

CENTRAL POWER PURCHASING AGENCY GUARANTEE LIMITED
(A Company of Government of Pakistan)

Shaheen Plaza | Plot no. 73-West | Fazal-E-Haq Road,
Blue Area, Islamabad
Fax: +92-51-9216949, Ph: +92-051- 9213616
www.cppa.gov.pk

No. CPPA-G/2019/CFO/25204-05

Dated: October 15th, 2019

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

SUBJECT: ENERGY PURCHASE DATA FOR THE MONTH OF SEPTEMBER, 2019.

Please find annexed monthly purchase data for September, 2019 along-with complete detail of all charges incurred and taken into account. It is mentioned that soft copy of the same is being sent to NEPRA.

It is certified that energy during billing month, was procured from all power producers having valid generation license. Certificates provided by quarter concerned are enclosed.

For information & approval
SAT-II
Copy to:
ADG (Tech) - DG (MSE) 17x19
ADG (LC) - MF = chairman, VC
m(T)
m(CA) - m(LC)

Chief Financial Officer

CC:

- Chief Executive Officer, CPPA-G.
Master File

REGISTRAR
Dy. No.: 10799
Date: 17-10-19

Senior Advisor T...
Dy. No.: 827
Date: 18-10-19

ADG (Tech) 1550
Dy. No.: 1550
Date: 22-10-19

CERTIFICATE

FOR FUEL ADJUSTMENT IN THE CONSUMER-END TARIFF

REGARDING 2002 POWER POLICY FOR THE MONTH OF September, 2019

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 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.


DGMR (Technical)
(Renewable)


DGMR-I (CPPA-G)

CERTIFICATE

FOR FUEL ADJUSTMENT IN THE CONSUMER-END TARIFF

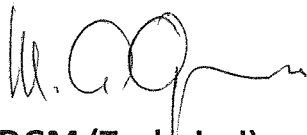
REGARDING 1994 POWER POLICY (HUBCO & KAPCO INCLUSIVE)

FOR THE MONTH OF September, 2019

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 Purchases 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 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-II (CPPA-G)



National Transmission & Despatch Company Ltd.

General Manager (System Operation) NPCC

No. 14808 /GM (SO)/NPCC/DDPC-1/CPPA

Dated: 14 /10/2019

Chief Technical Officer
CPPA-G,
Shaheen Plaza, Blue Area,
Islamabad.

Chief Information Officer
No: 2232
Date: 15-10-19

Attention: DG (I.T), CPPA-G

Subject: CERTIFICATE AS PER AUTHORITY DIRECTIONS FOR THE MONTH OF SEPTEMBER-2019.

Reference: Your office letter # GM/CPPA/IT/3106 dated 08th April 2015

Enclose please find herewith the certificate as required through above referred letter.

D.A/As Above

[Handwritten Signature]
16/10/19

Manager (IT) *[Handwritten Signature]*

[Handwritten Signature]
14/10/19

(Engr. Ghulam Abbas Memon)
Chief Engineer (Network Operation)
NPCC, NTDC, Islamabad.

DM/TS

[Handwritten Signature]
15/10

CTO CPPAG	
D# <u>7566</u>	DI: <u>15/10</u>
DGM(C)	DGM(MO)
DGM(NC)	DGM(R)
DGMF-I	DGMF-II
DGHR&A	DGM <input checked="" type="checkbox"/>

CERTIFICATE

Subject: MONTHLY FUEL CHARGES ADJUSTMENT OF DISCOS FOR THE MONTH OF SEPTEMBER-2019.

- 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 September-2019.
- 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

c/s

(Engr. Ghulam Abbas Memon)
Chief Engineer (Network Operation)
NPCC, NTDC, Islamabad.

Manager Power Control
NPCC, NTDC, Islamabad

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

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.	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.)
1	Hydel																	
I	WAPDA	Hydel	6,902	3,650,634,297						222,630,414	222,630,414					222,630,414	222,630,414	222,630,414
II	Jagran	Hydel	30	8,435,888						16,854,904	16,854,904					16,854,904	16,854,904	16,854,904
III	Pahure	Hydel	18	7,260,000						2,069,100	2,069,100					2,069,100	2,069,100	2,069,100
IV	Mastkand-II SHYDD	Hydel	81	45,409,000						14,381,030	14,381,030					14,381,030	14,381,030	14,381,030
V	Larab	Hydel	84	26,540,940						11,732,670	11,732,670					11,732,670	11,732,670	11,732,670
VI	Star Hydro	Hydel	147	42,975,100						7,520,643	7,520,643					7,520,643	7,520,643	7,520,643
VII	Head Maralla	Hydel	8	3,658,674						1,235,900	1,235,900					1,235,900	1,235,900	1,235,900
VIII	Neelum Jhelum	Hydel	963	342,899,400														
IX	Tarbella Est. 4	Hydel	1,478	924,925,000						140,588,600	140,588,600					140,588,600	140,588,600	140,588,600
	Hydel Total:		8,239	5,052,838,299						417,013,261	417,013,261					417,013,261	417,013,261	417,013,261
	Ex-WAPDA GENCOs																	
	GENCO-I ***																	
	Jamshoro Block 1	RFO	205	(509,000)														
	Unit 1	Gas																
	Jamshoro Block 2	RFO	470															
	Unit-2	Gas																
	Unit-2	RFO		18,150,000	459,645,120	459,645,120	1,678,875	461,323,995	461,323,995	459,645,120	1,678,875	461,323,995	461,323,995	461,323,995	461,323,995	461,323,995	461,323,995	461,323,995
	Unit-3	RFO		16,257,000	400,609,871	400,609,871	1,503,773	402,113,644	402,113,644	400,609,871	1,503,773	402,113,644	402,113,644	402,113,644	402,113,644	402,113,644	402,113,644	402,113,644
	Unit-4	RFO		18,038,000	435,137,889	435,137,889	1,668,515	436,806,404	436,806,404	435,137,889	1,668,515	436,806,404	436,806,404	436,806,404	436,806,404	436,806,404	436,806,404	436,806,404
