

KESC

THE KARACHI ELECTRIC SUPPLY COMPANY LTD.

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Ref. No. CMF/NEPRA/071/ /
February 23, 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 JANUARY 2011.**

This is further to our letter no. CMF/NEPRA/071/573 dated 10th February, 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 January 2011 was submitted.

The previous information for January 2011 was submitted after taking the cost of power purchase from NTDC on a provisional basis as the invoice for January 2011 was not received till then. The invoice for January 2011 dated 17th February, 2011 has been received from NTDC on 18th February, 2011. The fuel component of cost of power purchase from NTDC previously taken at Rs 2,724,531,603 has now increased to Rs 3,613,203,273.

Required Monthly Adjustment:

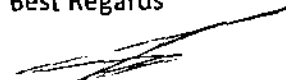
The required monthly adjustment in fuel surcharge adjustment based on units sent out for January 2011 is now as follows;

DESCRIPTION	January 2011 (Over December 2010)	January 2011 - Revised (Over December 2010)
Fuel Price Variation	(18.776)	(18.776)
Power Purchase Price Variation	13.501	107.598
Total Variation	(5.724)	88.822

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. Zaheer Mir, Senior Adviser Tariff, NEPRA, Islamabad

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K. E. S. C. LTD

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

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

a. Monthly Variation in		
i Fuel Price	Mill Rs.	(176.479)
ii Power Purchase Price - Fuel component	Mill Rs.	1,011.347
iii Total Monthly Variation (i + ii) - Over Reference Tariff	Mill Rs.	834.868
b. Units Sent Out	Mill kWh	939.935
2 a. Monthly Variation in FSA - due to		
i Fuel Price	Ps/kWh	(18.776)
ii Power Purchase Price - Fuel component	Ps/kWh	107.598
b Monthly increase/decrease to be passed to Consumers (i+ii)	Ps/kWh	88.822
c Units Sold at 23% T&D losses	Mill kWh	723.750
d Increase/ Decrease in Revenue due to FSA	Mill Rs.	642.848
3 MONTHLY SHORTFALL/(SURPLUS) IN REVENUE (1a+ii -2d)	Mill Rs.	192.020

Work Sheet- Fuel Price Variation

	Dec-10	Jan-11	
DESCRIPTION			
1 UNITS SENT OUT - KESC			
1a UNITS SENT OUT ON GAS			
i Bin Qasim	Mill kWh	99,652	136,307
ii Korangi Thermal	Mill kWh	(0,336)	(0,334)
iii Korangi Gas 1	Mill kWh	-	-
iv Korangi Gas 2	Mill kWh	47,854	39,415
v Site Gas 1	Mill kWh	-	-
vi Site Gas 2	Mill kWh	41,044	15,951
vii Korangi combined	Mill kWh	74,758	75,556
viii Total (i to vii)	Mill kWh	262,972	266,894
1b UNITS SENT OUT ON F. OIL			
i Bin Qasim	Mill kWh	101,438	84,285
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	101,438	84,285
1c TOTAL UNITS SENT OUT (1 + 2)			
i Bin Qasim	Mill kWh	201,090	220,592
ii Korangi Thermal	Mill kWh	(0,336)	(0,334)
iii Korangi Gas 1	Mill kWh	-	-
iv Korangi Gas 2	Mill kWh	47,854	39,415
v Site Gas 1	Mill kWh	-	-
vi Site Gas 2	Mill kWh	41,044	15,951
vii Korangi combined	Mill kWh	74,758	75,556
viii Total (i to vii)	Mill kWh	364,409	351,179
2 HEAT RATE AT BUS BAR			
2a Heat Rate of GAS - of item 1			
i Bin Qasim	Btu/kWh	10,650	10,650
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	393.79	393.79
b. Fuel Price -F.O (Rs/Kg)	Rs/Kg	44,781	46,102
4 COST OF FUEL			
4a COST OF GAS			
i Bin Qasim	Mill Rs	417,932	571,660
ii Korangi Thermal	Mill Rs	(1,816)	(1,805)
iii Korangi Gas 1	Mill Rs	-	-
iv Korangi Gas 2	Mill Rs	179,023	147,451
v Site Gas 1	Mill Rs	-	-
vi Site Gas 2	Mill Rs	153,547	59,670
vii Korangi combined	Mill Rs	268,189	271,053
viii Total (i to vii)	Mill Rs	1,016,876	1,048,029
4b COST OF FURNACE OIL			
i Bin Qasim	Mill Rs	1,199,196	1,025,823
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	1,199,196	1,025,823
4c TOTAL COST OF FUEL			
i Bin Qasim	Mill Rs	1,617,128	1,697,483
ii Korangi Thermal	Mill Rs	(1,816)	(1,805)
iii Korangi Gas 1	Mill Rs	-	-
iv Korangi Gas 2	Mill Rs	179,023	147,451
v Site Gas 1	Mill Rs	-	-
vi Site Gas 2	Mill Rs	153,547	59,670
vii Korangi combined	Mill Rs	268,189	271,053
viii Total	Mill Rs	2,216,072	2,073,853

