financial Officer

CENTRAL POWER PURCHASING AGENCY (CPPA)
Energy Procurement Report (Provisional)
Dec/2016

S.No.	Power Producer	Fuel	Dep. Capacity (MW)	Energy KWh	FCC Rs.	VO&M Rs.	Total Energy Cost (Rs.)
1	Hydel						
	i. WAPDA	Hydel	6,902.00	1,588,465,547	-	172,793,282	172,793,282
	ii. Jagran	Hydel	30.00	(57,650)	-	(115,185)	-115,185
	iii. Pehure	Hydel	17.90	3,837,600	-	1,093,716	1,093,716
	iv. Malakand-III SHYDO	Hydel	81.46	11,950,000	-	2,987,500	2,987,500
	v. Lariaib	Hydel	84.00	38,453,000	-	11,912,739	11,912,739
	Hydel Total:		7,115.36	1,642,648,497	-	188,672,053	188,672,053
2	Ex-WAPDA GENCOs						
	GENCO-I						
	Jamshoro Block 1	RFO	205.00	91,125,500	888,945,945	8,429,109	897,375,054
	Jamshoro Block 2	RFO	470.00	74,237,418	775,240,238	6,866,961	782,107,199
	Unit 2-4	Gas		27,160,082	226,976,055	2,512,308	229,488,363
	Kotri 3-7	Gas	106.50	27,880,000	203,738,946	2,578,900	206,317,846
	Jamshoro Total		798.50	220,403,000	2,094,901,184	20,387,278	2,115,288,462
	GENCO-II						
	Guddu CC 11-13	Gas	390	72,971,175	665,934,943	5,027,714	670,962,657
	Central Block 2	Gas		244,935,279	1,655,689,005	16,876,041	1,672,565,046
	Guddu CC 5-10	Gas	530	3,671,187	37,224,001	252,945	37,476,946
	Central Block 3	Gas	340	66,964,959	543,192,961	4,613,886	547,806,847
	Guddu 747 (CC)	Gas	720.79	184,079,764	910,472,886	79,371,151	989,844,037
	Guddu 747 (OC)	Gas		80,667,236	598,482,324	-	598,482,324
	Central Total		2,120.79	653,289,600	4,410,996,120	106,141,736	4,517,137,856
	GENCO-III						
	Northern Block 1	RFO	558.00	207,639,461	2,194,872,628	33,907,524	2,228,780,152
	MG Unit 1-3	Gas		-	-	-	0
	Northern Block 2	RFO	270.00	98,086,543	1,013,336,839	16,017,532	1,029,354,371
	MG Unit 4	Gas		-	-	-	0
	Northern Block 3	RFO	360.00	73,314,078	814,381,378	11,972,189	826,353,567
	Nandipur	RFO	411.35	5,615,000	55,677,851	2,848,490	58,526,341
	Adjustment	HSD		-	-	-	0
	Northern Total:		1,979.35	384,655,082	4,078,268,696	64,745,735	4,143,014,431
	GENCO-IV						
		Coal	31.20	2,531,000	11,388,994	524,676	11,913,670
	Total:		31.20	2,531,000	11,388,994	524,676	11,913,670
	COs Total:-		5,354.84	1,260,878,682	10,595,554,994	191,799,424	10,787,354,419
3	IPPs						
	1 Kot Addu Block 1	RFO	325	220,681,700	1,616,340,874	100,872,060	1,717,212,934
		RLNG		15,597,000	104,226,734	4,110,000	108,336,734
		HSD		36,800	409,969	9,738	419,607
	Kot Addu Block 2	RFO	762	219,601,400	1,793,347,020	141,295,359	1,934,642,379
		RLNG		4,706,300	34,495,334	1,450,641	35,945,975
		HSD		3,585,800	45,389,744	3,225,841	48,615,585
	KAPCO Total		1,336.00	464,209,000	3,594,209,675	250,963,639	3,845,173,214
	2 Hub Power	RFO	1,200.00	647,431,000	5,586,101,365	113,364,991	5,699,466,356
	3 Kohinoor Energy	RFO	124.00	66,522,000	537,199,223	39,332,197	576,531,420
	4 AES Lalpur	RFO	350.00	157,854,100	1,366,368,515	26,735,275	1,393,103,790
	5 Pak Gen Power Limited	RFO	348.60	149,109,300	1,311,713,916	25,254,195	1,336,968,111
	6 Southern Power	RFO	110.47	-	-	-	-
	7 Habibullah	Gas	129.15	45,362,768	226,564,343	22,880,982	249,445,325
	8 Fauji Kabirwala	Gas	151.20	102,322,640	725,461,952	76,043,824	801,505,776
	9 Rousch	RLNG	395.00	272,271,178	1,918,643,448	75,745,842	1,994,389,290
	10 Saba Power	RFO	125.55	38,665,828	338,411,060	6,553,858	344,964,918
	11 Japan Power	RFO	107.00	-	-	-	-
	12 Uch	Gas	551.25	416,891,000	1,103,262,174	98,386,276	1,201,648,450
	13 Altern	Gas	27.12	10,403,830	68,994,717	7,089,170	76,083,887
	14 Liberty	Gas	211.85	130,775,400	628,878,538	41,351,181	670,229,719
	15 Davis Energen	RLNG	10.00	4,034,837	31,847,394	2,050,908	33,898,302
	16 Chashma Nuclear-II	Nucl.	300.00	212,397,000	267,195,426	-	267,195,426
	17 Chashma Nuclear-II	Nucl.	315.00	-	-	-	0
	18 Chashma Nuclear-III	Nucl.	340.00	229,295,000	-	-	0
	19 Chashma Nuclear-IV	Nucl.	325.00	-	-	-	0
	20 Tavanir Iran	Import	96.00	32,046,628	340,655,656	-	340,655,656
	Sub-Total:		6,553.19	2,979,591,509	18,045,507,302	785,752,338	18,831,259,640

