
THE KARACHI ELECTRIC SUPPLY COMPANY LTD.

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 Ref. No. CMF/NEPRA/071/ 796
 August 25, 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 JULY 2011 (REVISED)**

 For information & file
 ✓ SA (Tariff)
 - Dir (Tariff)
 cc: M(T)

This is further to our letter No. CMF/NEPRA/071/778 dated 12th August, 2011 wherein the requisite data for the monthly fuel adjustment surcharge based on units sent out (without taking into account the effect of T&D losses) for July 2011 was submitted.

The previous information for July 2011 was submitted after taking the units and cost of power purchase from NTDC on a provisional basis as the invoice for July 2011 was not received till then. The invoice for July 2011 has been received from NTDC on 20th August, 2011. The fuel component of cost of power purchase from NTDC previously taken at Rs 2876.972 million has now increased to Rs 3,260.439 million. The units purchased have also increased from 452,428,400 kWh to 507,291,600 kWh.

It is also to be pointed out that the units sent out on Gas and Furnace oil at Bin Qasim Power Station which were worked out on the basis of BTUs of Gas and FO consumption have now been revised on the basis of actual unit-wise data provided by the BQPS. The revised mechanism is to be implemented from July 2011 as discussed with the Audit Team of NEPRA.

Required Monthly Adjustment:

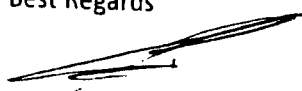
The required monthly adjustment in fuel surcharge adjustment based on units sent out for July 2011 is now as follows:

DESCRIPTION	July 2011 - Original (Over June 2011)	July 2011 - Revised (Over June 2011)
Fuel Price Variation	(32.995)	(35.363)
Power Purchase Price Variation	(28.248)	(27.384)
Total Variation	(61.243)	(62.747)

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, along with the invoice of NTDC.

Best Regards


 Abdul Rauf Yousuf
 Director (RA & SP)

 Copy to:
 Secretary, M/o Water and Power, Islamabad
 Mr. Sajjad Muhammad Qureshi, Director Tariff, NEPRA, Islamabad

 A 11/ Saad (P) is preparing working paper for date of hearing (urgently)
 29/08/11
 Registrar
 Dy. No. 4722
 Dated 26-8-11

K. E. S. C. LTD**SUMMARY OF REQUIRED ADJUSTMENT ON ACCOUNT OF VARIATION IN COST OF FUEL AND POWER PURCHASES**

DESCRIPTION	Jul-11
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1 MONTHLY ALLOWABLE ADJUSTMENT ON UNITS SENT OUT BASIS

a.	Monthly Variation In		
	I Fuel Price	Mill Rs.	(460.792)
	ii Power Purchase Price - Fuel component	Mill Rs.	(356.831)
	iii Total Monthly Variation (I + ii) - Over Reference Tariff	Mill Rs.	(817.623)
b.	Units Sent Out	Mill kWh	1,303.049
2	a. Monthly Variation In FSA - due to		
	I Fuel Price	Ps/kWh	(35.363)
	ii Power Purchase Price - Fuel component	Ps/kWh	(27.384)
	b Monthly Increase/decrease to be passed to Consumers (i+ii)	Ps/kWh	(62.747)
	c Units Sold at 23% T&D losses	Mill kWh	1,029.409
	d Increase/ Decrease in Revenue due to FSA	Mill Rs.	(645.922)
3	MONTHLY SHORTFALL/(SURPLUS) IN REVENUE (1a+ii -2d)	Mill Rs.	(171.701)