	Kotri 3-7	Gas	107	(249,000)														
	Jamshoro Block 4	Gas																
	Jamshoro Total		782	51,687,000	1,295,392,880	1,295,392,880	-	1,300,244,043	1,300,244,043	1,295,392,880	4,851,163	1,300,244,043	1,300,244,043	1,300,244,043	1,295,392,880	4,851,163	1,300,244,043	1,300,244,043
	GENCO-II ***																	
	Gasdu CC Block 1 (CC)	Gas	390	165,344,400	1,408,598,777	1,408,598,777	-	1,392,229	1,392,229	1,419,991,006	-	1,419,991,006	1,419,991,006	1,419,991,006	1,408,598,777	11,392,229	1,419,991,006	1,419,991,006
	Central Block 2 (CC)	Gas	530	92,043,811	806,322,193	806,322,193	-	6,341,819	6,341,819	812,664,012	-	812,664,012	812,664,012	812,664,012	806,322,193	6,341,819	812,664,012	812,664,012
	Gasdu (CC) Block-2	Gas	530	27,797,921	243,515,348	243,515,348	-	1,915,277	1,915,277	245,430,625	-	245,430,625	245,430,625	245,430,625	243,515,348	1,915,277	245,430,625	245,430,625
	Block 3 (unit 3&4)	Gas																
	Gasdu 747 (CC)	Gas	721	425,553,000	3,721,755,175	3,721,755,175	-	238,224,074	238,224,074	2,855,876,349	22,386,481	2,880,191	2,880,191	2,880,191	2,750,118,508	238,224,074	2,880,191	2,880,191
	Central Total		1,641	590,897,400	4,136,350,952	4,136,350,952	-	4,136,350,952	4,136,350,952	4,375,967,255	22,366,421	2,002,191	2,002,191	2,002,191	4,158,717,373	241,678,494	4,400,335,868	4,400,335,868
	GENCO-III ***																	
	Northern Block 1	RFO	556	55,642,752	1,144,838,495	1,144,838,495	-	8,290,770	8,290,770	1,153,129,265	13,546,458	-	13,546,458	13,546,458	1,158,384,953	8,290,770	1,166,675,723	1,166,675,723
	Unit 1	RFO		49,280,931	1,029,765,245	1,029,765,245	-	7,357,759	7,357,759	1,037,123,004	8,599,835	-	8,599,835	8,599,835	1,038,365,080	7,357,759	1,045,722,838	1,045,722,838
	Unit 2	RFO		74,514,087	1,500,147,405	1,500,147,405	-	11,102,599	11,102,599	1,511,250,004	17,090,615	-	17,090,615	17,090,615	1,517,238,020	11,102,599	1,528,340,619	1,528,340,619
	Unit 3	RFO		(280,368)	(2,927,463)	(2,927,463)	-	(2,927,463)	(2,927,463)	(2,927,463)	-	-	(2,927,463)	(2,927,463)	(2,927,463)	-	(2,927,463)	(2,927,463)
	Unit 4	RFO		(373,560)	(3,951,929)	(3,951,929)	-	(3,951,929)	(3,951,929)	(3,951,929)	-	-	(3,951,929)	(3,951,929)	(3,951,929)	-	(3,951,929)	(3,951,929)
	Unit 5	RFO		(32,208)	(329,282)	(329,282)	-	(329,282)	(329,282)	(329,282)	-	-	(329,282)	(329,282)	(329,282)	-	(329,282)	(329,282)
	Unit 1	RLNG		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit 2	RLNG		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit 3	RLNG		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit 4	RLNG		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Unit 5	RLNG		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Northern Block 2	RFO	272															
	Block-2 Unit 4	RFO																
	Block-2 Unit 4	GAS		(298,188)	(3,044,261)	(3,044,261)	-	(3,044,261)	(3,044,261)	(3,044,261)	-	-	(3,044,261)	(3,044,261)	(3,044,261)	-	(3,044,261)	(3,044,261)
	Block-2 Unit 4	RLNG		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Northern Block 3	RFO	358	13,650,916	148,117,899	148,117,899	-	148,117,899	148,117,899	148,117,899	2,047,270	2,047,270	2,047,270	2,047,270	148,117,899	2,047,270	150,165,169	150,165,169
	Block-3 Unit 5	RFO																
	Block-3 Unit 5	Gas																
	Block-3 Unit 6	RFO																
	Block-3 Unit 6	Gas		2,217,042	24,692,084	24,692,084	-	24,692,084	24,692,084	24,692,084	348,993	348,993	348,993	348,993	24,692,084	348,993	25,041,077	25,041,077
	Block-3 Unit 6	RLNG																
	Northern Block 4	RLNG	117															
	Northern Block 5	RFO	97															
	Northern Block 5	Gas	75															
	Northern Block 6	Gas	75															
	Nandipur	RLNG	411	285,911,000	2,822,049,526	2,822,049,526	-	173,319,248	173,319,248	2,995,368,774	-	2,995,368,774	2,995,368,774	2,995,368,774	2,822,049,526	173,319,248	2,995,368,774	2,995,368,774
	Northern Total:		1,884	480,332,404	6,659,357,719	6,659,357,719	-	200,070,378	200,070,378	6,859,428,095	39,236,907	2,396,263	2,396,263	2,396,263	6,696,594,628	202,466,639	6,901,061,268	6,901,061,268
	GENCO-IV																	
	LAKHRA	Coal	31															
	Sub-Total:		31															
	GENCOs Total:		4,337	1,122,916,804	12,091,101,551	12,091,101,551	-	12,091,101,551	12,091,101,551	14,445,537,841	12,535,639,392	61,603,328	4,398,454	66,001,781	12,152,704,879	448,936,295	12,601,641,174	12,601,641,174
2	IPPs																	
	Kot Addu Block 1	RFO	326															
	Unit 1	RLNG		7,937,400	93,724,307	93,724,307	-	93,724,307	93,724,307	96,798,066	-	-	96,798,066	96,798,066	93,724,307	3,073,759	96,798,066	96,798,066
	Unit 2	HSD																
	Kot Addu Block 2	RFO	762	157,214,800	2,349,878,795	2,349,878,795	-	148,653,997	148,653,997	2,498,532,792	-	2,498,532,792	2,498,532,792	2,498,532,792	157,214,800	1,841,665,997	2,655,798,792	2,655,798,792
	Unit 1	RLNG		285,581,300	3,537,696,242	3,537,696,242	-	3,537,696										