CENTRAL POWER PURCHASING AGENCY (CPPA)
Energy Procurement Report (Provisional)
Dec/2016

S.No.	Power Producer	Fuel	Dep. Capacity (MW)	Energy KWh	FCC Rs.	VO&M Rs.	Total Energy Cost (Rs.)
1	Attock-Gen	RFO	156.18	88,337,527	639,253,935	82,869,434	722,123,369
2	Atlas Power	RFO	213.86	111,714,048	888,530,719	103,100,895	991,631,614
3	Nishat Power	RFO	195.31	96,676,762	722,408,738	89,222,984	811,631,722
4	Foundation Power	Gas	171.48	36,152,907	206,901,393	13,633,261	220,534,654
5	Orient	Gas	212.70	-	-	-	0
6	Nishat Chunian	HSD	-	19,713,687	223,750,347	6,947,101	230,697,448
7	Saif Power	RFO	195.72	107,673,969	844,538,670	99,135,423	943,674,093
8	Engro Energy	Gas	203.89	-	-	-	0
9	Sapphire Power	HSD	-	9,023,083	102,863,146	4,763,286	107,626,432
10	Hubco Narowal	Gas	212.98	153,913,619	767,818,461	50,283,579	818,102,040
11	Liberty Power	HSD	-	-	-	-	0
12	Halmore	Gas	203.17	-	-	-	0
13	Uch-II	HSD	-	17,675,040	215,458,738	9,226,371	224,685,109
14	JDW-I	RFO	213.82	116,180,524	974,754,596	102,994,452	1,077,749,048
15	JDW-III	RFO	196.14	102,835,693	764,780,184	105,869,346	870,649,530
16	RYK	Gas	199.24	-	-	-	0
17	Chiniot Power	HSD	-	10,584,320	141,972,321	5,613,923	147,586,244
18	Fatime Energy	Gas	380.75	251,229,879	1,244,420,864	54,943,975	1,299,364,839
		Bagasse	26.35	13,735,700	82,169,705	6,304,686	88,474,391
		Bagasse	26.35	14,374,790	85,992,868	6,598,029	92,590,897
		Bagasse	24.01	13,827,400	82,718,272	6,346,777	89,065,049
		Bagasse	62.40	23,797,640	142,362,242	10,923,117	153,285,359
		Bagasse	118.80	4,045,790	-	-	-
Sub-Total:			3,013.15	1,191,492,378	8,130,695,200	758,776,638	8,889,471,838
IPPs Total:-			9,566.34	4,171,083,887	26,176,202,502	1,544,528,976	27,720,731,478
4	Others						
1	TPS-Quetta	Gas	25.00	(37,000)	(318,200)	(2,549)	-320,749
2	Zorlu	Wind	56.40	3,858,720	-	25,077	25,077
3	FFCEL	Wind	49.50	3,324,410	-	19,751	19,751
4	TGF	Wind	49.50	3,915,600	-	27,260	27,260
5	Foundation	Wind	49.50	6,596,530	-	38,938	38,938
6	Sapphire Wind Power	Wind	49.50	5,032,720	-	29,880	29,880
7	Younus Energy Ltd.,	Wind	49.50	5,857,420	-	34,225	34,225
8	Metro Wind Power	Wind	49.50	6,590,930	-	29,000	29,000
9	Gul Ahmad Wind Power	Wind	49.50	6,035,910	-	35,297	35,297
