



THE KARACHI ELECTRIC SUPPLY COMPANY LTD.

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Ref. No.CMF/NEPRA/071/ 763
July 22, 2011

The Registrar
National Electric Power Regulatory Authority
2ND Floor, OPF Building, G-5/2
Islamabad

Dear Sir

Subject: **MONTHLY FUEL SURCHARGE ADJUSTMENT (FSA) DUE TO VARIATION IN FUEL AND POWER PURCHASE PRICE FOR JUNE 2011**

This is further to our letter no. CMF/NEPRA/071/757 dated 11th July, 2011, wherein the requisite data for the required monthly fuel surcharge adjustment based on units sent out (without taking into account the effect of T&D losses) for June 2011 was submitted.

The previous information for June 2011 was submitted after taking the cost of power purchase from NTDC on a provisional basis as the invoice for June 2011 was not received till then. The invoice for June 2011 dated 19th July, 2011 has been received from NTDC has been received on 20th Jul2, 2011. The fuel component of cost of power purchase from NTDC previously taken at Rs 2,967,129,831 has now increased to Rs 3,054,440,096. The units purchased have also increased from 471,303,500 million kWh to 480,336,800 kWh.

Required Monthly Adjustment:

The required monthly adjustment in fuel surcharge adjustment based on units sent out for May 2011 is now as follows;

DESCRIPTION	June 2011 - Original (Over March 2011)	June 2011 - Revised (Over March 2011)
Fuel Price Variation	56.241	55.874
Power Purchase Price Variation	(22.013)	(21.014)
Total Variation	34.229	34.860

Furthermore, it is certified that the cost of fuel and power purchase claimed does not include any amount of late payment surcharge/ markup/ interest.

The revised statements have been enclosed for your review and reference.

Best Regards

Abdul Rauf Yousuf
Director (RA & SP)

Copy to:

Mr. Sajjad Muhammad Qureshi, Director-Tariff, NEPRA, Islamabad

K. E. S. C. LTD

SUMMARY OF REQUIRED ADJUSTMENT ON ACCOUNT OF VARIATION IN COST OF FUEL AND POWER PURCHASES

DESCRIPTION	Mar-11	Apr-11	May-11	Jun-11	
1 MONTHLY ALLOWABLE ADJUSTMENT ON UNITS SENT OUT BASIS					
a. Monthly Variation in					
i Fuel Price	Mill Rs.	611.239	(1,086.227)	607.943	773.494
ii Power Purchase Price - Fuel component	Mill Rs.	1,246.159	188.632	(257.533)	(290.905)
iii Total Monthly Variation (i + ii) - Over Reference Tariff	Mill Rs.	1,857.398	(897.595)	350.410	482.588
b. Units Sent Out	Mill kWh	1,212.190	1,323.554	1,449.368	1,384.345
2					
a. Monthly Variation in FSA - due to					
i Fuel Price	Ps/kWh	50.424	(82.069)	41.945	55.874
ii Power Purchase Price - Fuel component	Ps/kWh	102.802	14.252	(17.769)	(21.014)
b. Monthly increase/decrease to be passed to Consumers (i+ii)	Ps/kWh	153.227	(67.817)	24.177	34.860
c. Units Sold at 23% T&D losses	Mill kWh	933.386	1,019.137	1,116.014	1,065.946
d. Increase/ Decrease in Revenue due to FSA	Mill Rs.	1,430.197	(691.148)	269.816	371.593
3 MONTHLY SHORTFALL/(SURPLUS) IN REVENUE (1a+ii -2d)	Mill Rs.	427.202	(206.447)	80.594	110.995

