



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



No. CEO/CPPA-G/2901

18th March, 2016

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

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

Monthly Energy Purchase Data for February-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), NEPA.

It is certified that Energy during Billing Month was procured from all Power Producers having valid Generation License. Certificate(s) provided by quarters concerned are enclosed herewith.

Urgent Circulation to

For information &

D.A. (As Above)

SAT-I
by to:

npa to.

11/1
Chief Financial Officer

22.03.16

22/3
— SAC(Tech)
— Consultant(M&E)
— M/F

cc: chairman
vc/m(LA)
m(CT)
m(M&E)
m(Lic)

div (A)
22/3

DD(T-III)

Registrar
Dy No. 2984
Dated: 22-03-2016

Senior Addition Tariff
Dy No. 2384
Date: 22-3-16

CENTRAL POWER PURCHASING AGENCY (CPPA)
Energy Procurement Report (Provisional)
Feb-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	2,122,664,551	-	184,393,747	184,393,747
ii.	Jagran	Hydel	30.00	1,462,080	-	2,921,236	2,921,236
iii.	Pehure	Hydel	17.90	(124,920)	-	(35,602)	-35,602
iv.	Malakand-III SHYDO	Hydel	81.46	29,329,000	-	7,332,250	7,332,250
v.	Larailb	Hydel	84.00	59,928,000	-	11,632,025	11,632,025
	Hydel Total:		7,115.36	2,213,258,711	-	206,243,656	206,243,656
2	Ex-WAPDA GENCOs						
	GENCO-I						
i.	Jamshoro Block 1	RFO	205.00	72,070,500	388,076,253	6,666,521	394,742,774
	Jamshoro Block 2	RFO	470.00	36,060,502	221,142,059	3,335,596	224,477,655
	Unit 2-4	Gas		123,799,998	1,040,565,039	11,451,500	1,052,016,539
	Kotri 3-7	Gas	106.50	15,711,520	116,311,648	1,453,316	117,764,964
	Jamshoro Total		798.50	247,642,520	1,766,094,999	22,906,933	1,789,001,932
	GENCO-II						
ii.	Guddu CC 11-13	Gas	390	51,117,875	458,000,825	3,522,022	461,522,847
	Central Block 2	Gas		120,161,755	797,387,122	8,278,456	805,665,578
	Guddu CC 5-10	Gas	530	138,970	1,383,419	9,575	1,392,994
	Guddu 747	Gas	747	139,762,393	678,686,180	38,518,516	717,204,696
	Central Total		2,147.00	311,170,993	1,935,457,546	50,328,568	1,985,786,114
	GENCO-III						
iii.	Northern Block 1	RFO	558.00	137,168,451	899,010,712	17,831,899	916,842,611
	MG Unit 1-3	Gas		-	-	-	0
	Northern Block 2	RFO	270.00	85,925,856	540,781,816	11,170,361	551,952,177
	MG Unit 4	Gas		-	-	-	0
	Northern Block 3	RFO	360.00	72,552,861	529,738,638	9,431,872	539,170,510
	GTPS FSD 5-9	Gas	117.00	10,018,673	60,268,329	1,302,427	61,570,757
	Nandipur	RFO	411.35	104,720,000	715,776,570	74,078,928	789,855,498
		HSD		-	-	-	-
	Northern Total:		1,979.35	410,385,841	2,745,576,066	113,815,487	2,859,391,553
	GENCO-IV						
iv.		Coal	31.20	5,127,000	23,070,475	651,642	23,722,116
	Total:		31.20	5,127,000	23,070,475	651,642	23,722,116
	GENCOs Total:-		5,381.05	974,326,354	6,470,199,086	187,702,630	6,657,901,716
3	IPPs						
1	Kot Addu Block 1	RFO	325	166,432,700	747,351,994	75,780,181	823,132,175
		Gas		45,606,800	307,940,280	11,971,312	319,911,592
	Kot Addu Block 2	RFO	762	133,953,300	658,890,398	85,853,647	744,744,045
		Gas		7,086,200	52,479,887	2,175,730	54,655,617
	KAPCO Total		1,336.00	353,079,000	1,766,662,559	175,780,870	1,942,443,429
2	Hub Power	RFO	1,200.00	546,134,400	2,672,810,594	96,927,379	2,769,737,973
3	Kohinoor Energy	RFO	124.00	60,255,000	281,773,038	35,662,281	317,435,319
4	AES Lalpir	RFO	350.00	150,357,600	772,153,185	25,491,026	797,644,211
5	Pak Gen Power Limited	RFO	348.60	132,854,000	708,868,822	22,523,536	731,392,358
6	Southern Power	RFO	110.47	-	-	-	-
7	Habibullah	Gas	129.15	5,032,917	28,705,513	2,527,763	31,233,276
8	Fauji Kabirwala	Gas	151.20	91,985,260	483,593,703	68,429,514	552,023,217
9	Roush	Gas	395.00	104,902,259	733,361,200	39,074,829	772,436,029
10	Saba Power	RFO	125.55	-	-	-	-
11	Japan Power	RFO	107.00	-	-	-	-
12	Uch	Gas	551.25	317,444,000	874,890,628	75,012,017	949,902,645
13	Altern	Gas	27.12	4,971,630	32,573,041	1,174,796	33,747,837
14	Liberty	Gas	211.85	58,928,700	424,691,568	38,551,156	463,242,724
15	Davis Energen	Gas	10.00	355,000	2,335,900	174,199	2,510,099
16	Chashma Nuclear	Nucl.	300.00	190,575,000	239,743,350	-	239,743,350
17	Chashma Nuclear-II	Nucl.	315.00	213,777,000	228,591,746	-	228,591,746
18	Tavanir Iran	Import	96.00	32,684,400	346,454,640	-	346,454,640
	Sub-Total:		5,888.19	2,263,336,166	9,597,209,487	581,329,366	10,178,538,853