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

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.	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.)	
1	Attock-Gen	RFO	156	14,477,391	12,6613	183,302,591	-	-	183,302,352	20,999,224	204,301,576	-	-	-	-	183,302,352	20,999,224	204,301,576	
2	Atlas Power	RFO	214	30,542,141	13,9186	425,103,844	-	-	425,103,844	37,875,309	462,979,153	-	-	-	-	425,103,844	37,875,309	462,979,153	
3	Nisat Power	RFO	195	52,866,237	14,2072	751,078,631	-	15,172,157	766,250,788	75,667,186	841,917,974	1,102,842,264	51,397,812	1,154,240,076	-	1,869,093,052	127,064,998	1,996,158,050	
4	Foundation Power	Gas	171	95,026,369	7,0730	672,119,036	25,539,468	48,478,452	746,136,956	55,571,118	801,708,074	-	-	-	-	746,136,956	55,571,118	801,708,074	
5	Orient	RLNG	213	95,661,320	11,6088	1,110,513,129	33,426,306	90,870,324	1,234,809,760	34,342,425	1,269,152,185	-	5,624,130	5,624,130	-	1,234,809,760	39,966,555	1,274,776,315	
6	Nisat Chunan	RFO	196	58,089,126	15,4117	895,252,183	-	21,842,811	917,094,994	82,951,272	1,000,046,266	146,988,272	17,996,509	164,984,781	-	1,064,083,265	100,947,781	1,165,031,047	
7	Saif Power	RLNG	204	105,173,223	11,6099	1,221,050,602	36,753,495	65,220,867	1,323,024,964	64,229,287	1,387,254,251	-	-	-	-	1,323,024,964	64,229,287	1,387,254,251	
8	Engro Energy	HSD	213	98,139,508	7,9345	778,685,273	-	23,013,580	801,698,853	51,238,637	852,937,490	190,174,540	6,982,904	197,157,444	-	991,873,393	58,221,541	1,050,094,934	
9	Sapphire Power	RLNG	203	35,834,510	13,2567	475,047,967	-	-	475,047,967	23,347,348	498,395,315	-	-	-	-	475,047,967	23,347,348	498,395,315	
10	Hubco Narawal	RFO	214	71,981,050	13,4099	965,258,682	-	-	965,258,682	81,424,964	1,046,683,646	48,796,932	9,108,924	57,905,855	-	1,014,055,614	90,533,888	1,104,589,502	
11	Liberty Power	RFO	196	83,555,719	13,8385	1,156,285,817	-	-	1,156,285,817	114,270,801	1,270,556,619	-	-	-	-	1,156,285,817	114,270,801	1,270,556,619	
12	Nalmore	RLNG	199	93,359,398	11,6095	1,083,972,026	30,351,217	76,647,285	1,190,970,528	57,282,126	1,248,252,654	-	-	-	-	1,190,970,528	57,282,126	1,248,252,654	
13	Uch-II	Gas	381	228,764,000	6,4074	1,465,792,092	48,957,456	15,856,002	1,530,605,550	78,341,659	1,608,947,209	-	-	-	-	1,608,947,209	78,341,659	1,687,288,868	
14	JOW-II	Bagasse	26	15,108,400	6,2089	93,806,545	-	-	93,806,545	11,246,693	105,053,238	-	-	-	-	93,806,545	11,246,693	105,053,238	
15	JOW-III	Bagasse	26	15,108,400	6,2089	93,806,545	-	-	93,806,545	11,246,693	105,053,238	-	-	-	-	93,806,545	11,246,693	105,053,238	
16	China Hub Power (Pvt) Ltd	Coal	1,220	636,247,800	5,0830	3,234,047,567	-	-	3,234,047,567	299,481,839	3,533,529,407	-	-	-	-	3,234,047,567	299,481,839	3,533,529,407	
17	Engro PowerGen Thar TPS	Coal	660	345,016,100	5,0830	1,753,716,836	-	-	1,753,716,836	162,399,078	1,916,115,915	-	-	-	-	1,753,716,836	162,399,078	1,916,115,915	
18	Layyah Sugar Mills	Bagasse	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19	GATPL	RLNG	1,180	657,901,525	9,8131	6,456,022,011.41	77,472,264	597,786,581	7,131,280,856	208,488,994	7,339,769,850	333,415,200	-	333,415,200	-	7,464,696,056	208,488,994	7,673,185,050	
20	Haveli Bahadur Shah	HSD	1,230	464,118,700	9,8067	4,551,457,934	54,602,410	367,562,259	4,973,622,603	146,011,743	5,119,634,346	2,261,060,402	-	2,261,060,402	-	7,234,883,005	146,011,743	7,380,894,748	
21	Coal Fire Power Plant	Coal	1,320	411,881,376	7,0650	2,909,932,786	-	-	2,909,932,786	74,956,102	2,984,888,888	-	-	-	-	2,909,932,786	74,956,102	2,984,888,888	
22	Gulf Power Gen	RFO	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	Rosharan	RFO	97	-	-	-	-	-	-	-	-	2,975,273	36,087	3,011,360	-	2,975,273	36,087	3,011,360	
24	Baloki	RLNG	1,320	710,929,403	9,8126	6,876,040,846	83,711,327	492,093,167	7,551,845,340	223,445,111	7,775,290,451	2,140,098,233	-	2,140,098,233	-	9,691,943,573	223,445,111	9,915,388,684	
25	Port Qasim	Coal	1,320	839,294,100	4,8923	4,106,078,525	-	-	4,106,078,525	415,534,509	4,521,613,034	6,226,351,116	91,146,366	6,317,497,481	-	4,106,078,525	415,534,509	4,521,613,034	
Sub-Total				11,536	5,143,977,724	41,264,564,925	390,813,943	1,814,543,485	43,469,922,114	2,319,105,426	45,789,027,540	6,226,351,116	91,146,366	6,317,497,481	-	48,165,667,680	2,410,251,797	50,575,919,477	
IPP's Total				18,104	7,242,122,878	55,866,725,489	390,813,943	1,814,543,485	58,072,082,678	3,048,416,530	61,120,499,208	6,226,351,116	91,146,366	6,317,497,481	-	63,441,071,558	3,139,562,895	66,580,634,453	
Others																			
1	TPS-Quetta	Gas	25	(18,000)	-	-	-	-	-	(154,800)	(154,800)	-	-	-	-	-	(154,800)	(154,800)	
2	Zorlu	Wind	56	7,052,620	-	-	-	-	-	68,410	68,410	-	-	-	-	68,410	68,410	68,410	
3	FFCEL	Wind	50	4,820,460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	TFP	Wind	50	5,917,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Foundation	Wind	99	15,078,470	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	Sapphire Wind Power	Wind	50	4,264,144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7	Younus Energy Ltd.	Wind	50	4,384,230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8	Metro Wind Power	Wind	50	6,482,170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9	Gul Ahmad Wind Power	Wind	50	4,439,580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	Master Wind Power	Wind	50	4,481,762	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	Tenaga Generasi	Wind	50	7,475,940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	Tapal Wind	Wind	31	3,907,780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	HDPPL Wind	Wind	50	7,385,960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	SEEL Wind	Wind	50	5,871,802	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	UEPL Wind	Wind	99	9,479,620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	Quide-Azam Solar Park	Solar	52	14,347,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17	Appollo Solar Park	Solar	100	14,267,530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18	Best Green Energy	Solar	100	14,196,650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19	Great Energy	Solar	100	14,396,950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	Harappi	Solar	18	2,833,970	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21	Aj Solar	Solar	18	1,564,580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	AEP Wind	Wind	50	7,724,060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	Jhangir Wind	Wind	50	5,747,220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	HAWA Wind	Wind	50	5,569,740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	TGT	Wind	50	4,913,730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26	TGS	Wind	50	4,788,616	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	Tricon Boston-A	Wind	50	7,289,602	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	Tricon Boston-B	Wind	50	6,748,136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29	Tricon Boston-C	Wind	50	6,561,744	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	ZEPHYR Wind	Wind	50	9,501,009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31	SPPs	Mixed	257	10,005,960	67,859,616	67,859,616	-	-	67,859,616	-	67,859,616	-	-	-	67,859,616	-	67,859,616		
Sub-Total				1,847	221,281,044	67,859,616	-	-	67,859,616	(86,390)	67,773,226	-	-	-	-	67,859,616	(86,390)	67,773,226	
G-Total				32,528	13,621,348,825	68,025,686,656	390,813,943	1,814,543,485	70,231,043,845	3,909,881,243	74,140,925,088	6,287,954,443	95,544,819	6,383,499,262	673,243,314	75,661,636,053	4,005,426,062	79,667,062,115	
Summary																			
1	Hydel			5,052,838,299	-	-	-	-	417,013,261	-	417,013,261	-	-	-	-	417,013,261	-	417,013,261	
2	Coal			2,232,439,376	-	-	-	-	12,003,775,715	-	12,003,775,715	-	-	-	-	12,003,775,715	-	12,003,775,715	
3	HSD			-	-	-	-	-	-	952,371,529	12,956,147,244	-	-	-	-	952,371,529	12,956,147,244	13,908,518,773	
4	F.O.			817,238,334	-	-	-	-	13,497,609,007	668,264,269	14,202,888,005	1,340,839,648	78,539,332	1,419,378,979	-	14,875,463,385	746,805,601	15,622,268,984	
5	Gas			1,614,707,113	-	-	74,496,924	87,348,034	11,349,135,615	714,555,687	12,063,691,302	212,540,960	11,381,358	223,922,316	673,243,314	10,704,314,339	725,937,045	11,430,251,384	
6	RLNG			2,868,463,859	-	-	316,317,019	1,690,180,483	31,896,121,833	1,146,361,393	33,042,483,226	4,734,573,836	5,624,130	4,740,197,965	36,630,695,669	1,151,985,523	37,782,681,192		
7	Nuclear			749,281,000	-	-	-	-	707,485,071	-	707,485,071	-	-	-	-	707,485,071	-	707,485,071	
8	Import from Iran			49,973,400	-	-	-	-	578,235,715	-	578,235,715	-	-	-	-	578,235,715	-	578,235,715	
9	Wind Power			149,685,904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	Solar			61,607,000	-	-	-	-	-	68,410	68,410	-	-	-	-				

Detail Of Energy Imported From Small Power Producers					
DISCO	SPPs	Contract Capacity	Description	Sep, 19	Rate (Rs./KWh)
MEPCO	Kumhar Wala Power House-I	5.00	Energy	1,124,440	
			Cost (Rs.)	-	
	DISCO's Total:-	34.00	Energy	1,124,440	0.00
			Cost (Rs.)	-	
HESCO	Thatta Power (Pvt.) Ltd.,	18.80	Energy	1,478,000	6.80
			Cost (Rs.)	10,050,400	
	Anoud Textile NCPP	10.00	Energy	(43,040)	6.80
			Cost (Rs.)	(292,672)	
	Agar Textile Mills	2.00	Energy	6,912,000	7.80
			Cost (Rs.)	53,913,600	
Hi-Tech	8.00	Energy	536,960	7.80	
		Cost (Rs.)	4,188,288		
DISCO's Total:-	105.00	Energy	8,883,920	0.00	
		Cost (Rs.)	67,859,616		
SEPCO	Lodra Power (Shikarpur)	16.00	Energy	(2,400)	
			Cost (Rs.)	-	
	DISCO's Total:-	16.00	Energy	(2,400)	0.00
		Cost (Rs.)	-		
G-Total		198.60	Energy	10,005,960	6.78
			Cost (Rs.)	67,859,616	