Work Sheet- Fuel Price Variation

DESCRIPTION		Mar-11	Apr-11	May-11	Jun-11
1 UNITS SENT OUT - KESC					
1a UNITS SENT OUT ON GAS					
i Bin Qasim	Mill kWh	199.488	177.157	212.490	186.691
ii Korangi Thermal	Mill kWh	6.098	15.268	31.445	28.688
iii Korangi Gas 1	Mill kWh	-	-	-	-
iv Korangi Gas 2	Mill kWh	53.011	55.423	57.705	58.363
v Site Gas 1	Mill kWh	-	-	-	-
vi Site Gas 2	Mill kWh	47.345	53.495	59.426	53.909
vii Korangi combined	Mill kWh	57.929	82.830	106.852	115.507
viii Total (i to vii)	Mill kWh	363.870	384.173	467.918	443.158
1b UNITS SENT OUT ON F. OIL					
i Bin Qasim	Mill kWh	199.987	304.114	321.005	292.381
ii Korangi Thermal	Mill kWh				
iii Korangi Gas 1	Mill kWh				
iv Korangi Gas 2	Mill kWh				
v Site Gas 1	Mill kWh				
vi Site Gas 2	Mill kWh				
vii Korangi combined	Mill kWh				
viii Total (i to vii)	Mill kWh	199.987	304.114	321.005	292.381
			44%	41%	40%
1c TOTAL UNITS SENT OUT (1 + 2)					
i Bin Qasim	Mill kWh	399.475	481.271	533.495	479.073
ii Korangi Thermal	Mill kWh	6.098	15.268	31.445	28.688
iii Korangi Gas 1	Mill kWh	-	-	-	-
iv Korangi Gas 2	Mill kWh	53.011	55.423	57.705	58.363
v Site Gas 1	Mill kWh	-	-	-	-
vi Site Gas 2	Mill kWh	47.345	53.495	59.426	53.909
vii Korangi combined	Mill kWh	57.929	82.830	106.852	115.507
viii Total (i to vii)	Mill kWh	563.857	688.286	788.923	735.539
2 HEAT RATE AT BUS BAR					
2a Heat Rate of GAS - of item 1					
i Bin Qasim	Btu/kWh	10,650	10,650	10,650	10,650
ii Korangi Thermal	Btu/kWh	13,738	13,738	13,738	13,738
iii Korangi Gas 1	Btu/kWh	17,039	17,039	17,039	17,039
iv Korangi Gas 2	Btu/kWh	9,500	9,500	9,500	9,500
v Site Gas 1	Btu/kWh	17,039	17,039	17,039	17,039
vi Site Gas 2	Btu/kWh	9,500	9,500	9,500	9,500
vii Korangi combined	Btu/kWh	9,110	9,110	9,110	9,110
2b CONVERSION FACTOR F. OIL - of item 2					
i Bin Qasim	Kg/kWh	0.264	0.264	0.264	0.264
ii Korangi Thermal	Kg/kWh	0.340	0.340	0.340	0.340
		282.914			
3 FUEL PRICES					
a. Fuel Prices- Gas (Rs/MMBTu)	R\$/MMBTu	393.79	393.79	393.790	393.790
b. Fuel Price -F.O (Rs/Kg)	R\$/Kg	56,579	34,596	56,917	59,286
4 COST OF FUEL					
4a COST OF GAS					
i Bin Qasim	Mill Rs	836.623	742.971	891.153	782.958
ii Korangi Thermal	Mill Rs	32.992	82.597	170.116	155.200
iii Korangi Gas 1	Mill Rs	-	-	-	-
iv Korangi Gas 2	Mill Rs	198.312	207.337	215.875	218.334
v Site Gas 1	Mill Rs	-	-	-	-
vi Site Gas 2	Mill Rs	177.116	200.124	222.312	201.674
vii Korangi combined	Mill Rs	207.814	297.146	383.322	414.372
viii Total (i to vii)	Mill Rs	1,452.856	1,530.175	1,882.778	1,772.539
4b COST OF FURNACE OIL					
i Bin Qasim	Mill Rs	2,987.169	2,777.552	4,823.430	4,576.245
ii Korangi Thermal	Mill Rs	-	-	-	-
iii Korangi Gas 1	Mill Rs	-	-	-	-
iv Korangi Gas 2	Mill Rs	-	-	-	-
v Site Gas 1	Mill Rs	-	-	-	-
vi Site Gas 2	Mill Rs	-	-	-	-
vii Korangi combined	Mill Rs	-	-	-	-
viii Total (i to vii)	Mill Rs	2,987.169	2,777.552	4,823.430	4,576.245

Work Sheet- Fuel Price Variation

		Mar-11	Apr-11	May-11	Jun-11
DESCRIPTION					
4c TOTAL COST OF FUEL					
i Bin Qasim	Mill Rs	3,823.792	3,520.522	5,714.584	5,359.203
ii Korangi Thermal	Mill Rs	32.992	82.597	170.116	155.200
iii Korangi Gas 1	Mill Rs	-	-	-	-
iv Korangi Gas 2	Mill Rs	198.312	207.337	215.875	218.334
v Site Gas 1	Mill Rs	-	-	-	-
vi Site Gas 2	Mill Rs	177.116	200.124	222.312	201.674
vii Korangi combined	Mill Rs	207.814	297.146	383.322	414.372
viii Total	Mill Rs	4,440.025	4,307.727	6,706.209	6,348.784
5 COST OF FUEL PER KWH					
a Bin Qasim	Rs/kWh	9.572	7.315	10.712	11.187
b Korangi Thermal	Rs/kWh	5.410	5.410	5.410	5.410
c Korangi Gas 1	Rs/kWh	6.710	6.710	6.710	6.710
d Korangi Gas 2	Rs/kWh	3.741	3.741	3.741	3.741
e Site Gas 1	Rs/kWh	-	-	-	-
f Site Gas 2	Rs/kWh	3.741	3.741	3.741	3.741
g Korangi combined	Rs/kWh	3.587	3.587	3.587	3.587
6 INCREASE/DECREASE IN COST OF FUEL PER KWH					
a Bin Qasim	Rs/kWh	1.530	(2.257)	1.140	1.615
b Korangi Thermal	Rs/kWh	(0.006)	-	0.000	0.000
c Korangi Gas 1	Rs/kWh	0.000	-	-	-
d Korangi Gas 2	Rs/kWh	(0.000)	0.000	0.000	0.000
e Site Gas 1	Rs/kWh	-	-	-	-
f Site Gas 2	Rs/kWh	(0.000)	0.000	0.000	0.000
g Korangi combined	Rs/kWh	(0.000)	0.000	0.000	0.000
7 INCREASE / DERCREASE IN FUEL COST OVER PREVIOUS MONTH					
a Bin Qasim	Mill Rs	611.276	(1,086.228)	607.942	773.494
b Korangi Thermal	Mill Rs	(0.037)	-	0.000	0.000
c Korangi Gas 1	Mill Rs	-	-	-	-
d Korangi Gas 2	Mill Rs	-	0.000	0.000	0.000
e Site Gas 1	Mill Rs	-	-	-	-
f Site Gas 2	Mill Rs	-	0.000	(0.000)	(0.000)
g Korangi combined	Mill Rs	-	(0.000)	0.000	(0.000)
h Total (a to g)	Mill Rs	611.239	(1,086.227)	607.943	773.494
8 INCREASE / DERCREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS					
a Fuel price variation (item 7-h)	Mill Rs	611.239	(1,086.227)	607.943	773.494
b Units Sent Out - KESC	Mill kWh	563.857	688.286	788.923	735.539
c Power Purchase	Mill kWh	648.334	635.268	660.446	648.806
d Total Units Sent Out (b + c)	Mill kWh	1,212.190	1,323.554	1,449.368	1,384.345
e Increase / Decrease in Tariff (8a / 8d x 100) To be passed on to the consumers - FSA	Ps/kWh	50.424	(82.069)	41.945	55.874
9 INCREASE / DERCREASE IN REVENUE					
a Units Sold	Mill kWh	933.386	1,019.137	1,116.014	1,065.946
b Increase / Decrease in Tariff	Ps/kWh	50.424	(82.069)	41.945	55.874
c Increase / Decrease in Revenue (9a / 9b x 100)	Mill Rs	470.654	(836.395)	468.116	595.590
d Accumulated increase / decrease in revenue	Mill Rs	386.194	(836.395)	(368.279)	227.311