Work Sheet- Fuel Price Variation

DESCRIPTION	Jun-11	Jul-11	
1 UNITS SENT OUT - KESC			
1a UNITS SENT OUT ON GAS			
i Bin Qasim	Mill kWh	186.691	199.869
ii Korangi Thermal	Mill kWh	28.688	34.527
iii Korangi Gas 1	Mill kWh	-	-
iv Korangi Gas 2	Mill kWh	58.363	60.962
v Site Gas 1	Mill kWh	-	-
vi Site Gas 2	Mill kWh	53.909	58.040
vii Korangi combined	Mill kWh	115.507	112.424
viii Total (i to vii)	Mill kWh	443.158	465.822
1b UNITS SENT OUT ON F. OIL			
i Bin Qasim	Mill kWh	292.381	204.502
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	292.381	204.502
1c TOTAL UNITS SENT OUT (1 + 2)			
		40%	
i Bin Qasim	Mill kWh	479.073	404.372
ii Korangi Thermal	Mill kWh	28.688	34.527
iii Korangi Gas 1	Mill kWh	-	-
iv Korangi Gas 2	Mill kWh	58.363	60.962
v Site Gas 1	Mill kWh	-	-
vi Site Gas 2	Mill kWh	53.909	58.040
vii Korangi combined	Mill kWh	115.507	112.424
viii Total (i to vii)	Mill kWh	735.539	670.325
2 HEAT RATE AT BUS BAR			
2a Heat Rate of GAS - of Item 1			
i Bin Qasim	Btu/kWh	10,660	10,660
ii Korangi Thermal	Btu/kWh	13,738	13,738
iii Korangi Gas 1	Btu/kWh	17,039	17,039
iv Korangi Gas 2	Btu/kWh	9,500	9,500
v Site Gas 1	Btu/kWh	17,039	17,039
vi Site Gas 2	Btu/kWh	9,500	9,500
vii Korangi combined	Btu/kWh	9,110	9,110
2b CONVERSION FACTOR F. OIL - of Item 2			
i Bin Qasim	Kg/kWh	0.264	0.264
ii Korangi Thermal	Kg/kWh	0.340	0.340
3 FUEL PRICES			
a Fuel Prices- Gas (Rs/MMBTu)	Rs/MMBTu	393.790	393.790
b Fuel Price -F.O (Rs/Kg)	Rs/Kg	59.286	59.726
4 COST OF FUEL			
4a COST OF GAS			
i Bin Qasim	Mill Rs	782.958	838.225
ii Korangi Thermal	Mill Rs	155.200	186.788
iii Korangi Gas 1	Mill Rs	-	-
iv Korangi Gas 2	Mill Rs	218.334	228.059
v Site Gas 1	Mill Rs	-	-
vi Site Gas 2	Mill Rs	201.674	217.126
vii Korangi combined	Mill Rs	414.372	403.312
viii Total (i to vii)	Mill Rs	1,772.539	1,873.512
4b COST OF FURNACE OIL			
i Bin Qasim	Mill Rs	4,576.245	3,224.536
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	4,576.245	3,224.536
4c TOTAL COST OF FUEL			
i Bin Qasim	Mill Rs	6,359.203	4,062.761
ii Korangi Thermal	Mill Rs	155.200	186.788
iii Korangi Gas 1	Mill Rs	-	-
iv Korangi Gas 2	Mill Rs	218.334	228.059
v Site Gas 1	Mill Rs	-	-
vi Site Gas 2	Mill Rs	201.674	217.126
vii Korangi combined	Mill Rs	414.372	403.312
viii Total	Mill Rs	6,348.784	5,098.048

Work Sheet- Fuel Price Variation

	DESCRIPTION	Jun-11	Jul-11
5 COST OF FUEL PER KWH			
a Bin Qasim	Rs/kWh	11.187	10.047
b Korangi Thermal	Rs/kWh	5.410	5.410
c Korangi Gas 1	Rs/kWh	6.710	6.710
d Korangi Gas 2	Rs/kWh	3.741	3.741
e Site Gas 1	Rs/kWh	-	-
f Site Gas 2	Rs/kWh	3.741	3.741
g Korangi combined	Rs/kWh	3.587	3.587
6 INCREASE/DECREASE IN COST OF FUEL PER KWH			
a Bin Qasim	Rs/kWh	1.615	(1.140)
b Korangi Thermal	Rs/kWh	0.000	-
c Korangi Gas 1	Rs/kWh	-	-
d Korangi Gas 2	Rs/kWh	0.000	-
e Site Gas 1	Rs/kWh	-	-
f Site Gas 2	Rs/kWh	0.000	-
g Korangi combined	Rs/kWh	0.000	-
7 INCREASE / DECREASE IN FUEL COST OVER PREVIOUS MONTH			
a Bin Qasim	Mill Rs	773.494	(460.792)
b Korangi Thermal	Mill Rs	0.000	-
c Korangi Gas 1	Mill Rs	-	-
d Korangi Gas 2	Mill Rs	0.000	-
e Site Gas 1	Mill Rs	-	-
f Site Gas 2	Mill Rs	-	-
g Korangi combined	Mill Rs	(0.000)	-
h Total (a to g)	Mill Rs	(0.000)	-
8 INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS			
a Fuel price variation (item 7-h)	Mill Rs	773.494	(460.792)
b Units Sent Out - KESC	Mill kWh	735.539	670.325
c Power Purchase	Mill kWh	648.806	632.724
d Total Units Sent Out (b + c)	Mill kWh	1,384.345	1,303.049
e Increase / Decrease in Tariff (8a / 8d x 100) To be passed on to the consumers - FSA	Ps/kWh	55.874	(35.363)
9 INCREASE / DECREASE IN REVENUE			
a Units Sold	Mill kWh	1,065.946	1,029.409
b Increase / Decrease in Tariff	Ps/kWh	55.874	(35.363)
c Increase / Decrease in Revenue (9a / 9b x 100)	Mill Rs	595.590	(364.026)
d Accumulated Increase / decrease in revenue	Mill Rs	227.311	(364.026)
e Unrecovered Cost due to 23% T&D loss			