Detail Of Energy Supplemental Charges

Power Producer	Supp. Charges								
	Start-up	PLAC	Open Cycle	Bonus	Fuel Diff.	ED	Others	Total Supplemental	
IPPs 1994									
1	Kot Addu Block 1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
	Kot Addu Block 2	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
	Kot Addu Block 3	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
	<i>KAPCO Total</i>	-	-	-	-	-	-	-	-
2	Hub Power	-	-	-	-	-	-	-	-
3	Kohinoor Energy	-	-	-	-	-	-	-	-
4	AES Lalpir	-	-	-	-	-	-	-	-
5	Pak Gen Power Limited	-	-	-	-	-	-	-	-
6	Habibullah	-	-	-	-	-	-	-	-
7	Fauji Kabirwala	-	-	-	-	-	5,398,572	5,398,572	-
8	Rousch	-	-	-	-	-	-	-	-
9	Saba Power	-	-	-	-	-	-	-	-
10	Uch	-	-	-	-	-	573,325,900	573,325,900	-
11	Altern	-	-	-	-	-	-	-	-
12	Liberty	-	-	-	-	-	94,518,842	94,518,842	-
13	Davis Energen	-	-	-	-	-	-	-	-
14	Chashma Nuclear	-	-	-	-	-	-	-	-
15	Chashma Nuclear-II	-	-	-	-	-	-	-	-
16	Chashma Nuclear-III	-	-	-	-	-	-	-	-
17	Chashma Nuclear-IV	-	-	-	-	-	-	-	-
18	Tavanir Iran	-	-	-	-	-	-	-	-
	Sub-Total:	-	-	-	-	-	673,243,314	673,243,314	-
1	Attock-Gen	-	-	-	-	-	-	-	-
2	Atlas Power	-	-	-	-	-	-	-	-
3	Nishat Power	-	-	-	-	-	-	-	-
4	Foundation Power	-	-	-	-	-	-	-	-
5	Orient	-	-	-	-	-	-	-	-
6	Nishat Chunian	-	-	-	-	-	-	-	-
7	Saif Power	-	-	-	-	-	-	-	-
8	Engro Energy	-	-	-	-	-	-	-	-
9	Saphire Power	-	-	-	-	-	-	-	-
10	Hubco Narowal	-	-	-	-	-	-	-	-
11	Liberty Power	-	-	-	-	-	-	-	-
12	Halmore	-	-	-	-	-	-	-	-
13	Uch-II	-	-	-	-	-	-	-	-
14	JDW-II	-	-	-	-	-	-	-	-
15	JDW-III	-	-	-	-	-	-	-	-
16	RYK	-	-	-	-	-	-	-	-
17	Chiniot Power	-	-	-	-	-	-	-	-
18	Fatima Energy	-	-	-	-	-	-	-	-
19	Hamza Sugar Mills	-	-	-	-	-	-	-	-
20	Layyah Sugar Mills	-	-	-	-	-	-	-	-
21	QATPL	-	-	-	-	-	-	-	-
22	Haveli Bahadur Shah	-	-	-	-	-	-	-	-
23	Coal Fire Power Plant	-	-	-	-	-	-	-	-
24	Gulf Power Gen	-	-	-	-	-	-	-	-
25	Reshman	-	-	-	-	-	-	-	-
26	Baloki	-	-	-	-	-	-	-	-
27	Port Qasim	-	-	-	-	-	-	-	-
	Sub-Total:	-	-	-	-	-	-	-	-
	G-Total:	-	-	-	-	-	673,243,314	673,243,314	-

Detail Breakup of Previous Adjustments

Power Producer	Fuel	Dep. Capacity (MW)	Previous Adjustment Detail				Total Fuel Cost Rs.
			Fuel Charges Rs.	Load Correction Factor (kL) Rs.	Heat Degradation Factor (Dh) Rs.	Any Other Cost	
ii. GENCO-II							
Guddu 747 (CC)	Gas	721	22,366,421				22,366,421
Central Total		1,641	22,366,421	-	-	-	22,366,421
iii. GENCO-III							
Northern Block 1							
Unit 1	RFO	556	13,546,458				13,546,458
Unit 2	RFO		8,599,835				8,599,835
Unit 3	RFO		17,090,615				17,090,615
Northern Total:		1,884	39,236,907	-	-	-	39,236,907
GENCOs Total:-		4,337	61,603,328	-	-	-	61,603,328
3 Nishat Power	RFO	195	1,088,989,248	13,853,017			1,102,842,264
6 Nishat Chunian	RFO	196	133,149,657	13,838,615	-	-	146,988,272
8 Engro Energy	Gas	213	190,174,540				190,174,540
10 Hubco Narowal			48,796,932				48,796,932
21 QATPL	RLNG	1,180	78,703,720	214,131,765	40,579,715		333,415,200
22 Haveli Bahadur Shah	RLNG	1,230	1,702,714,026	447,268,968	111,077,408		2,261,060,402
	16-07-19 to 31-07-19		444,093,157	374,032,174	5,329,118		823,454,449
	01-07-19 to 15-07-19		438,549,243	23,616,164	21,804,133		483,969,540
	16-06-19 to 30-06-19		474,489,207	30,507,416	42,327,390		547,324,013
	01-06-19 to 15-06-19		345,582,420	19,113,214	41,616,767		406,312,401
25 Reshman	RFO	97	2,975,273				2,975,273
26 Baloki	RLNG	1,320	1,645,536,937	493,579,322	981,975		2,140,098,233
	01-06-19 to 15-06-19		344,483,101	17,781,537	-		362,264,638
	16-06-19 to 30-06-19		463,109,371	32,090,965	-		495,200,335
	01-07-19 to 15-07-19		422,387,997	30,135,844	-		452,523,842
	16-07-19 to 31-07-19		415,556,468	413,570,975	981,975		830,109,417
	Sub-Total	8,989	4,891,040,332	1,182,671,686	152,639,097	-	6,226,351,116
G-Total:		13,326	4,952,643,659	1,182,671,686	152,639,097	-	6,287,954,443



NATIONAL TRANSMISSION AND DESPATCH CO. LTD

Chief Financial Officer NTDC
2nd Floor, Shaheen Complex,
Egerton Road, Lahore.

Dated: 16.10.2019

No. MD/CFO/DG(B&R)/611-13

✓ Registrar, NEPRA,

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

SUBJECT: - SUBMISSION OF METERING DATA CONTAINING GENERATION & DISTRIBUTION POINTS OF NTDC TRANSMISSION SYSTEM (500 & 220 kV) FOR THE MONTH OF SEPTEMBER 2019.

Kindly find enclosed Metering Data pertaining to Generation & Distribution Points of NTDC Transmission System (500 & 220 kV) for the month of September 2019.


D.G Finance (B&R) NTDC

CC to:-

- GM Technical NTDC WAPDA House Lahore.
- M/File



Metering Information System
Billing & Recovery Section, NTDC
T&T Losses (500kV & 220kV System)
September-2019

Description	Generation Points (kWh)	Distribution Points (kWh)	Total Energy (kWh)
Energy Received by NTDC at CDPs	13,659,369,005	49,058,191	13,708,427,196
Energy Delivered by NTDC at CDPs	2,521,262,352	10,819,737,666	13,341,000,018
T&T Losses			367,427,178
T&T Losses (% age)			2.68%



Metering Information System
Billing & Recovery Section, NTDC
Generation Points (500 & 220kV Stations)
Sep-19