Work Sheet- Power Purchase Cost Variation

DESCRIPTION		Mar-11	Apr-11	May-11	Jun-11
1 POWER PURCHASES					
a	KANUPP	Mill kWh	-	0.006	22.207
b	PASMIC	Mill kWh	3.431	2.903	1.619
c	TAPAL	Mill kWh	78.397	66.238	68.826
d	GUL AHMED	Mill kWh	67.022	67.522	63.261
e	NTDC/WAPDA	Mill kWh	484.375	486.105	480.337
f	ANOUD POWER	Mill kWh	6.281	5.743	5.279
g	DHA CO-GEN	Mill kWh	-	-	-
h	INT IND (IIL)	Mill kWh	8.828	6.757	7.277
i	KH FAMA	Mill kWh	-	-	-
j	AGGREKO	Mill kWh	-	-	-
k	ENGRO	Mill kWh	-	-	-
l	AL-ABBAS	Mill kWh	-	-	-
m	TOTAL	Mill kWh	648.334	635.268	648.806
2 COST OF POWER PURCHASE - FUEL COST					
a	KANUPP	Mill Rs	-	0.057	201.948
b	PASMIC	Mill Rs	28.525	18.508	14.722
c	TAPAL	Mill Rs	974.919	866.098	913.874
d	GUL AHMED	Mill Rs	869.187	913.602	863.768
e	NTDC/WAPDA	Mill Rs	3,450.155	3,614.321	3,054.440
f	ANOUD POWER	Mill Rs	61.020	58.470	53.836
g	DHA CO-GEN	Mill Rs	-	-	-
h	INT IND (IIL)	Mill Rs	32.958	25.234	27.212
i	KH FAMA	Mill Rs	-	-	-
j	AGGREKO	Mill Rs	(0.000)	-	-
k	ENGRO	Mill Rs	-	-	-
l	AL-ABBAS	Mill Rs	-	-	-
m	TOTAL	Mill Rs	5,416.763	5,496.232	5,129.800
3 COST OF POWER PURCHASE- Fuel Cost/kWh					
a	KANUPP	Rs/kWh	-	8.994	9.094
b	PASMIC	Rs/kWh	8.313	6.376	8.994
c	TAPAL	Rs/kWh	12.436	13.076	13.278
d	GUL AHMED	Rs/kWh	12.969	13.530	13.654
e	NTDC/WAPDA	Rs/kWh	7.123	7.435	6.359
f	ANOUD POWER	Rs/kWh	9.715	10.181	10.198
g	DHA CO-GEN	Rs/kWh	-	-	-
h	INT IND (IIL)	Rs/kWh	3.734	3.734	3.740
i	KH FAMA	Rs/kWh	-	-	-
j	AGGREKO	Rs/kWh	-	-	-
k	ENGRO	Rs/kWh	-	-	-
l	AL-ABBAS	Rs/kWh	-	-	-
m	AVERAGE	Rs/kWh	8.355	8.652	7.965
4 INCREASE / DECREASE IN FUEL COMPONENT OF POWER PURCHASE - TO BE PASSED IN THE MONTHLY BILLS					
a	Average Monthly Fuel cost of Power Purchase (Item 3m)	Rs/kWh	8.355	8.652	7.965
b	Reference Rate - Previous Month	Rs/kWh	6.433	8.355	8.355
c	Increase / Decrease in Average Rate of Power Purchase (4a-4b)	Rs/kWh	1.922	0.297	(0.390)
d	Total Power Purchase (Item 1m)	Mill kWh	648.334	635.268	648.806
e	Increase / Decrease in Fuel Cost of Power Purchase (4c*4d)	Mill Rs	1,246.159	188.632	(257.533)
5 INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS					
a	Fuel price variation in cost of power purchase (Item 4a)		1,246.159	188.632	(257.533)
b	Units Sent Out - KESC	Mill kWh	563.857	688.286	788.923
c	Power Purchase	Mill kWh	648.334	635.268	660.446
d	Total Units Sent Out (b + c)	Mill kWh	1,212.190	1,323.554	1,449.368
e	Increase / Decrease in Tariff (5a / 5d x 100)				
	To be passed on to the consumers - FSA	Ps/kWh	102.802	14.252	(17.769)
6 INCREASE / DECREASE IN REVENUE					
a	Units Sold	Mill kWh	933.386	1,019.137	1,116.014
b	Increase / Decrease in Tariff (item 5e)	Ps/kWh	102.802	14.252	(17.769)
c	Increase / Decrease in Revenue (6a / 6b x100)	Mill Rs	959.542	145.247	(198.300)
d	Accumulated increase / decrease in revenue	Mill Rs	2,032.893	145.247	(53.053)