Work Sheet- Power Purchase Cost Variation

DESCRIPTION		Jun-11	Jul-11
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1 POWER PURCHASES

- a KANUPP
- b PASMIC
- c TAPAL
- d GUL AHMED
- e NTDC/WAPDA
- f ANOUD POWER
- g DHA CO-GEN
- h INT IND (IIL)
- i KH FAMA
- j AGGREKO
- k ENGRO
- l AL-ABBAS
- m TOTAL

Mill kWh	22.207	46.800
Mill kWh	1.619	0.941
Mill kWh	68.826	55.378
Mill kWh	63.261	9.745
Mill kWh	480.337	507.292
Mill kWh	5.279	4.712
Mill kWh	-	-
Mill kWh	7.277	7.856
Mill kWh	-	-
Mill kWh	-	-
Mill kWh	-	-
Mill kWh	-	-
Mill kWh	-	-
Mill kWh	648.806	632.724

2 COST OF POWER PURCHASE - FUEL COST

- a KANUPP
- b PASMIC
- c TAPAL
- d GUL AHMED
- e NTDC/WAPDA
- f ANOUD POWER
- g DHA CO-GEN
- h INT IND (IIL)
- i KH FAMA
- j AGGREKO
- k ENGRO
- l AL-ABBAS
- m TOTAL

Mill Rs	201.948	376.347
Mill Rs	14.722	7.571
Mill Rs	913.874	742.895
Mill Rs	863.768	135.338
Mill Rs	3,007.197	3,260.439
Mill Rs	53.836	47.767
Mill Rs	-	-
Mill Rs	27.212	29.395
Mill Rs	-	-
Mill Rs	-	-
Mill Rs	-	-
Mill Rs	-	-
Mill Rs	5,082.557	4,599.751

3 COST OF POWER PURCHASE- Fuel Cost/kWh

- a KANUPP
- b PASMIC
- c TAPAL
- d GUL AHMED
- e NTDC/WAPDA
- f ANOUD POWER
- g DHA CO-GEN
- h INT IND (IIL)
- i KH FAMA
- j AGGREKO
- k ENGRO
- l AL-ABBAS
- m AVERAGE

Rs/kWh	9.094	8.042
Rs/kWh	9.094	8.042
Rs/kWh	13.278	13.415
Rs/kWh	13.654	13.888
Rs/kWh	6.2606	6.427
Rs/kWh	10.198	10.136
Rs/kWh	-	-
Rs/kWh	3.740	3.742
Rs/kWh	-	-
Rs/kWh	-	-
Rs/kWh	-	-
Rs/kWh	-	-
Rs/kWh	7.834	7.270

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)
- b Reference Rate - Previous Month
- c Increase / Decrease in Average Rate of Power Purchase (4a-4b)
- d Total Power Purchase (Item 1m)
- e Increase / Decrease in Fuel Cost of Power Purchase (4c*4d)

Rs/kWh	7.834	7.270
Rs/kWh	8.355	7.834
Rs/kWh	(0.521)	(0.564)
Mill kWh	648.806	632.724
Mill Rs	(338.149)	(356.831)

5 INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS

- a Fuel price variation in cost of power purchase (Item 4a)
- b Units Sent Out - KESC
- c Power Purchase
- d Total Units Sent Out (b + c)
- e Increase / Decrease in Tariff (5a / 5d x 100)
To be passed on to the consumers - FSA

Mill kWh	(338.149)	(356.831)
Mill kWh	735.539	670.325
Mill kWh	648.806	632.724
Mill kWh	1,384.345	1,303.049