Sr No	Grid Station	Metering Point Description (Line/TF)	From	To	Energy kWh	
					Received	Delivered
1	Atlas Power TPS	220 kV L2	IPP	NTDC	0	131,523,518
2	Atlas Power TPS	220 kV L1	IPP	NTDC	162,065,659	0
3	CCPP Balloki	T1	IPP	NTDC	241,217,600	0
4	CCPP Balloki	T2	IPP	NTDC	237,641,400	0
5	CCPP Balloki	T3	IPP	NTDC	232,070,900	3,900
6	CCPP Bhikki	T1	IPP	NTDC	227,039,300	0
7	CCPP Bhikki	T2	IPP	NTDC	213,635,300	0
8	CCPP Bhikki	T3	IPP	NTDC	217,228,500	0
9	CCPP Havali Bahadur Shah	HAVELI BAHADUR SHAH GT-2	IPP	NTDC	152,899,200	146,400
10	CCPP Havali Bahadur Shah	HAVELI BAHADUR SHAH ST	IPP	NTDC	158,822,200	236,900
11	CCPP Havali Bahadur Shah	HAVELI BAHADUR SHAH GT-1	IPP	NTDC	152,397,300	378,700
12	Chashnup Mianwali TPS	T1 (C1)	IPP - 94	NTDC	215,974,000	0
13	Chashnup Mianwali TPS	T1 (C2)	IPP - 94	NTDC	221,547,000	0
14	Chashnup Mianwali TPS	T1 (C3)	IPP - 94	NTDC	90,251,000	3,347,000
15	Chashnup Mianwali TPS	T1 (C4)	IPP - 94	NTDC	221,509,000	0
16	China HUB Power Gen	M-1, HV Side of T1	IPP	NTDC	358,431,300	0
17	China HUB Power Gen	M-2, HV Side of T1	IPP	NTDC	277,816,500	0
18	China HUB Power Gen	M3 - S/S T/F	IPP	NTDC	0	1,006,400
19	Engro PowerGen Qadirpur TPS	220 kV ENGRO POWER - ST	IPP	NTDC	32,973,066	0
20	Engro PowerGen Qadirpur TPS	220 kV ENGRO POWER - GT	IPP	NTDC	65,578,743	0
21	Engro PowerGen Thar TPS	M2 - Generator 2	IPP	NTDC	139,846,300	0
22	Engro PowerGen Thar TPS	M3 - SST T/F	IPP	NTDC	0	1,348,700
23	Engro PowerGen Thar TPS	M1 - Generator 1	IPP	NTDC	205,169,800	0
24	Foundation Power co TPS	220 kV Line 2	IPP	NTDC	22,333,369	7,034
25	Foundation Power co TPS	220 kV Line 1	IPP	NTDC	72,700,036	0
26	Ghazi Barotha HPS	500 kV Rawat-2 Line	WAPDA	NTDC	385,577,000	0
27	Ghazi Barotha HPS	550 kV Tarbela-1 Line	WAPDA	NTDC	0	531,522,000
28	Ghazi Barotha HPS	500 kV Rawat-1 Line	WAPDA	NTDC	381,543,000	0
29	Ghazi Barotha HPS	500 kV Gatti-2 Line	WAPDA	NTDC	423,572,000	0
30	Ghazi Barotha HPS	220kV Nowshehra I	WAPDA	NTDC	86,284,000	0
31	Ghazi Barotha HPS	500 kV Tarbela-2 Line	WAPDA	NTDC	0	503,498,000
32	Ghazi Barotha HPS	220kV Nowshehra II	WAPDA	NTDC	86,249,000	0
33	Ghazi Barotha HPS	500 kV Gatti-1 Line	WAPDA	NTDC	421,218,000	0
34	Guddu TPS	220/500 kV T1	GENCO	NTDC	60,116,000	2,286,000
35	Guddu TPS	220/500 kV T2	GENCO	NTDC	60,423,000	2,285,000
36	Guddu TPS	220 kV Shikarpur II Line	GENCO	NTDC	793,000	17,932,000
37	Guddu TPS	220/500 kV T3	GENCO	NTDC	57,763,000	2,157,000
38	Guddu TPS	220 kV Shikarpur I Line	GENCO	NTDC	742,000	16,145,000
39	Guddu TPS	220 kV Sibbi Line	GENCO	NTDC	141,000	28,272,000
40	Guddu TPS (747 MW)	500 kV T2	GENCO	NTDC	154,438,000	0
41	Guddu TPS (747 MW)	500 kV T1	GENCO	NTDC	125,972,000	623,000
42	Guddu TPS (747 MW)	500 kV T3	GENCO	NTDC	145,766,000	0
43	HUBCO Karachi	500 kV Jamshoro Line	IPP - 94	NTDC	0	442,391,000
44	HUBCO Karachi	500 kV NKI Line	IPP - 94	NTDC	440,604,000	0
45	Jamshoro TPS	Starting T/F (220/66 kV) T-4 for TPS JAMSHORO	GENCO	NTDC	1,000	1,018,000
46	Jamshoro TPS	Starting T/F (220/66 kV) T-5 for TPS JAMSHORO	GENCO	NTDC	0	0
47	Jamshoro TPS	220 kV Circuit 1 to 500 kV G/S	GENCO	NTDC	0	0
48	Jamshoro TPS	220 kV Circuit 2 to 500 kV G/S	GENCO	NTDC	18,659,000	0



Metering Information System
Billing & Recovery Section, NTDC
Generation Points (500 & 220kV Stations)
Sep-19

Sr No	Grid Station	Metering Point Description (Line/TF)	From	To	Energy kWh	
					Received	Delivered
49	Jamshoro TPS	220 kV Circuit 3 to 500 kV G/S	GENCO	NTDC	16,927,000	0
50	Jamshoro TPS	220 kV Circuit 4 to 500 kV G/S	GENCO	NTDC	18,679,000	0
51	KAPCO TPS	220 kV T/L KAPCO - Pak Gen	IPP - 94	NTDC	2,508,600	900
52	KAPCO TPS	220 kV T/L KAPCO - New Multan - 1	IPP - 94	NTDC	29,879,800	4,628,300
53	KAPCO TPS	220 kV T/L KAPCO - New Multan - 5	IPP - 94	NTDC	70,227,200	0
54	KAPCO TPS	220 kV T/L KAPCO - New Multan - 6	IPP - 94	NTDC	77,186,900	71,700
55	KAPCO TPS	220 kV T/L KAPCO - New Multan - 3	IPP - 94	NTDC	42,736,500	35,400
56	KAPCO TPS	220 kV T/L KAPCO - New Multan - 4	IPP - 94	NTDC	39,773,700	35,200
57	Khawar HPS Projects	220kV Allai Mansehra Line II	WAPDA	NTDC	37,940,000	0
58	Khawar HPS Projects	220kV Allai Mansehra Line I	WAPDA	NTDC	37,746,000	0
59	Lalpir Power TPS	220 kV Muzaffar Garh L2	IPP - 94	NTDC	21,938,300	348,800
60	Lalpir Power TPS	220 kV Muzaffar Garh L1	IPP - 94	NTDC	21,973,800	328,200
61	Mangla HPS	220 kV Mangla - Kala Shah Kakoo - III	WAPDA	NTDC	0	0
62	Mangla HPS	220 kV Mangla - New Rawat - I	WAPDA	NTDC	92,000	110,234,000
63	Mangla HPS	220 kV Mangla - Kala Shah Kakoo - I	WAPDA	NTDC	45,431,000	0
64	Mangla HPS	220 kV Mangla - Ghakhar - I	WAPDA	NTDC	67,516,000	0
65	Mangla HPS	220 kV Mangla - Ghakhar - II	WAPDA	NTDC	94,403,000	0
66	Mangla HPS	220 kV Mangla - Kala Shah Kakoo - II	WAPDA	NTDC	48,650,000	0
67	Mangla HPS	220 kV Mangla - New Ghakhar (Nokhar)	WAPDA	NTDC	95,884,000	0
68	Mangla HPS	220 kV Mangla - New Rawat - II	WAPDA	NTDC	92,000	108,825,000
69	Muzaffar Garh TPS	220 kV NEW MULTAN-4	GENCO	NTDC	58,392,000	14,000
70	Muzaffar Garh TPS	220 kV LALPIR-2	GENCO	NTDC	355,000	22,042,000
71	Muzaffar Garh TPS	220 kV KAPCO-2	GENCO	NTDC	4,973,000	27,776,000
72	Muzaffar Garh TPS	220 kV LALPIR-1	GENCO	NTDC	331,000	21,878,000
73	Muzaffar Garh TPS	220 kV BAHAWALPUR-1	GENCO	NTDC	144,021,000	11,000
74	Muzaffar Garh TPS	220 kV NEW MULTAN-1	GENCO	NTDC	58,117,000	14,000
75	Muzaffar Garh TPS	220 kV NEW MULTAN-3	GENCO	NTDC	74,433,000	18,000
76	Muzaffar Garh TPS	220 kV NEW MULTAN-2	GENCO	NTDC	194,915,000	0
77	Muzaffar Garh TPS	500kV Grid Auxiliary (6.6 kV)	GENCO	NTDC	118,404	0
78	Muzaffar Garh TPS	220 kV BAHAWALPUR-2	GENCO	NTDC	148,067,000	0
79	Muzaffar Garh TPS	220 kV MUZAFFARGARH ATB-2	GENCO	NTDC	0	227,505,000
80	Muzaffar Garh TPS	500kV Grid Auxiliary (132 kV)	GENCO	NTDC	0	0
81	Muzaffar Garh TPS	220 kV MUZAFFAR GARH	GENCO	NTDC	0	205,987,000
82	Muzaffar Garh TPS	220 kV PAKGEN-1	GENCO	NTDC	3,000	927,000
83	Neelum Jhelum HPP	Unit-1	WAPDA	NTDC	100,235,900	0
84	Neelum Jhelum HPP	Unit-2	WAPDA	NTDC	6,100,500	209,800
85	Neelum Jhelum HPP	Unit-3	WAPDA	NTDC	122,455,500	0
86	Neelum Jhelum HPP	Unit-4	WAPDA	NTDC	114,428,500	111,200
87	Pak Gen TPS	220 kV Line 2	IPP - 94	NTDC	900	1,164,400
88	Pak Gen TPS	220 kV Line 1	IPP - 94	NTDC	933,800	2,500
89	Port Qasim Coal Power House	G-2	IPP	NTDC	419,582,800	0
90	Port Qasim Coal Power House	SS T/F	IPP	NTDC	0	0
91	Port Qasim Coal Power House	G-1	IPP	NTDC	419,711,300	0
92	Rousch TPS	500 kV Multan Line	IPP - 94	NTDC	43,902,000	35,248,000
93	Rousch TPS	500 kV Gatti Line	IPP - 94	NTDC	71,316,000	23,176,000
94	Sahiwal Coal (1320 MW)	500 KV TL-1	IPP	NTDC	402,782,800	1,200
95	Sahiwal Coal (1320 MW)	500 KV TL-2	IPP	NTDC	53,642,000	44,542,200