Break of Cost of Power Purchases

DESCRIPTION		Mar-11	Apr-11	May-11	Jun-11	Apr-Jun 2011
1 KANUPP						
Units Purchased	Mill kWh	-	-	0.006336	22.206624	22.212960
Fuel Cost	Mill Rs	-	-	0.056986	201.947927	202.004913
Variable O & M	Mill Rs	-	-	0.003286	11.515911	11.519197
Total Cost	Mill Rs	-	-	0.060271	213.463838	213.524109
RATE OF PURCHASE FROM KANUPP						
Fuel Cost	Rs/kWh	8.313301	6.375623	8.993967	9.094040	9.094011
Variable O & M	Rs/kWh	0.518580	0.518580	0.518580	0.518580	0.518580
Total Cost	Rs/kWh	#DIV/0!	#DIV/0!	9.512547	9.612620	9.612591
2 PASMIC						
Units Purchased	Mill kWh	3.431320	2.902915	2.514626	1.618899	7.036440
Fuel Cost	Mill Rs	28.525596	18.507892	22.616463	14.722332	55.846688
Variable O & M	Mill Rs	4.410516	3.731320	3.232225	2.080884	9.044429
Total Cost	Mill Rs	32.936112	22.239212	25.848688	16.803216	64.891116
RATE OF PURCHASE FROM PASMIC						
Fuel Cost	Rs/kWh	8.313301	6.375623	8.993967	9.094040	7.936782
Variable O & M	Rs/kWh	1.285370	1.285370	1.285370	1.285370	1.285370
Total Cost	Rs/kWh	9.598671	7.660993	10.279337	10.379410	9.222152
3 Tapal Energy Ltd.						
Units Purchased	Mill kWh	78.396700	66.237500	72.136600	68.826100	207.200200
Fuel cost	Mill Rs	974.919143	866.097665	987.953497	913.873629	2,767.924791
Variable O & M	Mill Rs	61.996110	52.380615	57.045623	54.427680	163.853918
Total Energy Purchase Price	Mill Rs	1,036.915253	918.478280	1,044.999120	968.301309	2,931.778709
Capacity Purchase Price	Mill Rs	111.001294	110.830938	110.830938	110.830938	332.492814
Total Cost	Mill Rs	1,147.916547	1,029.309218	1,155.830058	1,079.132247	3,264.271523
Payment of WWF for the year ended June 30 2009 and 2010		-	-	-	-	22.107236
Payment of WPPF for the year ended June 30 2009 and 2010		-	-	-	-	55.268091
Total Cost		1,147.916547	1,029.309218	1,155.830058	1,079.132247	3,341.646850
RATE OF PURCHASE FROM TAPAL						
Fuel cost	Rs/kWh	12.436	13.076	13.696	13.278	13.359
Variable O & M	Rs/kWh	0.791	0.791	0.791	0.791	0.791
Total Energy Purchase Price	Rs/kWh	13.227	13.866	14.486	14.069	14.149
Capacity Purchase Price	Rs/kWh	1.416	1.673	1.536	1.610	1.605
Total Cost	Rs/kWh	14.642	15.540	16.023	15.679	15.754
Adj of WPPF and WWF for the year ended June 30 2009 and 2010		14.642	15.540	16.023	15.679	16.128
4 Gul Ahmed Energy Ltd.						
Units Purchased	Mill kWh	67.021933	67.521873	76.060555	63.261312	206.843740
Fuel cost	Mill Rs	869.186503	913.601874	1,072.328192	863.767873	2,849.697939
Variable O & M	Mill Rs	30.937324	31.168097	35.109552	29.201422	95.479070
Total Energy Purchase Price	Mill Rs	900.123827	944.769970	1,107.437744	892.969295	2,945.177009
Capacity Purchase Price	Mill Rs	100.494786	100.399850	100.399850	100.399850	301.199550
Total Cost	Mill Rs	1,000.618613	1,045.169820	1,207.837594	993.369145	3,246.376559
Payment of WWF for the year ended June 30 2009 and 2010		-	-	-	-	20.670963
Payment of WPPF for the year ended June 30 2009 and 2010		-	-	-	-	51.678367
Total Cost		1,000.618613	1,045.169820	1,207.837594	993.369145	3,318.725889
RATE OF PURCHASE FROM GUL AHMED						
Fuel cost	Rs/kWh	12.969	13.530	14.098	13.654	13.777
Variable O & M	Rs/kWh	0.462	0.462	0.462	0.462	0.462
Total Energy Purchase Price	Rs/kWh	13.430	13.992	14.560	14.116	14.239
Capacity Purchase Price	Rs/kWh	1.499	1.487	1.320	1.587	1.456
Total Cost	Rs/kWh	14.930	15.479	15.880	15.703	15.695
Adj of WPPF and WWF for the year ended June 30 2009 and 2010		14.930	15.479	15.880	15.703	16.045
5 NTDC/WAPDA						
Units Imported	Mill kWh	484.375000	486.105400	494.601200	480.336800	1,461.043400
Maximum Demand	MW	770	890	810	780	
Use of system charges	Mill Rs	77.115500	89.133500	81.121500	78.117000	248.372000
Energy Transfer Charges						
- Capacity Transfer charges	Mill Rs	638.898021	565.953395	696.986085	640.207668	1,903.147148
- Energy Transfer Charges I	Mill Rs	3,370.752063	3,500.223570	3,072.063017	3,004.823226	9,577.109813
- Energy Transfer Charges II	Mill Rs	100.085922	114.097554	41.739395	49.616870	205.453819
Adjustment for Finance Cost to IPPs		(20.682813)	-	(35.602384)		
Total Energy Transfer Charges	Mill Rs	4,089.053194	4,180.274519	3,810.788497	3,694.647764	11,685.710780
Total Cost without GST	Mill Rs	4,166.168694	4,269.408019	3,891.909997	3,772.764764	11,934.082780
GST @ 17%	Mill Rs	573.027851	595.038007	522.250713	510.819948	1,628.108668
Total Cost With GST	Mill Rs	4,739.196544	4,864.446026	4,414.160710	4,283.584712	13,562.191448