Ps/kWh	(24.427)	(27.384)
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6 INCREASE / DECREASE IN REVENUE

- a Units Sold
- b Increase / Decrease in Tariff (Item 5e)
- c Increase / Decrease in Revenue (6a / 6b x 100)
- d Accumulated increase / decrease in revenue
- e Unrecovered Cost due to 21% T&D loss

Mill kWh	1,065.946	1,029.409
Ps/kWh	(24.427)	(27.384)
Mill Rs	(260.374)	(281.896)
Mill Rs	(314.711)	(281.896)

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STATION-WISE GENERATION AND SENT OUT - ACTUAL

DESCRIPTION	Jun-11	Jul-11
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1 Units Generated

Mill kwh

i Bin Qasim	511 222990	431 864960
ii Korangi Thermal	33 000000	39 100000
iii Korangi Town Gas Turb I	-	-
iv Korangi Town Gas Turb II	58 740550	62 357647
v Site Gas Turbine I	-	-
vi Site Gas Turbine II	55 242994	59 419972
vii Korangi CCPP	124 115451	121 128087
viii Total KESC	783.321985	713.870666

2 Units Sent out

Mill kwh

i Bin Qasim	468 928350	394 837740
ii Korangi Thermal	28 688220	34 527240
iii Korangi Town Gas Turb I	-	-
iv Korangi Town Gas Turb II	58 382508	60 962072
v Site Gas Turbine I	-	-
vi Site Gas Turbine II	53 909100	58 039600
vii Korangi CCPP	115 506820	112 423826
viii Total KESC	725.394998	660.790478

3 Auxiliary Consumption

Mill kwh

i Bin Qasim	42 294640	37 027220
ii Korangi Thermal	4 311780	4 572760
iii Korangi Town Gas Turb I	-	-
iv Korangi Town Gas Turb II	-	-
v Site Gas Turbine I	1 378042	1 395575
vi Site Gas Turbine II	-	-
vii Korangi CCPP	1 333894	1 380372
viii Total KESC	8 608631	8 704261
	57.926987	53.080188

4 Auxiliary Consumption

i Bin Qasim	8.3%	8.6%
ii Korangi Thermal	13.1%	11.7%
iii Korangi Town Gas Turb I	0.0%	0.0%
iv Korangi Town Gas Turb II	2.3%	2.2%
v Site Gas Turbine I	0.0%	0.0%
vi Site Gas Turbine II	2.4%	2.3%
vii Korangi CCPP	6.9%	7.2%
viii Total KESC	7.4%	7.4%

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

DESCRIPTION	Jun-11	Jul-11
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5 Units Sent out

Mill kwh

i Bin Qasim	479 072696	404 371817
ii Korangi Thermal	28 688220	34 527240
iii Korangi Town Gas Turb I	-	-
iv Korangi Town Gas Turb II	58 382508	60 962072
v Site Gas Turbine I	-	-
vi Site Gas Turbine II	53 909100	58 039600
vii Korangi CCPP	115 506820	112 423826
viii Total KESC	735.539344	670.324555

6 Auxiliary Consumption

Mill kwh

i Bin Qasim	32 150294	27 493143
ii Korangi Thermal	4 311780	4 572760
iii Korangi Town Gas Turb I	-	-
iv Korangi Town Gas Turb II	-	-
v Site Gas Turbine I	1 378042	1 395575
vi Site Gas Turbine II	-	-
vii Korangi CCPP	1 333894	1 380372
viii Total KESC	8 608631	8 704261
	47.782641	43.546111

7 Auxiliary Consumption at 6.1%

i Bin Qasim	6.3%	6.4%
ii Korangi Thermal	13.1%	11.7%
iii Korangi Town Gas Turb I	0.0%	0.0%
iv Korangi Town Gas Turb II	2.3%	2.2%
v Site Gas Turbine I	0.0%	0.0%
vi Site Gas Turbine II	2.4%	2.3%
vii Korangi CCPP	6.9%	7.2%
viii Total KESC	6.1%	6.1%

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STATION-WISE GENERATION AND SENT OUT - ACTUAL

DESCRIPTION	Jun-11	Jul-11
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WORKING OF GENERATION ON GAS AND FURNACE OIL AND COST OF FUEL