Work Sheet- Fuel Price Variation

		Dec-10	Jan-11
5 COST OF FUEL PER KWH			
a Bin Qasim	Rs/kWh	8.042	7.242
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		(0.800)
b Korangi Thermal	Rs/kWh		(0.000)
c Korangi Gas 1	Rs/kWh		0.000
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		(176.479)
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		(0.000)
g Korangi combined	Mill Rs		(0.000)
h Total (a to g)	Mill Rs		(176.479)
8 INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS			
a Fuel price variation (item 7-h)	Mill Rs	-	(176.479)
b Units Sent Out - KESC	Mill kWh	364.409	351.179
c Power Purchase	Mill kWh	585.244	588.756
d Total Units Sent Out (b + c)	Mill kWh	949.654	939.935
e Increase / Decrease in Tariff (8a / 8d x 100) To be passed on to the consumers - FSA	Ps/kWh	-	(18.776)
9 INCREASE / DECREASE IN REVENUE			
a Units Sold	Mill kWh		723.750
b Increase / Decrease in Tariff	Ps/kWh		(18.776)
c Increase / Decrease in Revenue (9a / 9b x 100)	Mill Rs		(135.889)
d Accumulated increase / decrease in revenue	Mill Rs		(135.889)

Work Sheet- Power Purchase Cost Variation

DESCRIPTION		Dec-10	Jan-11
1 POWER PURCHASES			
a	KANUPP	Mill kWh	-
b	PASMIC	Mill kWh	7.927
c	TAPAL	Mill kWh	55.349
d	GUL AHMED	Mill kWh	42.509
e	NTDC/WAPDA	Mill kWh	463.209
f	ANOUD POWER	Mill kWh	5.961
g	DHA CO-GEN	Mill kWh	-
h	INT IND (IIL)	Mill kWh	9.595
i	KH FAMA	Mill kWh	-
j	AGGREKO	Mill kWh	-
k	ENGRO	Mill kWh	0.058
l	AL-ABBAS	Mill kWh	1.962
m	TOTAL	Mill kWh	585.244
2 COST OF POWER PURCHASE - FUEL COST			
a	KANUPP	Mill Rs	-
b	PASMIC	Mill Rs	38.341
c	TAPAL	Mill Rs	543.292
d	GUL AHMED	Mill Rs	442.609
e	NTDC/WAPDA	Mill Rs	2.644.858
f	ANOUD POWER	Mill Rs	47.083
g	DHA CO-GEN	Mill Rs	-
h	INT IND (IIL)	Mill Rs	35.860
i	KH FAMA	Mill Rs	-
j	AGGREKO	Mill Rs	0.046
k	ENGRO	Mill Rs	-
l	AL-ABBAS	Mill Rs	15.830
m	TOTAL	Mill Rs	3.767.919
3 COST OF POWER PURCHASE- Fuel Cost/kWh			
a	KANUPP	Rs/kWh	-
b	PASMIC	Rs/kWh	4.837
c	TAPAL	Rs/kWh	10.046
d	GUL AHMED	Rs/kWh	10.412
e	NTDC/WAPDA	Rs/kWh	5.710
f	ANOUD POWER	Rs/kWh	7.899
g	DHA CO-GEN	Rs/kWh	-
h	INT IND (IIL)	Rs/kWh	3.737
i	KH FAMA	Rs/kWh	-
j	AGGREKO	Rs/kWh	#DIV/0!
k	ENGRO	Rs/kWh	-
l	AL-ABBAS	Rs/kWh	8.069
m	AVERAGE	Rs/kWh	6.438
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	8.156
b	Reference Rate - Previous Month	Rs/kWh	6.438
c	Increase / Decrease in Average Rate of Power Purchase (4a-4b)	Rs/kWh	1.718
d	Total Power Purchase (Item 1m)	Mill kWh	588.756
e	Increase / Decrease in Fuel Cost of Power Purchase (4c*4d)	Mill Rs	1.011.347
5 INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS			
a	Fuel price variation in cost of power purchase (Item 4a)		1,011.347
b	Units Sent Out - KESC	Mill kWh	364.409
c	Power Purchase	Mill kWh	585.244
d	Total Units Sent Out (b + c)	Mill kWh	949.654