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CENTRAL POWER PURCHASING AGENCY (CPPA)
Energy Procurement Report (Provisional)
Feb-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	76,810,535	274,006,820	70,842,356	344,849,176
2	Atlas Power	RFO	213.86	82,633,680	378,777,895	74,990,065	453,767,960
3	Nishat Power	RFO	195.31	75,764,594	407,454,016	68,756,369	476,210,385
4	Foundation Power	Gas	171.48	42,087,646	254,888,743	15,614,517	270,503,260
5	Orient	Gas	212.70	47,186,152	336,991,586	9,998,749	346,990,335
		HSD		2,433,144	26,707,260	845,516	27,552,776
6	Nishat Chunian	RFO	195.72	62,978,054	324,519,014	57,007,734	381,526,748
7	Salf Power	Gas	203.89	52,770,556	382,058,825	386,298,998	768,357,823
		HSD		-	-	-	0
8	Engro Energy	Gas	212.98	-	448,887,388	-	448,887,388
9	Sapphire Power	Gas	203.17	40,943,950	296,192,396	14,600,613	310,793,009
		HSD		-	-	-	-
10	Hubco Narowal	RFO	213.82	74,190,257	365,877,334	63,959,416	429,836,750
11	Liberty Power	RFO	196.14	62,140,138	320,807,408	62,860,964	383,668,372
		Gas	199.24	45,828,518	322,618,869	16,599,089	339,217,958
		HSD		1,008,217	13,850,200	527,197	14,377,397
13	Uch-II	Gas	380.75	134,483,288	678,476,762	28,927,355	707,404,117
14	JDW-I	Bagasse	26.35	13,447,000	77,591,879	5,778,176	83,370,055
15	JDW-III	Bagasse	26.35	13,614,610	78,559,023	5,850,198	84,409,221
16	RYK	Bagasse	24.01	12,901,300	77,556,165	5,543,689	83,099,854
17	Chiniot Power	Bagasse	62.40	21,906,330	124,997,519	10,819,536	135,817,055
Sub-Total:			2,831.95	863,127,969	5,190,819,102	899,820,537	6,090,639,639
IPP,s Total:-			8,720.14	3,120,464,135	14,788,028,589	1,481,149,903	16,269,178,492
Others							
4	i. TPS-Quetta	Gas	25.00	(34,000)	(292,400)	(2,343)	-294,743
	ii. Zorlu	Wind	56.40	7,342,880	-	-	0
	iii. FFCCL	Wind	49.50	6,215,000	-	-	-
	iv. TGF	Wind	49.50	7,199,100	-	-	-
	v. Foundation	Wind	49.50	10,341,540	-	-	-
	vi. Sapphire Wind Power	Wind	49.50	8,195,460	-	-	-
	vii. Quid-e-Azam Solar Park	Solar	100.00	13,834,360	-	34,220,673	34,220,673
	viii. SPPs	Mixed	256.90	30,288,652	217,377,463	-	217,377,463
Others Total			636.30	83,382,592	217,065,063	34,218,330	251,303,394
G-Total:			21,852.85	6,397,432,192	21,475,312,739	1,909,314,519	23,384,627,258
Summary							
1	Hydel			2,213,258,711	-	206,243,656	206,243,656
2	Coal			5,127,000	23,070,475	651,642	23,722,116
3	HSD			3,441,361	40,557,460	1,372,713	41,930,173
4	F.O.			2,133,002,428	11,207,816,566	863,170,132	12,070,986,698
5	Gas			1,460,280,060	8,812,996,452	775,664,105	9,588,660,558
6	Nuclear			404,352,000	468,335,096	-	468,335,096
7	Import from Iran			32,684,400	346,454,640	-	346,454,640
8	Wind Power			39,293,980	-	-	0
9	Solar			13,834,360	-	34,220,673	34,220,673
10	Bagasse			61,869,240	358,704,586	27,991,599	386,696,185
11	Mixed			30,288,652	217,377,463	-	217,377,463
Total For The month				6,397,432,192	21,475,312,739	1,909,314,519	23,384,627,258
Prev. Adjustment				-	1,059,177,310	(2,404,240)	1,056,773,069
Grand Total:				6,397,432,192	22,534,490,048	1,906,910,279	24,441,400,328