DESCRIPTION	Jun-11	Jul-11
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8 Fuel Consumption at BQPS

a Gas Consumption

000 CM	63,517,421	66,509,822
MMCF	2,254,481	2,360,693
MMCFD	75.15	78.69
BTU/MCF	916,210	911,320
Million BTU	2,065,578	2,151,347
	39.0%	48.4%

b Furnace Oil consumption

M Ton	80,169.13	56,883.20
BTU/M Ton	40,351,500	40,351,500
Million BTU	3,234,945	2,295,322
	61.0%	51.6%

c Total fuel consumption

Million BTU	5,300,523	4,446,670
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Actual Unit-wise Generation on Gas

213,458,566

Actual Unit-wise Generation on Furnace Oil

49,433

218,406,394

Total actual generation at Bin Qasim

50,57%

431,864,960

9 Sent out - BQPS

a On gas

Mill kWh	186,691,428	199,869,488
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b On Furnace Oil

Mill kWh	292,381,268	204,502,330
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Mill kWh	479,072,696	404,371,817
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10 Generation on Gas

- i Bin Qasim
- ii Korangi Thermal
- iii Korangi Town Gas Turb I
- iv Korangi Town Gas Turb II
- v Site Gas Turbine I
- vi Site Gas Turbine II
- vii Korangi CCGP
- viii Total KESC

Mill kWh	186,691,428	199,869,488
	28,688,220	34,527,240
	58,362,508	60,962,072
	53,909,100	58,039,600
	115,506,820	112,423,826
	443,158,076	465,822,226
	292,381,268	204,502,330
	735,539,344	670,324,555
	39.8%	30.5%

11 Generation on F.Oil - BQPS

12 Total Generation at Bus Bar

13 Price of Gas

a Gas Consumption

- i Bin Qasim
- ii Korangi Thermal
- iii Korangi Town Gas Turb I
- iv Korangi Town Gas Turb II
- v Site Gas Turbine I
- vi Site Gas Turbine II
- vii Korangi CCGP
- viii Total KESC

Mill Btu	2,065,578	2,151,347
Mill Btu	439,296	512,131
Mill Btu	-	-
Mill Btu	579,633	600,270
Mill Btu	-	-
Mill Btu	523,791	562,790
Mill Btu	1,073,852	1,039,973
Mill Btu	4,682,150	4,866,511

b Cost of Gas Consumed - of item 13a

- i Bin Qasim
- ii Korangi Thermal
- iii Korangi Town Gas Turb I
- iv Korangi Town Gas Turb II
- v Site Gas Turbine I
- vi Site Gas Turbine II
- vii Korangi CCGP
- viii Total KESC

Mill Rs.	813,414	847,182
Mill Rs.	172,991	201,672
Mill Rs.	-	-
Mill Rs.	228,255	236,381
Mill Rs.	-	-
Mill Rs.	206,284	221,822
Mill Rs.	422,872	409,529
Mill Rs.	1,843,796	1,916,388

c Gas Price (Item 13b / Item 13a)

- i Bin Qasim
- ii Korangi Thermal
- iii Korangi Town Gas Turb I
- iv Korangi Town Gas Turb II
- v Site Gas Turbine I
- vi Site Gas Turbine II
- vii Korangi CCGP
- viii Total KESC

Rs/Mill Btu	393.79	393.79
Rs/Mill Btu	393.79	393.79
Rs/Mill Btu	-	-
Rs/Mill Btu	393.79	393.79
Rs/Mill Btu	-	-
Rs/Mill Btu	393.79	393.79
Rs/Mill Btu	393.79	393.79
Rs/Mill Btu	393.79	393.79

14 Price of Furnace Oil

- a Quantity
- b Cost of Furnace Oil
- c Furnace oil Price

M Ton	80,169.13	56,883.20
Mill Rs.	4,752,947	3,397,418
Rs/M Ton	59,286.50	59,726.22

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Break of Cost of Power Purchases