e	Increase / Decrease in Tariff (5a / 5d x 100) To be passed on to the consumers - FSA	Ps/kWh	107.598
6 INCREASE / DECREASE IN REVENUE			
a	Units Sold	Mill kWh	723.750
b	Increase / Decrease in Tariff (item 5e)	Ps/kWh	107.598
c	Increase / Decrease in Revenue (6a / 6b x100)	Mill Rs	778.737
d	Accumulated increase / decrease in revenue	Mill Rs	778.737

K E S C LTD.

Break of Cost of Power Purchases

DESCRIPTION		Dec-10	Jan-11
1 KANUPP			
Units Purchased	Mill kWh	-	-
Fuel Cost	Mill Rs	-	-
Variable O & M	Mill Rs	-	-
Total Cost	Mill Rs	-	-
RATE OF PURCHASE FROM KANUPP		91.950955	152.956294
Fuel Cost	Rs/kWh	6.630210	7.145280
Variable O & M	Rs/kWh	0.518580	0.518580
Total Cost	Rs/kWh	#DIV/0!	#DIV/0!
2 PASMIC			
Units Purchased	Mill kWh	7.926724	6.712408
Fuel Cost	Mill Rs	38.341485	47.962037
Variable O & M	Mill Rs	1.165228	11.128971
Total Cost	Mill Rs	39.506713	59.091008
RATE OF PURCHASE FROM PASMIC			
Fuel Cost	Rs/kWh	4.836990	7.145280
Variable O & M	Rs/kWh	0.147000	1.657970
Total Cost	Rs/kWh	4.983990	8.803250
3 Tapal Energy Ltd.			
Units Purchased	Mill kWh	54.082400	55.349200
Fuel cost	Mill Rs	543.292331	571.083814
Variable O & M	Mill Rs	41.724572	43.770147
Total Energy Purchase Price	Mill Rs	585.016902	614.853961
Capacity Purchase Price	Mill Rs	109.749065	111.001294
Total Cost	Mill Rs	694.765967	725.855255
RATE OF PURCHASE FROM TAPAL			
Fuel cost	Rs/kWh	10.046	10.318
Variable O & M	Rs/kWh	0.772	0.791
Total Energy Purchase Price	Rs/kWh	10.817	11.109
Capacity Purchase Price	Rs/kWh	2.029	2.005
Total Cost	Rs/kWh	12.846	13.114
4 Gul Ahmed Energy Ltd.			
Units Purchased	Mill kWh	42.508824	45.865531
Fuel cost	Mill Rs	442.608593	488.972619
Variable O & M	Mill Rs	19.145974	21.171529
Total Energy Purchase Price	Mill Rs	461.754567	510.144148
Capacity Purchase Price	Mill Rs	98.852369	100.494786
Total Cost	Mill Rs	560.606936	610.638934
RATE OF PURCHASE FROM GUL AHMED			
Fuel cost	Rs/kWh	10.412	10.661
Variable O & M	Rs/kWh	0.450	0.462
Total Energy Purchase Price	Rs/kWh	10.863	11.123
Capacity Purchase Price	Rs/kWh	2.325	2.191
Total Cost	Rs/kWh	13.188	13.314
5 NTDC/WAPDA			
Units imported	Mill kWh	463.209000	468.144000
Maximum Demand	MW	750	750
Use of system charges	Mill Rs	75.112500	75.112500
Energy Transfer Charges			
- Capacity Transfer charges	Mill Rs	571.630118	659.623888
- Energy Transfer Charges I	Mill Rs	2,607.843046	3,545.719847
- Energy Transfer Charges II	Mill Rs	87.967558	67.483426
Adjustment for Finance Cost to IPPs	Mill Rs	(50.952990)	(51.495840)
Total Energy Transfer Charges	Mill Rs	3,216.487732	4,221.331321
Total Cost without GST	Mill Rs	3,291.600232	4,296.443821
GST @ 17%	Mill Rs	443.333318	602.772374
Total Cost With GST	Mill Rs	3,734.933550	4,899.216195