Metering Information System
Billing & Recovery Section, NTDC
Generation Points (500 & 220kV Stations)
Sep-19

Sr No	Grid Station	Metering Point Description (Line/TF)	From	To	Energy kWh	
					Received	Delivered
96	Tarbela HPS	500 kV Peshawar Line	WAPDA	NTDC	490,303,000	0
97	Tarbela HPS	500 kV Rawat Line	WAPDA	NTDC	731,960,000	0
98	Tarbela HPS	500 kV Barotha 1 Line	WAPDA	NTDC	532,398,000	0
99	Tarbela HPS	500 kV Barotha 2 Line	WAPDA	NTDC	499,816,000	0
100	Tarbela HPS	220 kV Burhan 3 Line	WAPDA	NTDC	125,772,000	0
101	Tarbela HPS	220 kV ISPR (Sangjani) Line	WAPDA	NTDC	113,259,000	0
102	Tarbela HPS	220 kV Burhan 1 Line	WAPDA	NTDC	178,419,000	0
103	Tarbela HPS	220 kV Mardan 2 Line	WAPDA	NTDC	115,446,000	0
104	Tarbela HPS	220 kV Burhan 2 Line	WAPDA	NTDC	181,283,000	0
105	Tarbela HPS	220 kV Mardan 1 Line	WAPDA	NTDC	113,531,000	0
106	Uch TPS 1	220 kV M1	IPP - 94	NTDC	162,590,000	0
107	Uch TPS 1	220 kV M2	IPP - 94	NTDC	208,417,000	0
108	Uch TPS 2	220 kV GT 2	IPP	NTDC	70,260,588	0
109	Uch TPS 2	220 kV GT 1	IPP	NTDC	76,024,488	0
110	Uch TPS 2	220 kV GT 3	IPP	NTDC	82479252	0
Total					13,659,369,005	2,521,262,352



Metering Information System
Billing & Recovery Section, NTDC
Distribution Points (500 & 220kV Stations)
Sep-19

Sr No	Grid Station	Metering Point Description (Line/TF)	From	To	Energy kWh	
					Received	Delivered
1	Bahawalpur G/S	11 kV Auxillary Supply	NTDC	MEPCO	47,690	0
2	Bahawalpur G/S	220/132 kV T1	NTDC	MEPCO	0	76,269,000
3	Bahawalpur G/S	220/132 kV T2	NTDC	MEPCO	36,000	106,502,000
4	Bahawalpur G/S	220/132 kV T3	NTDC	MEPCO	15,000	106,230,000
5	Bahria Town Rawalpindi G/S	220 kV Bahria	NTDC	IESCO	0	11,150,000
6	Bandala G/S	AUX 132/11kV T-4	NTDC	FESCO	29,000	0
7	Bandala G/S	220/132 kV T1	NTDC	FESCO	0	99,060,000
8	Bandala G/S	220/132 kV T2	NTDC	FESCO	0	49,562,000
9	Bannu G/S	220/132 kV T/F T1	NTDC	PESCO	0	44,689,000
10	Bannu G/S	220/132 kV T/F T2	NTDC	PESCO	0	44,931,000
11	Bannu G/S	220/132 kV T/F T5	NTDC	PESCO	0	29,435,000
12	Bannu G/S	MISC AUX Bannu G/S	NTDC	PESCO	25,480	0
13	Bund Road G/S NTDC	220/132 kV T1	NTDC	LESCO	0	76,936,000
14	Bund Road G/S NTDC	220/132 kV T2	NTDC	LESCO	0	76,662,666
15	Bund Road G/S NTDC	220/132 kV T3	NTDC	LESCO	0	76,988,000
16	Bund Road G/S NTDC	220/132 kV T4	NTDC	LESCO	0	76,064,000
17	Bund Road G/S NTDC	MISC AUX Bund Road G/S NTDC	NTDC	LESCO	19,570	0
18	Burhan	220/132 kV T2	NTDC	IESCO	0	96,357,000
19	Burhan	MISC AUX Burhan	NTDC	IESCO	93,889	0
20	Burhan	220/132 kV T3	NTDC	IESCO	0	96,293,000
21	Burhan	220/132 kV T4	NTDC	IESCO	0	94,515,000
22	Burhan	220/132 kV T1	NTDC	IESCO	0	95,882,000
23	Chakdara G/S	T-1	NTDC	PESCO	0	50,772,000
24	Chakdara G/S	T-2	NTDC	PESCO	0	49,953,000
25	Chakdara G/S	Grid Auxillary	NTDC	PESCO	22,406	0
26	Chiniot Road G/S	11 kV GHATTI G/S Feeder	NTDC	FESCO	92,000	0
27	Chishtian G/S	MISC AUX Chishtian G/S	NTDC	MEPCO	31,204	0
28	Chishtian G/S	M1	NTDC	MEPCO	0	73,062,000
29	Chishtian G/S	M2	NTDC	MEPCO	0	73,144,000
30	Dadu G/S	220/132 kV T3	NTDC	SEPCO	0	46,722,000
31	Dadu G/S	220/132 kV T5	NTDC	SEPCO	0	69,061,000
32	Dadu G/S	220/132 kV T1	NTDC	SEPCO	0	58,756,000
33	Dahrki G/S Temporary	Auto T/F T1	NTDC	MEPCO	1,000	31,501,000
34	Dahrki G/S Temporary	Auto T/F T2	NTDC	MEPCO	0	20,554,000
35	Daud Kheil G/S	MISC AUX Daud Kheil G/S	NTDC	FESCO	16,800	0
36	Daud Kheil G/S	220/132 kV T1	NTDC	FESCO	0	66,539,000
37	Daud Kheil G/S	220/132 kV T2	NTDC	FESCO	0	66,945,000
38	Dera Ismail Khan G/S	Grid Aux	NTDC	PESCO	64,147	0
39	Dera Ismail Khan G/S	T1	NTDC	PESCO	8,000	35,939,000
40	Dera Ismail Khan G/S	T2	NTDC	PESCO	8,000	37,649,000
41	Dera Murad Jamali G/S	T2	NTDC	QESCO	0	0
42	Dera Murad Jamali G/S	Grid Auxillary	NTDC	QESCO	28,790	0
43	Dera Murad Jamali G/S	T1	NTDC	QESCO	0	31,247,000
44	DG Khan G/S	T3	NTDC	MEPCO	0	58,593,000
45	DG Khan G/S	T4	NTDC	MEPCO	0	58,455,000
46	DG Khan G/S	T5 - Auxillary	NTDC	MEPCO	60,000	0
47	Ghakkhar G/S	220/132 kV - T1	NTDC	GEPCO	0	48,439,000
48	Ghakkhar G/S	220/132 kV - T2	NTDC	GEPCO	0	0
49	Ghakkhar G/S	220/132 kV - T3	NTDC	GEPCO	0	55,821,000
50	Ghakkhar G/S	220/132 kV - T4	NTDC	GEPCO	0	36,843,000



Metering Information System
Billing & Recovery Section, NTDC
Distribution Points (500 & 220kV Stations)
Sep-19