RESULTS

Break of Cost of Power Purchases		2010-2011				
Description		2010	2011	2010	2011	2010
1 RAMP						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
RATE OF PURCHASE FROM RAMP						
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
2 PASC						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
RATE OF PURCHASE FROM PASC						
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
3 Tapal Energy LLC						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Energy Purchase Price	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Capacity Purchase Price	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
RATE OF PURCHASE FROM TAPAL						
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Energy Purchase Price	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Capacity Purchase Price	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
4 Gulfstream Energy LLC						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Energy Purchase Price	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Capacity Purchase Price	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
RATE OF PURCHASE FROM GULFSTREAM						
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Energy Purchase Price	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Capacity Purchase Price	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
5 BTRC/WAPA						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
RATE OF PURCHASE FROM BTRC/WAPA						
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
6 ANCHOR POWER						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
RATE OF PURCHASE FROM ANCHOR POWER						
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
7 DMA COGEN						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
RATE OF PURCHASE FROM DMA COGEN						
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
8 ILL. INDUSTRIES - Original Invoice						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable and other charges	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Differential due to increase in borrowing cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Amount payable with GST	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Rate with GST	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
9 ILL. INDUSTRIES - Verified for Payment						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable and other charges	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Differential due to increase in borrowing cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Amount payable with GST	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Rate with GST	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
10 ILL. INDUSTRIES - Original Invoice						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable and other charges	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Differential due to increase in borrowing cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Amount payable with GST	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Rate with GST	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
11 ILL. INDUSTRIES - Verified for Payment						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable and other charges	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Differential due to increase in borrowing cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Amount payable with GST	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Rate with GST	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
12 AL-ARABAS						
Units Purchased	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
RATE OF PURCHASE FROM AL-ARABAS						
Fuel Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Variable O & M	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000
Total Cost	MBVA	0.0000	0.0000	0.0000	0.0000	0.0000