K E S C L T D .

Break of Cost of Power Purchases

DESCRIPTION	Dec-10	Jan-11	
<u>RATE OF PURCHASE FROM NTDC</u>			
Use of system charges	Rs/kWh	0.162	0.160
Energy Transfer Charges			
- Capacity Transfer charges	Rs/kWh	1.234	1.409
- Energy Transfer Charges I	Rs/kWh	5.630	7.574
- Energy Transfer Charges II	Rs/kWh	0.190	0.144
Adjustment for Finance Cost		(0.110)	(0.110)
Total Energy Transfer Charges	Rs/kWh	6.944	9.017
Total Cost without GST	Rs/kWh	7.106	9.178
GST @ 17%	Rs/kWh	0.957	1.288
Total Cost With GST	Rs/kWh	8.063	10.465

6 ANOUD Power

Units Purchased	Mill kWh	5 960507	6 121696
Energy Charges	Mill Rs	47 082641	50 369927
Variable O & M	Mill Rs	9 489127	9 745740
Total Cost	Mill Rs	56 571768	60 115867
GST @ 17%		9.617201	10.219683
		66.188969	70.335330

RATE OF PURCHASE FROM ANOUD POWER

Energy Charges	Rs/kWh	7.899100	8.228100
Variable O & M	Rs/kWh	1.592000	1.592000
Total Cost	Rs/kWh	9.491100	9.820100

7 DHA Co-gen

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

RATE OF PURCHASE FROM DHA CO-GEN

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

8 IIL INDUSTRIES - Original Invoice

Units Purchased	Mill kWh	9 125169	6 083464
Fuel Cost	Mill Rs	34 192008	22 794740
Variable and other charges	Mill Rs	14 104313	9 678791
Differential due to increase in borrowing cost	Mill Rs	0.548444	0.383258
Amount excluding GST	Mill Rs	48 844765	32 856789
GST @ 17%	Mill Rs	8.303610	5.585654
Amount payable with GST	Mill Rs	57.148375	38.442443

Rate of Purchase from IIL Industries

Fuel Cost	Rs/kWh	3.747000	3.747000
Variable and other charges	Rs/kWh	1.545649	1.591000
Differential due to increase in borrowing cost	Rs/kWh	0.060102	0.063000
Rate excluding GST		5.352752	5.401000
GST @ 17%		0.909968	0.918170
Rate with GST		6.262720	6.319170