DESCRIPTION		Jun-11	Jul-11
1 KANUPP			
Units Purchased	Mill kWh		
Fuel Cost	Mill Rs	22.206624	46.799808
Variable O & M	Mill Rs	201.947927	376.347435
Total Cost	Mill Rs	11.515911	24.269444
	Mill Rs	213.463838	400.616879
RATE OF PURCHASE FROM KANUPP			
Fuel Cost	Rs/kWh	9.094040	8.041645
Variable O & M	Rs/kWh	0.518580	0.518580
Total Cost	Rs/kWh	9.612620	8.560225
2 PASMIC			
Units Purchased	Mill kWh		
Fuel Cost	Mill Rs	1.618899	0.941415
Variable O & M	Mill Rs	14.722332	7.570525
Total Cost	Mill Rs	2.080884	1.210067
	Mill Rs	16.803216	8.780592
RATE OF PURCHASE FROM PASMIC			
Fuel Cost	Rs/kWh	9.094040	8.041645
Variable O & M	Rs/kWh	1.285370	1.285370
Total Cost	Rs/kWh	10.379410	9.327015
3 Tapal Energy Ltd.			
Units Purchased	Mill kWh		
Fuel cost	Mill Rs	68.826100	55.378100
Variable O & M	Mill Rs	913.873629	742.894713
Total Energy Purchase Price	Mill Rs	54.427680	44.452001
Capacity Purchase Price	Mill Rs	968.301309	787.346714
Total Cost	Mill Rs	110.830938	111.538815
Payment of WWF for the year ended June 30 2009 and 2010	Mill Rs	1,079.132247	898.885529
Payment of WPPF for the year ended June 30 2009 and 2010		-	-
Total Cost		1,079.132247	898.885529
RATE OF PURCHASE FROM TAPAL			
Fuel cost	Rs/kWh	13.278	13.415
Variable O & M	Rs/kWh	0.791	0.803
Total Energy Purchase Price	Rs/kWh	14.069	14.218
Capacity Purchase Price	Rs/kWh	1.610	2.014
Total Cost	Rs/kWh	15.679	16.232
Adj of WPPF and WWF for the year ended June 30 2009 and 2010		15.679	16.232
4 Gul Ahmed Energy Ltd.			
Units Purchased	Mill kWh		
Fuel cost	Mill Rs	63.261312	9.744768
Variable O & M	Mill Rs	863.767873	135.337533
Total Energy Purchase Price	Mill Rs	29.201422	4.566398
Capacity Purchase Price	Mill Rs	892.969295	139.903931
Total Cost	Mill Rs	100.399850	101.377175
Payment of WWF for the year ended June 30 2009 and 2010	Mill Rs	993.369145	241.281106
Payment of WPPF for the year ended June 30 2009 and 2010		-	-
Total Cost		993.369145	241.281106
RATE OF PURCHASE FROM GUL AHMED			
Fuel cost	Rs/kWh	13.654	13.888
Variable O & M	Rs/kWh	0.462	0.469
Total Energy Purchase Price	Rs/kWh	14.116	14.357
Capacity Purchase Price	Rs/kWh	1.587	10.403
Total Cost	Rs/kWh	15.703	24.760
Adj of WPPF and WWF for the year ended June 30 2009 and 2010			
5 NTDC/WAPDA			
Units Imported	Mill kWh	480.336800	507.291600
Maximum Demand	MW	780	800
Use of system charges	Mill Rs	78.117000	80.120000
Energy Transfer Charges			
- Capacity Transfer charges	Mill Rs	640.207668	651.170641
- Energy Transfer Charges I	Mill Rs	3,004.823226	3,201.705493
- Energy Transfer Charges II	Mill Rs	49.616870	58.733207
Adjustment for Finance Cost to IPPs		(47.243526)	
Total Energy Transfer Charges	Mill Rs	3,694.647764	3,911.609341
Total Cost without GST	Mill Rs	3,772.764764	3,991.729341
GST @ 16%	Mill Rs	510.819948	512.272879
Total Cost With GST	Mill Rs	4,283.584712	4,504.002220

K E S C LTD.

Break of Cost of Power Purchases

DESCRIPTION	Jun-11	Jul-11	
<u>RATE OF PURCHASE FROM NTDC</u>			
Use of system charges	Rs/kWh	0.163	0.158
Energy Transfer Charges	Rs/kWh	1.333	1.284
- Capacity Transfer charges	Rs/kWh	6.2557	6.311
- Energy Transfer Charges I	Rs/kWh	0.1033	0.116
- Energy Transfer Charges II	Rs/kWh	(0.0984)	
Adjustment for Finance Cost	Rs/kWh	7.692	7.711
Total Energy Transfer Charges	Rs/kWh	7.854	7.869
Total Cost without GST	Rs/kWh	1.063	1.010
GST @ 16%	Rs/kWh		
Total Cost With GST	Rs/kWh	8.918	8.879