886 776
105 751
180 590
75 524
81 503
1 792 961

1,389,890
5,000

8,017,840
242,180

6,141,904
3,078,736

2,276,260
0.11682
MB 602
0.072

0.1788
7.718
8.449
0.818
0.227

Break of Cost of Power Purchases

DESCRIPTION	Mar-11	Apr-11	May-11	Jun-11	Apr-Jun 2011
Rate of Purchase from IIL Industries					
Fuel Cost	Rs/kWh	3.549000	3.549000	3.549000	3.549000
Variable and other charges	Rs/kWh	1.556000	1.556000	0.348542	1.662000
Differential due to increase in borrowing cost	Rs/kWh	-	-	-	-
Rate excluding GST		5.105000	5.105000	3.897542	5.211000
GST @ 17%		0.867850	0.867850	0.662582	0.885870
Rate with GST		5.972850	5.972850	4.560124	6.096870
IIL INDUSTRIES 4 MW- Verified for Payment					
Units Purchased	Mill kWh	0.600249	0.430762	0.564212	0.270702
Fuel Cost	Mill Rs	2.130284	1.528774	2.002388	0.960721
Variable and other charges	Mill Rs	0.933987	0.670266	0.937721	0.449907
Differential due to increase in borrowing cost	Mill Rs	-	-	-	-
Amount excluding GST	Mill Rs	3.064271	2.199040	2.940109	1.410628
GST @ 17%	Mill Rs	0.520926	0.373837	0.499819	0.239807
Amount payable with GST	Mill Rs	3.585197	2.572877	3.439928	1.650435
Rate of Purchase from IIL Industries					
Fuel Cost	Rs/kWh	3.549000	3.549000	3.549000	3.549000
Variable and other charges	Rs/kWh	1.556000	1.556000	1.662000	1.662000
Differential due to increase in borrowing cost	Rs/kWh	-	-	-	-
Rate excluding GST		5.105000	5.105000	5.211000	5.211000
GST @ 17%		0.867850	0.867850	0.885870	0.879737
Rate with GST		5.972850	5.972850	6.096871	6.096870
IIL INDUSTRIES COMBINED - Verified for Payment					
Units Purchased	Mill kWh	8.827530	6.757192	8.622443	7.276684
Fuel Cost	Mill Rs	32.957906	25.233908	32.196580	27.212136
Variable and other charges	Mill Rs	13.554636	10.375009	13.299047	11.197083
Differential due to increase in borrowing cost	Mill Rs	0.312637	0.240404	0.298155	0.259221
Amount excluding GST	Mill Rs	46.825179	35.849321	45.793782	38.668440
GST @ 17%	Mill Rs	7.492029	5.735891	7.784943	6.573635
Amount payable with GST	Mill Rs	54.317208	41.585212	53.578725	45.242075
RATE OF PURCHASE FROM IIL					
Fuel Cost	Rs/kWh	3.733537	3.734378	3.734044	3.739634
Variable and other charges	Rs/kWh	1.535496	1.535402	1.542376	1.538762
Differential due to increase in borrowing cost	Rs/kWh	0.035416	0.035578	0.034579	0.035624
Rate excluding GST		5.304449	5.305358	5.310999	5.314019
GST @ 17%		0.848712	0.848857	0.902870	0.903383
Rate with GST		6.153160	6.154215	6.213868	6.217403
9 KH FAMA					
Units Purchased	Mill kWh	-	-	-	-
Total Cost	Mill Rs	-	-	-	-
10 AGGREKO					
Units Purchased	Mill kWh	-	-	-	-
Fuel Cost	Mill Rs	0.045834	-	-	-
Fixed cost	Mill Rs	54.020655	-	-	-
Total Cost	Mill Rs	54.066489	-	-	-
Currency Adjustmet		(0.491400)	-	-	-
Custom duty Payment		-	-	-	-
Mobilization Advance Payment		-	-	-	-
		53.575089	-	-	-
Rate of Purchase from AGGREKO					
Fuel Cost	Rs/kWh	-	#DIV/0!	-	#DIV/0!
Fixed cost	Rs/kWh	-	#DIV/0!	-	#DIV/0!
Total Cost	Rs/kWh	-	#DIV/0!	-	#DIV/0!
Currency Adjustmet		-	-	-	-
Custom duty Payment		-	-	-	-
Mobilization Advance Payment		-	-	-	-
Total Cost		-	#DIV/0!	-	#DIV/0!
11 ENGRO					
Units Purchased	Mill kWh	-	-	-	-
Fuel Cost	Mill Rs	-	-	-	-
Variable O & M	Mill Rs	-	-	-	-
Total Cost	Mill Rs	-	-	-	-
GST @ 17%		-	-	-	-
Total Cost with GST		-	-	-	-
RATE OF PURCHASE FROM ENGRO					
Fuel Cost	Rs/kWh	-	-	-	#DIV/0!
Variable O & M	Rs/kWh	-	-	-	#DIV/0!
Total Cost	Rs/kWh	-	-	-	#DIV/0!
12 AL-ABBAS					
Units Purchased	Mill kWh	-	-	-	-
Energy Charges	Mill Rs	-	-	-	-
Variable & Other charges	Mill Rs	-	-	-	-
Total Energy Purchase Price	Mill Rs	-	-	-	-
Capacity Purchase Price	Mill Rs	-	-	-	-
Total Cost	Mill Rs	-	-	-	-
GST @ 17%		-	-	-	-
RATE OF PURCHASE FROM AL-ABBAS					
Fuel cost	Rs/kWh	#DIV/0!	#DIV/0!	-	7.036
Variable O & M	Rs/kWh	#DIV/0!	#DIV/0!	-	0.100
Total Energy Purchase Price	Rs/kWh	#DIV/0!	#DIV/0!	-	7.136
Capacity Purchase Price	Rs/kWh	#DIV/0!	#DIV/0!	-	#DIV/0!
Total Cost	Rs/kWh	#DIV/0!	#DIV/0!	-	#DIV/0!

K. E. S. C. LTD

STATION-WISE GENERATION AND SENT OUT - ACTUAL

DESCRIPTION		Mar-11	Apr-11	May-11	Jun-11
1	Units Generated	Mill kWh			
i	Bin Qasim	426.292650	514.684379	566.715901	511.222990
ii	Korangi Thermal	7.340000	17.670000	36.380000	33.000000
iii	Korangi Town Gas Turb I	-	-	-	-
iv	Korangi Town Gas Turb II	54.240521	56.746240	61.197496	59.740550
v	Site Gas Turbine I	-	-	-	-
vi	Site Gas Turbine II	48.541300	54.807800	60.841557	55.242994
vii	Korangi CCPP	64.072766	89.091125	115.038171	124.115451
viii	Total KESC	600.487237	732.999344	840.173125	783.321985
2	Units Sent out	Mill kWh			
i	Bin Qasim	391.317300	474.055505	520.446278	468.928350
ii	Korangi Thermal	6.098400	15.267780	31.445370	28.688220
iii	Korangi Town Gas Turb I	-	-	-	-
iv	Korangi Town Gas Turb II	53.010636	55.422983	57.705100	58.362508
v	Site Gas Turbine I	-	-	-	-
vi	Site Gas Turbine II	47.344980	53.494800	59.425732	53.909100
vii	Korangi CCPP	57.928945	82.830047	106.851556	115.506820
viii	Total KESC	555.700261	681.071115	775.874036	725.394998
3	Auxiliary Consumption	Mill kWh			
i	Bin Qasim	34.975350	40.628874	46.269623	42.294640
ii	Korangi Thermal	1.241600	2.402220	4.934630	4.311780
iii	Korangi Town Gas Turb I	-	-	-	-
iv	Korangi Town Gas Turb II	1.229885	1.323257	3.492396	1.378042
v	Site Gas Turbine I	-	-	-	-
vi	Site Gas Turbine II	1.196320	1.312800	1.415825	1.333894
vii	Korangi CCPP	6.143821	6.261078	8.186615	8.608631
viii	Total KESC	44.786976	51.928229	64.299089	57.926987
4	Auxiliary Consumption				
i	Bin Qasim	8.2%	7.9%	8.2%	8.3%
ii	Korangi Thermal	16.9%	13.6%	13.6%	13.1%
iii	Korangi Town Gas Turb I	0.0%	0.0%	#DIV/0!	#DIV/0!
iv	Korangi Town Gas Turb II	2.3%	2.3%	5.7%	2.3%
v	Site Gas Turbine I	0.0%	0.0%	#DIV/0!	#DIV/0!
vi	Site Gas Turbine II	2.5%	2.4%	2.3%	2.4%
vii	Korangi CCPP	9.6%	7.0%	7.1%	6.9%
viii	Total KESC	7.5%	7.1%	7.7%	7.4%