IIL Industries - Verified for Payment

Units Purchased	Mill kWh	9.125169	6.083464
Fuel Cost	Mill Rs	34 192008	22 794740
Variable and other charges	Mill Rs	14 104313	9 678791
Differential due to increase in borrowing cost	Mill Rs	0.548444	0.383258
Amount excluding GST	Mill Rs	48 844765	32 856789
GST @ 17%	Mill Rs	8.303610	5.585654
Amount payable with GST	Mill Rs	57.148375	38.442443

Rate of Purchase from IIL Industries

Fuel Cost	Rs/kWh	3.747000	3.747000
Variable and other charges	Rs/kWh	1.545649	1.591000
Differential due to increase in borrowing cost	Rs/kWh	0.060102	0.063000
Rate excluding GST		5.352752	5.401000
GST @ 17%		0.909968	0.918170
Rate with GST		6.262720	6.319170

IIL INDUSTRIES 4 MW- Original Invoice

Units Purchased	Mill kWh	0.469990	0.421887
Fuel Cost	Mill Rs	1.667995	1.497277
Variable and other charges	Mill Rs	0.731304	0.656456
Differential due to increase in borrowing cost	Mill Rs		
Amount excluding GST	Mill Rs	2.399299	2.153733
GST @ 17%	Mill Rs	0.407881	0.366135
Amount payable with GST	Mill Rs	2.807180	2.519868

Break of Cost of Power Purchases

DESCRIPTION	Dec-10	Jan-11
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Rate of Purchase from IIL Industries

RSKWH	3 549000	1 556000
RSKWH	5 105000	5 105000
Rate excluding GST	0 887850	0 887850
Rate with GST	1 047950	1 047950

IIL INDUSTRIES 4 MY- Verified for Payment

RSKWH	3 549000	1 556000
RSKWH	5 105000	5 105000
Rate excluding GST	0 887850	0 887850
Rate with GST	1 047950	1 047950

Rate of Purchase from IIL Industries

RSKWH	3 549000	1 556000
RSKWH	5 105000	5 105000
Rate excluding GST	0 887850	0 887850
Rate with GST	1 047950	1 047950

IIL INDUSTRIES COMBINED - Verified for Payment

RSKWH	3 737002	3 737002
RSKWH	1 546156	0 057158
Rate excluding GST	0 887850	0 887850
Rate with GST	1 047950	1 047950

9 KH FAMA

Units Purchased	190 814949	197 605135
Total Cost	4 535535	4 535535

10 AGGREKO

Units Purchased	0 057793	0 045834
Fuel Cost	5 990110	5 990110
Fixed Cost	186 391530	186 784650
Total Cost	186 437354	192 774760

11 ENGR0

Units Purchased	103 665611	3 232 519080
Fuel Cost	103 665611	3 232 519080
Fixed Cost	3 336 184691	5 102539
Total Cost	3 336 184691	5 102539

12 AL-ABBAS

Units Purchased	1 961846	15 830469
Energy Charges	0 136195	16 026593
Variable & Other charges	1 771823	1 771823
Total Cost	1 771823	1 771823