Energy Sale Price

Energy Cost (Rs.)	22,534,490,048	1,906,910,279	24,441,400,328
Cost not chargeable to DISCOs (Rs.)	51,364,310		51,364,310
EPP (Chargeable) (Rs.)	22,483,125,738	1,906,910,279	24,390,036,018
Energy Sold (KWh)	6,204,133,388	6,204,133,388	6,204,133,388
Avg. Rate (Rs./KWh)	3.623895	0.307361	3.931256

Ans
12/03/16

Supplemental EPP charges under PPA's			
Feb-16			
S.No.	Generators	Description	Amount (Million Rs.)
1	Hydel		-
2	GENCOS		-
3	IPPs	Start-Up	8.12
		PLAC	35.06
		Open Cycle	20.03
		Bonus	205.97
		Fuel Differential	344.33
		E-Duty	57.08
		Sub-Total:-	670.59
		Total (1 + 2 + 3)	670.59

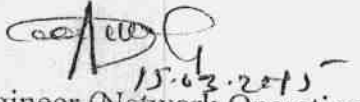
Energy Payment Price (EPP)

S. No.	Category	Block	Fuel	Capacity (MW)	Energy (KWH)	Energy Payment Price (₹/KWH)										Total EPP (₹/KWH)				
						FC	Cur. Month EPP (₹/KWH)	VOLE	GC	Prev. Adjustment	Prev. Adjustment	Start-Up	PLAC	Open Cycle	Bonus		Fuel Differential	E. Duty	Suppl. (₹/KWH)	GST On Suppl.
1	KAPCO	B-I	RFO	166,432.700	747,251.994	75,780.161	823,132.175	164,505.435	-1,553.208	74,484.136	-	435.245	9,441.131	15,408.783	190,777.917	-	217,087.140	73,157.061	1,038,545.105	
		B-I	Gas	45,506.800	307,940.280	11,971.312	315,911.592	54,384.071	(415.619)	20,405.070	-	120.355	2,887.127	4,458.425	-	-	7,203.917	-	326,689.980	
		HSD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		RFO	133,953.300	658,890.398	85,653.647	744,744.045	140,648.809	-1,250.100	59,932.334	353.530	7,559.739	13,206.603	153,547.539	-	-	174,706.411	-	916,200.356		
		Gas	7,086.200	52,479.887	2,175.120	54,655.017	3,291.455	-68.131	2,170.457	18.702	401.977	698.636	-	-	1,119.315	-	-	54,708.802		
KAPCO Total:-	B-I	HSD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	B-I	Gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	B-I	HSD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	B-I	Gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	B-I	HSD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2	HUBCO	RFO	1,300.00	546,134.400	2,572,810.594	96,927.379	2,769,727.973	470,555.442	-	-	8,122.946	34,130.466	-	144,739.168	-	-	187,052.520	-	2,956,790.603	
		RFO	80,255.000	281,773.028	35,562.281	317,435.319	53,594.004	-	-	-	-	-	-	-	-	-	-	317,435.319	-	
		RFO	347.50	150,357.800	777,153.185	797,644.211	135,569.518	(3,560)	(622)	-	-	-	-	-	-	-	-	797,644.551	-	
		RFO	348.50	132,854.000	708,689.822	22,523.306	731,392.368	124,356.701	(3,994.233)	(678,030)	-	-	-	-	-	-	-	-	727,396.066	-
		RFO	110.17	0	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
		HSC	129.15	5,032.917	28,705.513	2,527.763	31,233.276	5,309.657	-	-	-	-	-	-	-	-	-	31,233.276	-	
		FRPL	151.00	91,985.260	483,593.703	65,429.514	552,023.217	53,843.947	(46)	-	-	-	-	-	-	-	-	552,023.217	-	