STATION-WISE GENERATION AND SENT OUT AT 6.1% AUXILIARY CONSUMPTION

DESCRIPTION		Mar-11	Apr-11	May-11	Jun-11
5	Units Sent out	Mill kWh			
i	Bin Qasim	399.474555	481.270774	533.494806	479.072696
ii	Korangi Thermal	6.098400	15.267780	31.445370	28.688220
iii	Korangi Town Gas Turb I	-	-	-	-
iv	Korangi Town Gas Turb II	53.010636	55.422983	57.705100	58.362508
v	Site Gas Turbine I	-	-	-	-
vi	Site Gas Turbine II	47.344980	53.494800	59.425732	53.909100
vii	Korangi CCPP	57.928945	82.830047	106.851556	115.506820
viii	Total KESC	563.857516	688.286384	788.922564	735.539344
	Check	563.857516			
6	Auxiliary Consumption	Mill kWh			
i	Bin Qasim	26.818095	33.413605	33.221095	32.150294
ii	Korangi Thermal	1.241600	2.402220	4.934630	4.311780
iii	Korangi Town Gas Turb I	-	-	-	-
iv	Korangi Town Gas Turb II	1.229885	1.323257	3.492396	1.378042
v	Site Gas Turbine I	-	-	-	-
vi	Site Gas Turbine II	1.196320	1.312800	1.415825	1.333894
vii	Korangi CCPP	6.143821	6.261078	8.186615	8.608631
viii	Total KESC	36.629721	44.712960	51.250561	47.782641
7	Auxiliary Consumption at 6.1%				
i	Bin Qasim	6.3%	6.5%	5.9%	6.3%
ii	Korangi Thermal	0.0%	13.6%	13.6%	13.1%
iii	Korangi Town Gas Turb I	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
iv	Korangi Town Gas Turb II	2.3%	2.3%	5.7%	2.3%
v	Site Gas Turbine I	0.0%	#DIV/0!	#DIV/0!	#DIV/0!
vi	Site Gas Turbine II	2.5%	2.4%	2.3%	2.4%
vii	Korangi CCPP	9.6%	7.0%	7.1%	6.9%
viii	Total KESC	6.1%	6.1%	6.1%	6.1%

K. E. S. C. LTD

STATION-WISE GENERATION AND SENT OUT - ACTUAL

DESCRIPTION	Mar-11	Apr-11	May-11	Jun-11
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WORKING OF GENERATION ON GAS AND FURNACE OIL AND COST OF FUEL

DESCRIPTION

8 Fuel Consumption at BQPS

a. Gas Consumption

000 CM	68,247.912	61,211.501	72,940.791	63,517.421
MMCF	2,422.385	2,172.635	2,568.954	2,254.481
MMCFD	78.14	72.42	83.51	75.15
BTU/MCF	910,860	871,780	909,510	916,210
Million BTU	2,206,454	1,894,060	2,354,679	2,065,578
	49.9%	36.8%	39.8%	39.0%

b. Furnace Oil consumption

M. Ton	54,817.64	80,577.19	88,154.73	80,169.13
BTU/M.Ton	40,351,500	40,351,500	40,351,500	40,351,500
Million BTU	2,211,974	3,251,410	3,557,176	3,234,945
	50.1%	63.2%	60.2%	61.0%

c. Total fuel consumption

Million BTU	4,418,428	5,145,470	5,911,855	5,300,523
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9 Sent out - BQPS

a. On gas

Mill kWh	199,487,725	177,156,924	212,489,848	186,691,428
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b. On Furnace Oil

Mill kWh	199,986,829	304,113,850	321,004,958	292,381,268
Mill kWh	399,474,555	481,270,774	533,494,806	479,072,696

10 Generation on Gas

Mill kWh

i Bin Qasim	199,487,725	177,156,924	212,489,848	186,691,428
ii Korangi Thermal	6,098,400	15,267,780	31,445,370	28,688,220
iii Korangi Town Gas Turb I	-	-	-	-
iv Korangi Town Gas Turb II	53,010,636	55,422,983	57,705,100	58,362,508
v Site Gas Turbine I	-	-	-	-
vi Site Gas Turbine II	47,344,980	53,494,800	59,425,732	53,909,100
vii Korangi CAPP	57,928,945	82,830,047	106,851,556	115,506,820
viii Total KESC	363,870,686	384,172,534	467,917,606	443,158,076