Sr No	Grid Station	Metering Point Description (Line/TF)	From	To	Energy kWh	
					Received	Delivered
51	Ghakkhar G/S	MISC AUX Ghakkhar G/S	NTDC	GEPCO	46,499	0
52	Ghazi G/S	250 MVA T-2 (GIS)	NTDC	LESCO	0	79,725,000
53	Ghazi G/S	MISC AUX Ghazi G/S	NTDC	LESCO	81,710	0
54	Ghazi G/S	250 MVA T-3 (GIS)	NTDC	LESCO	0	79,813,000
55	Gujrat	220/132 kV ATR-1	NTDC	GEPCO	0	52,126,000
56	Gujrat	220/132 kV ATR-2	NTDC	GEPCO	0	65,151,000
57	Gujrat	220/132 kV ATR-3	NTDC	GEPCO	0	66,478,000
58	Gujrat	Aux T-4	NTDC	GEPCO	127,017	0
59	Hala Road G/S	220/132 kV T1	NTDC	HESCO	0	52,884,000
60	Hala Road G/S	220/132 kV T2	NTDC	HESCO	0	54,879,000
61	Hala Road G/S	MISC AUX Hala Road G/S	NTDC	HESCO	26,758	0
62	Hala Road G/S	220/132 kV T3	NTDC	HESCO	0	57,776,000
63	Islamabad University G/S	220/132 kV T2	NTDC	IESCO	0	101,906,000
64	Islamabad University G/S	MISC AUX Islamabad University G/S	NTDC	IESCO	32,493	0
65	Islamabad University G/S	220/132 kV T1	NTDC	IESCO	0	109,739,000
66	ISPR G/S	220/132 kV T1	NTDC	IESCO	0	64,039,000
67	ISPR G/S	220/132 kV T2	NTDC	IESCO	0	64,198,000
68	ISPR G/S	220/132 kV T3	NTDC	IESCO	0	70,391,000
69	ISPR G/S	220/132 kV T4	NTDC	IESCO	0	70,886,000
70	ISPR G/S	MISC AUX ISPR G/S	NTDC	IESCO	41,100	0
71	Jamshoro G/S	220/132KV 160 MVA T/F T-3	NTDC	HESCO	18,000	52,042,000
72	Jamshoro G/S	220/132KV 160 MVA T/F T-7	NTDC	HESCO	19,000	53,664,000
73	Jaranwala Road G/S	220/132 kV T3	NTDC	FESCO	0	65,375,000
74	Jaranwala Road G/S	MISC AUX Jaranwala Road G/S	NTDC	FESCO	38,100	0
75	Jaranwala Road G/S	220/132 kV T4	NTDC	FESCO	0	75,235,000
76	Jaranwala Road G/S	220/132 kV T1	NTDC	FESCO	0	66,984,000
77	Jaranwala Road G/S	220/132 kV T2	NTDC	FESCO	0	66,983,000
78	Jhampir G/S	M1	NTDC	HESCO	13,280,000	5,251,000
79	Jhampir G/S	T-3	NTDC	HESCO	14,029,000	5,238,000
80	Jhampir G/S	M2	NTDC	HESCO	12,404,000	5,235,000
81	Jhampir G/S	MISC AUX Jhampir G/S	NTDC	HESCO	55,704	0
82	Kala Shah Kaku G/S	MISC AUX Kala Shah Kaku G/S	NTDC	LESCO	55,610	0
83	Kala Shah Kaku G/S	220/132 T1	NTDC	LESCO	0	49,732,000
84	Kala Shah Kaku G/S	220/132 T4	NTDC	LESCO	0	52,435,000
85	Kala Shah Kaku G/S	220/132 T2	NTDC	LESCO	0	51,782,000
86	Kala Shah Kaku G/S	220/132 T3	NTDC	LESCO	0	60,686,000
87	Kassowal	MISC AUX Kassowal	NTDC	MEPCO	35,560	0
88	Kassowal	220/132 kV T2	NTDC	MEPCO	0	73,904,000
89	Kassowal	220/132 kV T1	NTDC	MEPCO	0	74,159,000
90	KDA G/S	Jamshoro - 2	K-Electric	NTDC	3,072,000	17,112,000
91	KDA G/S	Jamshoro - 1	K-Electric	NTDC	3,078,000	17,194,000
92	Khuzdar G/S	220/132 kV T1	NTDC	QESCO	0	57,866,000
93	Khuzdar G/S	220/132 kV T2	NTDC	QESCO	0	58,014,000
94	Khuzdar G/S	MISC AUX Khuzdar G/S	NTDC	QESCO	28,215	0
95	Kot Lakhpat G/S	220/132 kV T1	NTDC	LESCO	0	124,586,000
96	Kot Lakhpat G/S	220/132 kV T2	NTDC	LESCO	0	124,984,000
97	Kot Lakhpat G/S	MISC AUX Kot Lakhpat G/S	NTDC	LESCO	15,720	0
98	Kot Lakhpat G/S	220/132 kV T3	NTDC	LESCO	0	124,532,000
99	Loralai G/S	MISC AUX Loralai G/S	NTDC	QESCO	26,971	0
100	Loralai G/S	220/132 kV T1	NTDC	QESCO	0	59,903,000



Metering Information System
Billing & Recovery Section, NTDC
Distribution Points (500 & 220kV Stations)
Sep-19

Sr No	Grid Station	Metering Point Description (Line/TF)	From	To	Energy kWh	
					Received	Delivered
101	Loralai G/S	220/132 kV T2	NTDC	QESCO	0	59,324,000
102	Luddewala G/S	220/132 kV T1	NTDC	FESCO	0	67,055,000
103	Luddewala G/S	220/132 kV T2	NTDC	FESCO	0	127,248,000
104	Luddewala G/S	220/132 kV T3	NTDC	FESCO	0	128,281,000
105	Luddewala G/S	MISC AUX Luddewala G/S	NTDC	FESCO	31,300	0
106	Mansehra G/S	250 MVA T/F - 1	NTDC	PESCO	0	44,393,000
107	Mansehra G/S	250 MVA T/F - 2	NTDC	PESCO	0	45,765,000
108	Mansehra G/S	Grid Auxiliary	NTDC	PESCO	24,248	0
109	Mardan G/S	220/132 kV T1	NTDC	PESCO	0	103,961,000
110	Mardan G/S	220/132 kV T2	NTDC	PESCO	0	107,299,000
111	Mardan G/S	220/132 kV T3	NTDC	PESCO	0	107,142,000
112	Mardan G/S	MISC AUX Mardan G/S	NTDC	PESCO	74,900	0
113	Multan G/S	220/132 kV T4	NTDC	MEPCO	0	78,070,000
114	Multan G/S	220/132 kV T5	NTDC	MEPCO	0	78,838,000
115	Multan G/S	132/11 kV T6	NTDC	MEPCO	120,000	0
116	Multan G/S	220/132 kV T3	NTDC	MEPCO	0	78,458,000
117	Muzaffar Garh G/S	132/11 kV Auxilliary	NTDC	MEPCO	31,222	0
118	Muzaffar Garh G/S	220/132 kV T1	NTDC	MEPCO	0	61,732,000
119	Muzaffar Garh G/S	220/132 kV T2	NTDC	MEPCO	0	62,092,000
120	NGPS Multan	220kV New Multan - 1	NTDC	MEPCO	32,000	64,094,000
121	NGPS Multan	220kV New Multan - 2	NTDC	MEPCO	33,000	64,626,000
122	Nishatabad G/S	220/132 kV T1	NTDC	FESCO	0	54,831,000
123	Nishatabad G/S	220/132 kV T2	NTDC	FESCO	0	66,418,000
124	Nishatabad G/S	220/132 kV T3	NTDC	FESCO	0	80,216,000
125	Nishatabad G/S	220/132 kV T5	NTDC	FESCO	0	54,384,000
126	Nishatabad New G/S	11 kV Feeder to 220 kV G/S	FESCO	NTDC	369,566	0
127	NKI G/S	220 kV Line 1	NTDC	K-Electric	1,000	206,866,000
128	NKI G/S	220 kV Line 2	NTDC	K-Electric	0	209,944,000
129	Nokhar G/S	MISC AUX Nokhar G/S	NTDC	GEPCO	114,965	0
130	Nokhar G/S	220/132 kV T4	NTDC	GEPCO	0	73,544,000
131	Nokhar G/S	220/132 kV T5	NTDC	GEPCO	0	73,393,000
132	Nokhar G/S	220/132 kV T6	NTDC	GEPCO	0	73,448,000
133	Nowshehra G/S	T1	NTDC	PESCO	0	0
134	Nowshehra G/S	T2	NTDC	PESCO	0	0
135	Nowshehra G/S	Grid Auxiliary	NTDC	PESCO	65,070	0
136	Okara G/S	MISC AUX Okara G/S	NTDC	LESCO	83,269	0
137	Okara G/S	220/132 kV T2	NTDC	LESCO	0	67,660,000
138	Okara G/S	220/132 kV T1	NTDC	LESCO	0	67,727,000
139	Quetta Industrial G/S	220/132 kV T1	NTDC	QESCO	0	43,190,000
140	Quetta Industrial G/S	220/132 kV T2	NTDC	QESCO	0	42,730,000
141	Quetta Industrial G/S	220/132 kV T3	NTDC	QESCO	0	91,960,000
142	Quetta Industrial G/S	MISC AUX Quetta Industrial G/S	NTDC	QESCO	22,300	0
143	Rahim Yar Khan G/S	T-5	NTDC	MEPCO	0	81,288,000
144	Rahim Yar Khan G/S	T-7 Aux	NTDC	MEPCO	77,670	0
145	Rahim Yar Khan G/S	T-6	NTDC	MEPCO	0	84,356,000
146	Ravi G/S	220/132 kV T1	NTDC	LESCO	0	72,732,000
147	Ravi G/S	MISC AUX Ravi G/S	NTDC	LESCO	4,040	0
148	Ravi G/S	220/132 kV T2	NTDC	LESCO	0	63,538,000
149	Ravi G/S	220/132 kV T3	NTDC	LESCO	0	63,184,000
150	RAWAT G/S	220/132 kV T6	NTDC	IESCO	0	133,320,000