10	Master Wind Power	Wind	49.50	6,023,230	-	35,356	35,356
11	Tenaga Generasi	Wind	49.50	3,184,280	-	-	-
12	Tapal Wind	Wind	49.50	3,709,090	-	21,675	21,675
13	Quid-e-Azam Solar Park	Solar	100.00	10,294,240	-	25,463,832	25,463,832
14	Apollo Solar Park	Solar	100.00	10,720,590	-	26,518,451	26,518,451
15	Best Green Energy	Solar	100.00	11,063,420	-	27,366,476	27,366,476
16	Crest Energy	Solar	100.00	11,081,950	-	27,412,312	27,412,312
17	SPPs	Mixed	256.90	27,794,214	182,184,016	-	182,184,016
Others Total			1,233.30	125,046,254	181,865,816	107,054,980	288,920,797
G-Total:-			23,269.84	7,199,657,320	36,953,623,312	2,032,055,434	38,985,678,746
Summary							
1	Hydel			1,642,648,497	-	188,672,053	188,672,053
2	Coal			2,531,000	11,388,994	524,676	11,913,670
3	HSD			60,618,730	729,844,165	29,786,260	759,630,425
4	F.O.			2,673,301,851	23,126,203,694	1,116,642,274	24,242,845,968
5	Gas			1,855,344,725	9,813,695,363	475,842,642	10,289,538,005
6	RLNG			296,609,315	2,089,212,910	83,357,391	2,172,570,301
6	Nuclear			441,692,000	267,195,426	-	267,195,426
7	Import from Iran			32,046,628	340,655,656	-	340,655,656
8	Wind Power			54,128,840	-	296,459	296,459
9	Solar			43,160,200	-	106,761,071	106,761,071
10	Bagasse			69,781,320	393,243,088	30,172,608	423,415,696
11	Mixed			27,794,214	182,184,016	-	182,184,016
Total For The month				7,199,657,320	36,953,623,312	2,032,055,434	38,985,678,746
Prev. Adjustment					6,736,490,681	78,254,254	6,814,744,935
Grand Total:				7,199,657,320	43,690,113,993	2,110,309,688	45,800,423,681
Energy Sale Price							
Energy Cost (Rs.)				43,690,113,993	2,110,309,688	45,800,423,681	
Cost not chargeable to DISCOs (Rs.)				91,630,662		91,630,662	
EPP (Chargeable) (Rs.)				43,598,483,331	2,110,309,688	45,708,793,019	
Energy Sold (KWh)				6,982,119,946	6,982,119,946	6,982,119,946	
Avg. Rate (Rs./KWh)				6.244305	0.302245	6.546549	

Supplemental EPP charges under PPA's Dec/16			
S.No.	Generators	Description	Amount (Million Rs.)
1	Hydel		-
2	GENCOS		-
3	IPPs	Start-Up	14.40
		PLAC	0.24
		Open Cycle	1.27
		Fuel Differential	332.45
		E-Duty	17.96
		Sub-Total:-	366.33
		Total (1 + 2 + 3)	366.33