		ROUSH	395.00	104,902.259	733,351.200	39,074.829	772,426.029	131,314.125	(29,416)	(5,001)	-	-	-	-	-	-	-	772,406.613	-	
		RFO	125.55	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		ISABA	RFO	107.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		JAPAN	RFO	551.25	317,444.000	874,890.628	75,012.017	949,902.645	161,483.450	-	-	-	-	-	-	-	-	-	97,077.200	-
		UCH	Gas	26.40	4,571.630	32,573.041	1,174.795	33,747.837	5,737.132	-	-	-	-	-	-	-	-	-	33,747.837	-
		ALTERN	Gas	211.85	58,928.700	424,891.958	38,551.155	463,242.724	78,751.203	-	-	-	-	-	-	-	-	-	469,502.673	-
		LIBERTY	Gas	9.50	355.000	2,335.800	174.199	2,510.099	425.717	(7,954.538)	(1,352.271)	-	-	-	-	-	-	-	26,359.949	-
		Davis Emergen	Gas	300.00	190,575.000	239,743.350	239,743.350	40,594.351	-	-	-	-	-	-	-	-	-	-	(5,444.439)	-
		CHASNUPL	NGL	315.00	228,591.745	228,591.745	228,591.745	228,591.745	-	-	-	-	-	-	-	-	-	-	228,591.745	-
		CHASNUPL-II	NGL	315.00	228,591.745	228,591.745	228,591.745	228,591.745	-	-	-	-	-	-	-	-	-	-	228,591.745	-
Sub Total	RFO	96.00	32,584.400	346,454.540	346,454.540	346,454.540	-	-	-	-	-	-	-	-	-	-	-	346,454.540	-	
	Sub Total	5,892.77	2,383,316.155	9,597,209.487	581,239.356	10,178,538.853	1,718,146.891	(15,275.986)	155,925.127	8,122.946	35,092.332	20,029.034	205,989.594	344,325.455	57,077.200	-	670,568.562	73,157.061	10,833,848.449	
3	Attock Gan	RFO	156.18	76,810.535	274,006.820	70,842.356	344,849.176	58,624.200	0	-	-	-	-	-	-	-	-	344,849.176	-	
		RFO	213.86	82,533.980	378,777.895	74,990.065	453,767.960	77,140.553	-	-	-	-	-	-	-	-	-	453,767.960	-	
		RFO	195.31	75,794.594	407,454.016	60,796.389	476,210.385	80,955.785	(488.810)	-	-	-	-	-	-	-	-	476,800.975	-	
		Foundation Power	Gas	171.48	42,087.645	254,886.423	15,614.517	270,503.260	45,985.554	(0)	-	-	-	-	-	-	-	-	270,503.260	-
		Gas	212.70	47,186.152	336,991.898	9,398.749	346,390.335	58,988.357	-	-	-	-	-	-	-	-	-	-	346,990.335	-
		Orient	HSD	2,433.144	26,707.260	045.516	27,552.776	17,226.364	14,521.778	-	-	-	-	-	-	-	-	-	42,474.554	-
		Nishat Chinnah	RFO	195.72	62,978.054	324,519.014	57,007.134	381,525.745	64,359.347	(113.817)	-	-	-	-	-	-	-	-	381,412.931	-
		Gas	203.89	32,770.556	382,058.825	386,296.590	768,357.823	130,620.320	(116)	-	-	-	-	-	-	-	-	768,357.707	-	
		HSD	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(5,100)	-
		Sail Power	Gas	212.98	0	448,887.388	-	448,887.388	78,310.859	(49)	0	-	-	-	-	-	-	-	448,887.339	-
		Engro Energy	Gas	212.98	0	448,887.388	-	448,887.388	78,310.859	(49)	0	-	-	-	-	-	-	-	448,887.339	-
		HSD	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Sapphire Power Ltd	Gas	203.17	40,943.950	296,192.396	14,800.513	310,793.009	52,834.812	-	-	-	-	-	-	-	-	-	310,793.009	-