6 ANOUD Power

Units Purchased	Mill kWh	5.279084	4.712445
Energy Charges	Mill Rs	53.836099	47.767227
Variable O & M	Mill Rs	8.629191	7.702963
Total Cost	Mill Rs	62.465289	55.470190
GST @ 16%	Mill Rs	10.619099	8.875230
		73.084389	64.345421

RATE OF PURCHASE FROM ANOUD POWER

Energy Charges	Rs/kWh	10.198000	10.136400
Variable O & M	Rs/kWh	1.634600	1.634600
Total Cost	Rs/kWh	11.832600	11.771000

7 DHA Co-gen

Units Purchased	Mill kWh		
Energy Charges-Fuel	Mill Rs		
Variable O&M	Mill Rs		
Fixed Charges	Mill Rs		
Total Cost	Mill Rs		

RATE OF PURCHASE FROM DHA CO-GEN

Energy Charges	Rs/kWh		
Variable O & M	Rs/kWh		
Fixed Charges	Rs/kWh		
Total Cost	Rs/kWh		

8 IIL INDUSTRIES - Original Invoice

Units Purchased	Mill kWh	7.005982	7.642146
Fuel Cost	Mill Rs	26.251415	28.635121
Variable and other charges	Mill Rs	10.747176	11.723052
Differential due to increase in borrowing cost	Mill Rs	0.259221	0.298044
Amount excluding GST	Mill Rs	37.257812	40.656217
GST @ 16%	Mill Rs	6.333828	6.504995
Amount payable with GST	Mill Rs	43.591640	47.161212

Rate of Purchase from IIL Industries

Fuel Cost	Rs/kWh	3.747000	3.747000
Variable and other charges	Rs/kWh	1.534000	1.534000
Differential due to increase in borrowing cost	Rs/kWh	0.037000	0.039000
Rate excluding GST	Rs/kWh	5.318000	5.320000
GST @ 16%	Rs/kWh	0.904060	0.851200
Rate with GST	Rs/kWh	6.222060	6.171200

IIL Industries - Verified for Payment

Units Purchased	Mill kWh	7.005982	7.642146
Fuel Cost	Mill Rs	26.251415	28.635121
Variable and other charges	Mill Rs	10.747176	11.723052
Differential due to increase in borrowing cost	Mill Rs	0.259221	0.298044
Amount excluding GST	Mill Rs	37.257812	40.656217
GST @ 17%	Mill Rs	6.333828	6.504995
Amount payable with GST	Mill Rs	43.591640	47.161212

Rate of Purchase from IIL Industries

Fuel Cost	Rs/kWh	3.747000	3.747000
Variable and other charges	Rs/kWh	1.534000	1.534000
Differential due to increase in borrowing cost	Rs/kWh	0.037000	0.039000
Rate excluding GST	Rs/kWh	5.318000	5.320000
GST @ 16%	Rs/kWh	0.904060	0.851200
Rate with GST	Rs/kWh	6.222060	6.171200

K E S C LTD.