Detail Of Energy Imported From Small Power Producers				
DISCO	SPPs	Description	Nov/2016	Rate (Rs./KWh)
FESCO	Bhone sugar Mills	Energy	172	6.29
		Cost (Rs.)	1,082	
	DISCOs Total:-	Energy	172	6.29
		Cost (Rs.)	1,082	
MEPCO	IndusSugar Mills	Energy	1,201,256	6.29
		Cost (Rs.)	7,555,900	
	Ashraf Sugar Mills	Energy	2,542,480	6.29
		Cost (Rs.)	15,992,199	
	Hamzah Sugar Mills	Energy	1,356,496	6.29
		Cost (Rs.)	8,532,360	
	Layyah Sugar Mills	Energy	5,134,080	6.29
		Cost (Rs.)	32,293,363	
	DISCO's Total:-	Energy	13,520,952	6.29
		Cost (Rs.)	85,046,788	
HESCO	Thatta Power (Pvt.) Ltd.,	Energy	63,500	6.80
		Cost (Rs.)	431,800	
	Anoud Textile NCPP	Energy	44,656	6.80
		Cost (Rs.)	303,661	
	Agar Textile Mills	Energy	2,477,952	7.80
		Cost (Rs.)	19,328,026	
	Faran Sugar Mills	Energy	568,728	6.29
		Cost (Rs.)	3,577,299	
	Omni (NPCC)	Energy	321,848	6.80
		Cost (Rs.)	2,188,566	
	Chamber Sugar Mills	Energy	223,806	6.99
		Cost (Rs.)	1,563,285	
	Bandhi Sugar Mills	Energy	1,680,472	6.29
		Cost (Rs.)	10,570,169	
	Sanghar Sugar Mills	Energy	1,111,920	6.99
		Cost (Rs.)	7,766,761	
	Hi-Tech	Energy	1,632,816	7.80
		Cost (Rs.)	12,735,965	
	Mehran	Energy	658,304	6.29
		Cost (Rs.)	4,140,732	
Tando Allah Yar Sugar Mills	Energy	1,775,988	6.29	
	Cost (Rs.)	11,170,965		
DISCO's Total:-	Energy	10,559,990	6.99	
	Cost (Rs.)	73,777,228		
SEPCO	AL Noor Sugar Mills	Energy	3,706,200	6.29
		Cost (Rs.)	23,311,998	
	Dadu Energy	Energy	4,900	6.80
		Cost (Rs.)	33,320	
	Lodra Power	Energy	2,000	6.80
		Cost (Rs.)	13,600	
	DISCO's Total:-	Energy	3,713,100	6.29
		Cost (Rs.)	23,358,918	
G-Total		Energy	27,794,214	6.55
		Cost (Rs.)	182,184,016	

CERTIFICATE

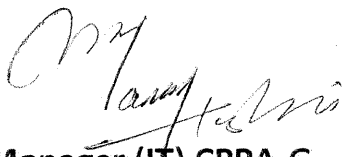
FOR FUEL ADJUSTMENT IN THE CONSUMER-END TARIFF

REGARDING 1994 POWER POLICY (HUBCO & KAPCO INCLUSIVE)

FOR THE MONTH OF December ,2016

This is to certify that :-

- i) All purchases have been made from IPP's Under 1994 Policy, including HUBCO , KAPCO & Chasnupp and Excluding Tavanir, having valid generation License issued by NEPRA.
 - ii) Invoices of all Electricity Purchaser have been made strictly in accordance with the rates, Terms & conditions as stipulated in the respective Power Purchase Agreement.
 - iii) All payments to IPP's are being made after observing all formalities provided in the respective Power Purchase Agreement.
 - iv) All Sales / Purchases have been made in accordance with the Power Purchase Agreement.
2. The above statement is true and based on facts and verifiable documentary evidence. In case of any deviation / Variation observed if not rectified at later stage, WPPO will be responsible for the consequences arising out of any misstatement under NEPRA Act, Rules & XRegulations made there under a relevant Law of the country, whichever is applicable.


6/11/17
Manager (IT) CPPA-G

CERTIFICATE

FOR FUEL ADJUSTMENT IN THE CONSUMER-END TARIFF

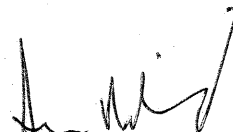
REGARDING 2002 POWER POLICY FOR THE MONTH OF

December ,2016

This is to certify that :-

- 1) All purchases have been made from Generation Companies having valid generation License issued by NEPRA except TPS Quetta..
- 2) Invoices of all Electricity Purchaser have been made strictly in accordance with the rates, Terms & conditions as determined / approved / specified by NEPRA and notified in the Official Gazette, However Payment regarding periodical adjustments are made as per decision of NEPRA.

The above statement is true and based on facts and verifiable documentary evidence. In case of any deviation / Variation observed if not rectified at later stage, CPPA will be responsible for the consequences arising out of any misstatement under NEPRA Act, Rules & Regulations made there under a relevant Law of the country, whichever is applicable.




Aamer Rashid

Addl: Manager (IT) CPPA-G

CERTIFICATE

Subject: MONTHLY FUEL CHARGES ADJUSTMENT OF DISCOS FOR THE MONTH OF DECEMBER – 2016

- 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- 2016
- 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 plant was operated on partial load due to less demand in the system and transmission / distribution network constraints.


13-01-2017
Chief Engineer (Network Operation)
NPCC, NTDCL, Islamabad