11 Generation on F.Oil - BQPS

Mill kWh	199,986,829	304,113,850	321,004,958	292,381,268
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12 Total Generation at Bus Bar

Mill kWh	563,857,516	688,286,384	788,922,564	735,539,344
	35.5%	44.2%	40.7%	39.8%

13 Price of Gas

a. Gas Consumption

i Bin Qasim	Mill Btu	2,206,454	1,894,060	2,354,679	2,065,578
ii Korangi Thermal	Mill Btu	95,581	228,803	469,960	439,296
iii Korangi Town Gas Turb I	Mill Btu	-	-	-	-
iv Korangi Town Gas Turb II	Mill Btu	532,577	567,929	599,229	579,633
v Site Gas Turbine I	Mill Btu	-	-	-	-
vi Site Gas Turbine II	Mill Btu	462,796	519,774	581,810	523,791
vii Korangi CAPP	Mill Btu	557,802	741,045	973,265	1,073,852
viii Total KESC	Mill Btu	3,855,209	3,951,611	4,978,943	4,682,150

b. Cost of Gas Consumed - of item 13a

i Bin Qasim	Mill Rs.	868,878	745,865	927,262	813,414
ii Korangi Thermal	Mill Rs.	37,639	90,100	185,065	172,991
iii Korangi Town Gas Turb I	Mill Rs.	-	-	-	-
iv Korangi Town Gas Turb II	Mill Rs.	209,724	223,646	235,971	228,255
v Site Gas Turbine I	Mill Rs.	-	-	-	-
vi Site Gas Turbine II	Mill Rs.	182,244	203,172	229,112	206,264
vii Korangi CAPP	Mill Rs.	219,656	291,817	383,260	422,872
viii Total KESC	Mill Rs.	1,518,141	1,554,599	1,960,671	1,843,796

c. Gas Price (item 13b / item 13a)

i Bin Qasim	Rs/Mill Btu	393.79	393.79	393.79	393.79
ii Korangi Thermal	Rs/Mill Btu	393.79	393.79	393.79	393.79
iii Korangi Town Gas Turb I	Rs/Mill Btu	-	-	-	-
iv Korangi Town Gas Turb II	Rs/Mill Btu	393.79	393.79	393.79	393.79
v Site Gas Turbine I	Rs/Mill Btu	-	-	-	-
vi Site Gas Turbine II	Rs/Mill Btu	393.79	390.79	393.79	393.79
vii Korangi CAPP	Rs/Mill Btu	393.79	393.79	393.79	393.79
viii Total KESC	Rs/Mill Btu	393.79	393.79	393.79	393.79

14 Price of Furnace Oil

a. Quantity

M. Ton	54,817.64	80,577.19	88,154.73	80,169.13
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b. Cost of Furnace Oil

Mill Rs.	3,101,534	2,787,623	5,017,483	4,752,947
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c. Furnace oil Price

Rs/M.Ton	56,579.12	34,595.69	56,916.78	59,286.50
	383,572.00	4753,920387		

Gross Generation on Gas

Gross Generation on Furnace oil

Total Gross Generation at BQPS

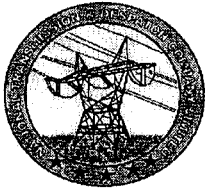
212,880,020	189,456,552	225,721,740	199,220,182
213,412,630	325,227,827	340,994,161	312,002,808
426,292,650	514,684,379	566,715,901	511,222,990

Sent out on Gas

Sent out on Furnace oil

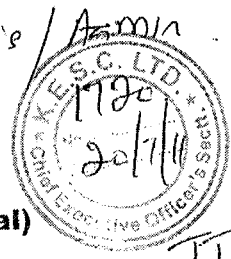
Total Sent out at BQPS

199,487,725	177,156,928	212,489,842	186,691,427
199,986,829	304,113,850	321,004,951	292,381,268
399,474,555	481,270,774	533,494,804	479,072,695



Rauf s b / Rizwan / Moonis / Amin

National Transmission And Despatch Company
Central Power Purchase Agency (CPPA), WAPDA House, Lahore



Power / Electricity Sales Bill (Provisional)

NTDC GST No. 03-00-2716-005-73

KESC GST No. 1200271600728

Name and Address
Karachi Electric Supply Company (KESC)
KESC House, 39-B, Sunset Boulevard,
Phase-IV, DHA, Karachi.

Billing Month	June-11
Reading Date	30-06-2011
Issue Date	19-07-2011
Due Date	03-08-2011

Description		
Energy (kWh)		480,336,800
kVarh		
MDI (kw)		780,000

Use Of System Charges	Rate (Rs.)	Amount (Rs.)
Fixed	100.150	78,117,000
Variables	0.1233 * 1	-
Total		78,117,000

Capacity Transfer Charges		820.779061	640,207,668
Energy Transfer Charges	i.	6.255859	3,004,823,226
Energy Transfer Charges	ii.	0.103296	49,616,870
Total Transfer Charges			3,694,647,764

Bill for the Month			3,772,764,764
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GST 17%			510,819,948
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Bill Adjustment			-
Arrears			-

Payable Within Due Date			4,283,584,712
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System charges are included as per NTDC tariff notified on March 17, 2006.



[Signature]
Director Finance (CPPA)