Break of Cost of Power Purchases

DESCRIPTION		Jun-11	Jul-11
11. IL INDUSTRIES 4 MW- Original Invoice			
Units Purchased	Mil kWh	0 270702	0 214133
Fuel Cost	Mil Rs	0 960721	0 759744
Variable and other charges	Mil Rs	0 449907	0 355889
Differential due to increase in borrowing cost	Mil Rs	-	-
Amount excluding GST	Mil Rs	1 410628	1 115633
GST @ 16%	Mil Rs	0 239807	0 179501
Amount payable with GST	Mil Rs	1 650435	1 294134
Rate of Purchase from IL Industries			
Fuel Cost	Rs/kWh	3 549000	3 548000
Variable and other charges	Rs/kWh	1 662000	1 662000
Differential due to increase in borrowing cost	Rs/kWh	-	-
Rate excluding GST	Rs/kWh	5 211000	5 210000
GST @ 16%	Rs/kWh	0 885870	0 833800
Rate with GST	Rs/kWh	6 096870	6 043800
11. IL INDUSTRIES 4 MW- Verified for Payment			
Units Purchased	Mil kWh	0 270702	0 214133
Fuel Cost	Mil Rs	0 960721	0 759744
Variable and other charges	Mil Rs	0 449907	0 355889
Differential due to increase in borrowing cost	Mil Rs	-	-
Amount excluding GST	Mil Rs	1 410628	1 115633
GST @ 16%	Mil Rs	0 239807	0 179501
Amount payable with GST	Mil Rs	1 650435	1 294134
Rate of Purchase from IL Industries			
Fuel Cost	Rs/kWh	3 549000	3 548000
Variable and other charges	Rs/kWh	1 662000	1 662000
Differential due to increase in borrowing cost	Rs/kWh	-	-
Rate excluding GST	Rs/kWh	5 211000	5 210000
GST @ 16%	Rs/kWh	0 885870	0 833800
Rate with GST	Rs/kWh	6 096870	6 043800
11. IL INDUSTRIES COMBINED - Verified for Payment			
Units Purchased	Mil kWh	7 278884	7 850279
Fuel Cost	Mil Rs	27 212138	29 394865
Variable and other charges	Mil Rs	11 197083	12 078041
Differential due to increase in borrowing cost	Mil Rs	0 258221	0 288044
Amount excluding GST	Mil Rs	38 668440	41 771850
GST @ 17%	Mil Rs	6 573835	7 101214
Amount payable with GST	Mil Rs	45 242275	48 873064
RATE OF PURCHASE FROM IL			
Fuel Cost	Rs/kWh	3 738034	3 741576
Variable and other charges	Rs/kWh	1 538762	1 537489
Differential due to increase in borrowing cost	Rs/kWh	0 035624	0 037837
Rate excluding GST	Rs/kWh	5 314019	5 317602
GST @ 17%	Rs/kWh	0 803383	0 803890
Rate with GST	Rs/kWh	6 217403	6 220892
12 KH FAMA			
Units Purchased	Mil kWh		
Total Cost	L-R Rs		
10 AGGREKO			
Units Purchased	Mil kWh		
Fuel Cost	Mil Rs		
Fixed cost	Mil Rs		
Total Cost	Mil Rs		
Currency Adjustment			
Custom duty Payment			
Mobilization Advance Payment			
Rate of Purchase from AGGREKO			
Fuel Cost	Rs/kWh		
Fixed cost	Rs/kWh		
Total Cost	Rs/kWh		
Currency Adjustment			
Custom duty Payment			
Mobilization Advance Payment			
Total Cost			
11 ENGR0			
Units Purchased	Mil kWh		
Fuel Cost	Mil Rs		
Variable O & M	Mil Rs		
Total Cost	Mil Rs		
GST @ 17%			
Total Cost with GST			
RATE OF PURCHASE FROM ENGR0			
Fuel Cost	Rs/kWh		
Variable O & M	Rs/kWh		
Total Cost	Rs/kWh		
12 AL-ABBAS			
Units Purchased	Mil kWh		
Energy Charges	Mil Rs		
Variable & Other charges	Mil Rs		
Total Energy Purchase Price	Mil Rs		
Capacity Purchase Price	Mil Rs		
Total Cost	Mil Rs		
GST @ 17%			
RATE OF PURCHASE FROM AL-ABBAS			
Fuel cost	Rs/kWh		
Variable O & M	Rs/kWh		
Total Energy Purchase Price	Rs/kWh		
Capacity Purchase Price	Rs/kWh		
Total Cost	Rs/kWh		

FROM : CDD CPPA

FAX NO. : 0092 42 9203996

Aug. 20 2011 11:24AM P1



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

Power / Electricity Sales Bill (Provisional)

NTDC GST No. 03-00-2710-006-73

KESC GST No. 1200271000728

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

Billing Month	July-11
Reading Date	31-07-2011
Issue Date	19-08-2011
Due Date	03-09-2011

Description					
Energy (kWh)					507,291,600
kVar-h					
MDI (kw)					800,000

Use Of System Charges		Rate (Rs.)	Amount (Rs.)
Fixed		100.150	80,120,000
Variable		0.1233 * 1	
Total			80,120,000

Capacity Transfer Charges		813.963301	661,170,641
Energy Transfer Charges	i.	6.311371	3,201,705,493
Energy Transfer Charges	ii.	0.115778	58,733,207
Total Transfer Charges			3,911,609,341

Bill for the Month					3,991,729,341
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GST 18%					612,272,879
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Bill Adjustment					
Arroars					

Payable Within Due Date					4,504,002,220
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System charges are included as per NTDC tariff notified on March 17, 2006.

GROUP CFO
22 AUG 2011
KESC LTD.

Stamp: RECEIVED
2011
22/08/11

[Signature]
Director Finance (CPPA)