		HSD	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		HUBCO-Alamoni	RFO	213.82	74,190.257	365,877.334	83,959.416	429,836.750	73,072.245	(8)	(3)	-	-	-	-	-	-	-	429,836.739	-
		Liberty Power	RFO	196.14	62,140.138	320,807.408	62,860.964	383,668.372	65,223.623	(775)	(1)	-	-	-	-	-	-	-	383,667.556	-
		Gas	199.24	45,828.518	322,618.969	16,599.085	339,217.958	57,657.053	(18,975.599)	-	-	-	-	-	-	-	-	-	322,241.350	-
Haimore	HSD	1,006.217	13,850.200	557.197	14,577.397	8,789.246	(686)	-	-	-	-	-	-	-	-	-	-	14,576.711	-	
Uch-I	Gas	375.20	134,483.288	678,476.762	28,927.355	707,404.117	120,258.700	302,993.847	(0)	-	-	-	-	-	-	-	83,095.042	-		
JDW-I	Bagasse	26.60	13,447.000	77,991.879	5,778.176	83,370.055	14,172.909	443.974	(16,167)	-	-	-	-	-	-	-	85,493.055	-		
JDW-II	Bagasse	26.60	13,447.000	77,991.879	5,778.176	83,370.055	14,172.909	443.974	(16,167)	-	-	-	-	-	-	-	85,493.055	-		
RVK	Bagasse	30.00	12,901.200	77,555.155	5,543.889	83,099.054	14,126.975	1,083.634	375.429	-	-	-	-	-	-	-	82,729.595	-		
Chinnah Power	Bagasse	62.40	21,906.230	124,997.519	10,819.536	135,817.055	23,088.899	1,174.255	(1,774.254)	-	-	-	-	-	-	-	135,817.055	-		
Sub Total	Sub Total	2,532.89	983,127.959	5,199,419.102	899,820.537	6,090,639.639	1,054,272.240	302,565.040	(817.015)	155,925.127	8,122.946	35,092.332	20,029.034	205,989.594	344,325.456	57,077.200	670,568.562	73,157.061	17,225,236.114	
G-Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				8,725.65	3,126,464.135	14,758,028.509	1,481,149.903	16,269,178.492	2,772,432.130	287,286.074	-	-	-	-	-	-	-	-	-	

CERTIFICATE

Subject: MONTHLY FUEL CHARGES ADJUSTMENT OF DISCOS FOR THE MONTH OF FEBRUARY – 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 February 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.


Chief Engineer (Network Operation)
NPCC, NTDCL, Islamabad

CERTIFICATE

FOR FUEL ADJUSTMENT IN THE CONSUMER-END TARIFF

REGARDING 1994 POWER POLICY (HUBCO & KAPCO INCLUSIVE)

FOR THE MONTH OF FEBRUARY ,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.



Manager Computer CPPA-G .

Certificate

For Fuel Adjustment in the Consumer-End Tariff
Regarding 2002 Power Policy for the Month of February-2016

This is to certify that:

- 1 All purchases have been made from the Generation Companies having valid Generation License issued by NEPRA.
- 2 Invoicing of all Electricity purchases 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, CPPA will be responsible for consequences arising out of any misstatement under NEPRA Act, Rules & Regulation made there under or relevant law of the country whichever is applicable.



Amjad Mahboob Butt
Deputy Manager (I.T) CPPA
Wapda House, Lahore.