Metering Information System
Billing & Recovery Section, NTDC
Distribution Points (500 & 220kV Stations)
Sep-19

Sr No	Grid Station	Metering Point Description (Line/TF)	From	To	Energy kWh	
					Received	Delivered
151	RAWAT G/S	MISC AUX RAWAT G/S	NTDC	IESCO	159,680	0
152	RAWAT G/S	220/132 kV T4	NTDC	IESCO	0	133,766,000
153	RAWAT G/S	220/132 kV T5	NTDC	IESCO	0	132,838,000
154	Rohri G/S	T1	NTDC	SEPCO	0	53,931,000
155	Rohri G/S	T2	NTDC	SEPCO	0	55,571,000
156	Rohri G/S	AUX T-3 Rohri G/S	NTDC	SEPCO	42,206	0
157	Sarfaraz Nagar G/S	220/132 kV T1	NTDC	LESCO	0	72,738,000
158	Sarfaraz Nagar G/S	220/132 kV T2	NTDC	LESCO	0	67,369,000
159	Sarfaraz Nagar G/S	220/132 kV T3	NTDC	LESCO	0	71,696,000
160	Sarfaraz Nagar G/S	220/132 kV T6	NTDC	LESCO	0	71,818,000
161	Sarfaraz Nagar G/S	MISC AUX Sarfaraz Nagar G/S	NTDC	LESCO	65,805	0
162	Shahi Bagh G/S	220/132 kV T2	NTDC	PESCO	6,000	27,679,000
163	Shahi Bagh G/S	220/132 kV T3	NTDC	PESCO	6,000	27,624,000
164	Shahi Bagh G/S	220/132 kV T4	NTDC	PESCO	6,000	27,965,000
165	Shahi Bagh G/S	220/132 kV T1	NTDC	PESCO	5,000	27,701,000
166	Shahi Bagh G/S	MISC AUX Shahi Bagh G/S	NTDC	PESCO	57,125	0
167	Shalamar G/S	MISC AUX Shalamar G/S	NTDC	LESCO	46,600	0
168	Shalamar G/S	T1	NTDC	LESCO	0	44,578,000
169	Shalamar G/S	T2	NTDC	LESCO	0	42,820,000
170	Shalamar G/S	T3	NTDC	LESCO	0	44,646,000
171	Sheikh Muhammadi G/S	220/132 kV T8	NTDC	PESCO	0	95,501,000
172	Sheikh Muhammadi G/S	220/132 kV T3	NTDC	PESCO	0	95,494,000
173	Sheikh Muhammadi G/S	MISC AUX Sheikh Muhammadi G/S	NTDC	PESCO	8,681	0
174	Sheikh Muhammadi G/S	220/132 kV T4	NTDC	PESCO	0	98,099,000
175	Sheikh Muhammadi G/S	220/132 kV T5	NTDC	PESCO	0	95,217,000
176	Sheikhupura G/S	220/132 kV T5	NTDC	LESCO	0	57,556,000
177	Sheikhupura G/S	220/132 kV T6	NTDC	LESCO	0	68,030,000
178	Sheikhupura G/S	220/132 kV T8	NTDC	LESCO	0	59,961,000
179	Sheikhupura G/S	220/132 kV T7	NTDC	LESCO	0	73,365,000
180	Shikarpur G/S	MISC AUX Shikarpur G/S	NTDC	SEPCO	91,100	0
181	Shikarpur G/S	220/132 kV T1	NTDC	SEPCO	0	47,590,000
182	Shikarpur G/S	220/132 kV T2	NTDC	SEPCO	0	95,938,000
183	Shikarpur G/S	220/132 kV T3	NTDC	SEPCO	0	47,124,000
184	Sialkot G/S	220/132 kV T2	NTDC	GEPCO	2,000	44,849,000
185	Sialkot G/S	220/132 kV T3	NTDC	GEPCO	2,000	44,910,000
186	Sialkot G/S	MISC AUX Sialkot G/S	NTDC	GEPCO	34,662	0
187	Sialkot G/S	220/132 kV T1	NTDC	GEPCO	2,000	44,984,000
188	Sibbi G/S	220/132 kV T1	NTDC	QESCO	0	47,681,000
189	Sibbi G/S	220/132 kV T2	NTDC	QESCO	0	49,693,000
190	Sibbi G/S	MISC AUX Sibbi G/S	NTDC	QESCO	44,250	0
191	Summandri Road Faisalabad G/S	220/132 kV T1	NTDC	FESCO	0	33,860,000
192	Summandri Road Faisalabad G/S	220/132 kV T2	NTDC	FESCO	0	52,200,000
193	Summandri Road Faisalabad G/S	220/132 kV T3	NTDC	FESCO	0	63,859,000
194	Summandri Road Faisalabad G/S	MISC AUX Summandri Road Faisalabad G/S	NTDC	FESCO	48,896	0
195	TMK Hyderabad G/S	220/132 kV T1	NTDC	HESCO	1,000	52,268,000
196	TMK Hyderabad G/S	220/132 kV T2	NTDC	HESCO	0	52,578,000
197	TMK Hyderabad G/S	MISC AUX TMK Hyderabad G/S	NTDC	HESCO	26,376	0
198	Toba Tek Singh	MISC AUX Toba Tek Singh	NTDC	FESCO	49,860	0



Metering Information System
Billing & Recovery Section, NTDC
Distribution Points (500 & 220kV Stations)
Sep-19

Sr No	Grid Station	Metering Point Description (Line/TF)	From	To	Energy kWh	
					Received	Delivered
199	Toba Tek Singh	T1	NTDC	FESCO	0	86,964,000
200	Toba Tek Singh	T3	NTDC	FESCO	0	41,547,000
201	Toba Tek Singh	T4	NTDC	FESCO	0	77,136,000
202	Toba Tek Singh	T2	NTDC	FESCO	0	88,245,000
203	Vehari G/S	11 kV Auxillary Supply	NTDC	MEPCO	38,260	0
204	Vehari G/S	220/132 kV T1	NTDC	MEPCO	0	74,264,000
205	Vehari G/S	220/132 kV T2	NTDC	MEPCO	0	73,949,000
206	Vehari G/S	220/132 kV T3	NTDC	MEPCO	0	115,151,000
207	Wapda Town G/S	220/132 kV T2	NTDC	LESCO	0	73,150,000
208	Wapda Town G/S	220/132 kV T3	NTDC	LESCO	0	73,189,000
209	Wapda Town G/S	MISC AUX Wapda Town G/S	NTDC	LESCO	5,700	0
210	Wapda Town G/S	220/132 kV T1	NTDC	LESCO	0	72,947,000
211	Yousafwala G/S	Grid Auxillary	NTDC	MEPCO	114,007	0
212	Yousafwala G/S	220/132 kV T3	NTDC	MEPCO	0	63,591,000
213	Yousafwala G/S	220/132 kV T4	NTDC	MEPCO	0	64,427,000
214	Yousafwala G/S	220/132 kV T5	NTDC	MEPCO	0	74,554,000
215	Yousafwala G/S	220/132 kV T6	NTDC	MEPCO	0	73,612,000
TOTAL					49,058,191	10,819,737,666