RATE OF PURCHASE FROM AL-ABBAS

RSKWH	2 059	8 100
RSKWH	8 169	8 169
RSKWH	0 903	0 903
RSKWH	0 903	0 903

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STATION-WISE GENERATION AND SENT OUT - ACTUAL

DESCRIPTION		Dec-10	Jan-11
1 Units Generated			
		Mill kwh	
i	Bin Qasim	216 212930	234 697985
ii	Korangi Thermal	-	-
iii	Korangi Town Gas Turb I	-	-
iv	Korangi Town Gas Turb II	48 871092	40 320802
v	Site Gas Turbine I	-	-
vi	Site Gas Turbine II	42 279120	16 582400
vii	Korangi CCPP	80 720393	82 392477
viii	Total KESC	388.083535	373.993664
2 Units Sent out			
		Mill kwh	
i	Bin Qasim	194 242950	211 231350
ii	Korangi Thermal	(0 335610)	(0 333630)
iii	Korangi Town Gas Turb I	-	-
iv	Korangi Town Gas Turb II	47 853924	39 414666
v	Site Gas Turbine I	-	-
vi	Site Gas Turbine II	41 044331	15 950586
vii	Korangi CCPP	74 757727	75 556045
viii	Total KESC	367.563322	341.819017
3 Auxiliary Consumption			
		Mill kwh	
i	Bin Qasim	21 969980	23 466635
ii	Korangi Thermal	0 335610	0 333630
iii	Korangi Town Gas Turb I	-	-
iv	Korangi Town Gas Turb II	1 017168	0 906136
v	Site Gas Turbine I	-	-
vi	Site Gas Turbine II	1 234789	0 631814
vii	Korangi CCPP	5 962666	6 836432
viii	Total KESC	30.520213	32.174647
4 Auxiliary Consumption			
		%	
i	Bin Qasim	10.2%	10.0%
ii	Korangi Thermal	#DIV/0!	#DIV/0!
iii	Korangi Town Gas Turb I	#DIV/0!	#DIV/0!
iv	Korangi Town Gas Turb II	2.1%	2.2%
v	Site Gas Turbine I	#DIV/0!	#DIV/0!
vi	Site Gas Turbine II	2.9%	3.8%
vii	Korangi CCPP	7.4%	8.3%
viii	Total KESC	7.9%	8.6%

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

DESCRIPTION		Dec-10	Jan-11
5 Units Sent out			
		Mill kwh	
i	Bin Qasim	201 090067	220 592383
ii	Korangi Thermal	(0 335610)	(0 333630)
iii	Korangi Town Gas Turb I	-	-
iv	Korangi Town Gas Turb II	47 853924	39 414666
v	Site Gas Turbine I	-	-
vi	Site Gas Turbine II	41 044331	15 950586
vii	Korangi CCPP	74 757727	75 556045
viii	Total KESC	364.410439	351.180050
Check		364 410439	351 180050
6 Auxiliary Consumption			
		Mill kwh	
i	Bin Qasim	15 122863	14 105602
ii	Korangi Thermal	0 335610	0 333630
iii	Korangi Town Gas Turb I	-	-
iv	Korangi Town Gas Turb II	1 017168	0 906136
v	Site Gas Turbine I	-	-
vi	Site Gas Turbine II	1 234789	0 631814
vii	Korangi CCPP	5 962666	6 836432
viii	Total KESC	23.673096	22.813614
7 Auxiliary Consumption at 6.1%			
		%	
i	Bin Qasim	7.0%	6.0%
ii	Korangi Thermal	0.0%	0.0%
iii	Korangi Town Gas Turb I	0.0%	#DIV/0!
iv	Korangi Town Gas Turb II	2.1%	2.2%
v	Site Gas Turbine I	0.0%	0.0%
vi	Site Gas Turbine II	2.9%	3.8%
vii	Korangi CCPP	7.4%	8.3%
viii	Total KESC	6.1%	6.1%

K. E. S. C. LTD

STATION-WISE GENERATION AND SENT OUT - ACTUAL

DESCRIPTION	Dec-10	Jan-11
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WORKING OF GENERATION ON GAS AND FURNACE OIL AND COST OF

DESCRIPTION	Dec-10
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8 Fuel Consumption at BQPS

a Gas Consumption

000 CM	35,506,230	50,606,672
MMCF	1,260,255	1,796,228
MMCFD	40.65	57.84
BTU/MCF	923,970	902,710
Million BTU	1,164,438	1,621,473
	49.6%	61.5%

b Furnace Oil consumption

M Ton	29,374.42	24,847.51
BTU/M Ton	40,351,500	40,351,500
Million BTU	1,185,302	1,002,634
	50.4%	38.2%

c Total fuel consumption

Million BTU	2,349,740	2,624,108
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9 Sent out - BQPS

a On gas

Mill kWh	99,652,254	136,307,166
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b On Furnace Oil

Mill kWh	101,437,813	84,285,218
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Mill kWh	201,090,067	220,592,383
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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 CCPP
- viii Total KESC

	Mill kWh	Mill kWh
i Bin Qasim	99,652,254	136,307,166
ii Korangi Thermal	10,335,610	(10,335,630)
iii Korangi Town Gas Turb I	-	-
iv Korangi Town Gas Turb II	47,853,924	39,414,666
v Site Gas Turbine I	-	-
vi Site Gas Turbine II	41,044,331	15,950,586
vii Korangi CCPP	74,757,727	75,556,045
viii Total KESC	262,972,626	266,894,833

11 Generation on F.Oil - BQPS

Mill kWh	101,437,813	84,285,218
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12 Total Generation at Bus Bar

Mill kWh	364,410,439	351,180,050
	27.8%	24.0%

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 CCPP
- viii Total KESC

Mill Btu	1,164,438	1,621,473
Mill Btu	-	-
Mill Btu	-	-
Mill Btu	462,670	390,489
Mill Btu	-	-
Mill Btu	401,347	176,933
Mill Btu	651,329	646,847
Mill Btu	2,679,783	2,835,742

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 CCPP
- viii Total KESC

Mill Rs	458,543	638,520
Mill Rs	0.03	0.013
Mill Rs	-	-
Mill Rs	182,195	153,770
Mill Rs	-	-
Mill Rs	158,046	69,674
Mill Rs	256,486	254,722
Mill Rs	1,055,283	1,116,699

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 CCPP
- viii Total KESC

Rs/Mill Btu	393.79	393.79
Rs/Mill Btu	#DIV/0!	#DIV/0!
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

M Ton	29,374.42	24,847.51
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b Cost of Furnace Oil

Mill Rs	1,315,406	1,145,527
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c Furnace oil Price

Rs/M Ton	44,780.67	46,102.27
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Gross Generation on Gas	107,146,545	145,023,217
Gross Generation on Furnace oil	109,066,385	89,674,768
Total Gross Generation at BQPS	216,212,930	234,697,985
Sent out on Gas	99,652,254	136,307,166
Sent out on Furnace oil	101,437,813	84,285,218
Total Sent out at BQPS	201,090,067	220,592,383

TK



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

Power / Electricity Sales Bill (Provisional)

NTDC GST No. 03-00-2710-005-13

KESC GST No. 1200271600720

Name and Address Karachi Electric Supply Company (KESC) KESC House, 39-B, Sunsol Boulevard, Phase-IV, DHA, Karachi.	Billing Month	January-11
	Reading Date	31/01/2011
	Issue Date	17/02/2011
	Due Date	3/3/2011

Description				
Energy (kWh)				468,144,000
kVArh				
MDI (kW)				750,000

Use Of System Charges	Rate (Rs.)	Amount (Rs.)
Fixed	100.150	75,112,500
Variable	0.1239 * 1	
Total		75,112,500

Capacity Transfer Charges	879.498517	639,623,888
Energy Transfer Charges	7.573904	3,545,719,847
Energy Transfer Charges	0.144151	67,483,426
Total Transfer Charges		4,272,827,161

Bill for the Month		4,347,839,661
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GST 17%		602,772,374
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DII Adjustment		
Arrears		

Payable Within Due Date		4,950,712,035
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System charges are included as per NTDC tariff notified on March 17, 2006.

RECEIVED
18 FEB 2011
FAX

GROUPE
1045
KESC

Ud Singh
Director Finance (CPPA)