

**KARACHI ELECTRIC SUPPLY COMPANY LTD.**

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Ref. No. DRA&SP/NEPRA/071/880  
Dated: February 21, 2012

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

Dear Sir

Subject: **ADJUSTMENT IN KESCL SCHEDULE OF TARIFF ON ACCOUNT OF FUEL PRICE AND POWER PURCHASE COST VARIATION FOR QUARTER ENDED DECEMBER 2011.**

With reference to the Authority's determination on KESCL on account of fuel price and power purchase cost variation, the required adjustment in KESC's tariff for the quarter ended December 2011 is as under:

**1. Required Adjustment in Schedule of Tariff for the Quarter ended December 2011**

1.1. As per the tariff adjustment mechanism applicable, the cost for the period Oct – Dec 2011 has increase by Ps 40.742/kWh, which needs to be adjusted in KESC's schedule of tariff. The table below gives the breakup of the required adjustment on units sold basis.

DESCRIPTION	December 2011 (Over September 2011)
Fuel Price Variation (Ps/kWh)	(59.882)
Power Purchase Price Variation (Ps/kWh)	100.625
<b>Total Variation in Tariff (Ps/kWh)</b>	<b>40.742</b>

**1.2. Unrecovered Cost**

Based on the approved mechanism and the details mentioned above, the comparison of revised unrecovered cost with and without taking into account the impact of GLMP is as under:

Unrecovered Cost for the quarter Oct-11 to Dec-11	Amount with GLMP	Amount w/o GLMP
Variation in O&M cost of IPPs and other sources	142.208	142.208
Variation in Capacity charges of IPPs and other sources	55.533	55.533
Unrecovered cost due to non-adjustment of T&D losses	337.760	337.760
* Unrecovered cost – on account of GLMP	(2,483.407)	-
<b>Total Unrecovered Cost for Oct-Dec 2011</b>	<b>(1,947.543)</b>	<b>535.501</b>
<b>Units to be sold @21% T&amp;D loss in the next quarter (GWh)</b>	<b>2,472.7</b>	<b>2,472.7</b>

\* GLMP received during the quarter Oct-Dec 2011

1.3 In view of the above, the comparative overall change in the KESC's tariff on account of fuel price, power purchase cost for the quarter December, 2011 works out to be as follows:

<b>Total Required Adjustment in KESC's Tariff</b>	<b>With GLMP Ps/kWh</b>	<b>w/o GLMP Ps/kWh</b>
<b>Required Adjustment in KESC's tariff</b>	<b>40.742</b>	<b>40.742</b>
<b>Unrecovered Cost for Oct-Dec 2011</b>	<b>21.657</b>	<b>21.657</b>
<b>Sub Total</b>	<b>62.399</b>	<b>62.399</b>
<b>Unrecovered Cost for the quarter - under GLMP</b>	<b>(100.418)</b>	<b>-</b>
<b>Reversal of Unrecovered Cost of Jul-Sep 2011 - under GLMP</b>	<b>85.391</b>	<b>-</b>
<b>Total Required Adjustment in KESC Tariff</b>	<b>47.372</b>	<b>62.399</b>

*Note: It may please be noted that KESC has submitted its request for the quarter Jul-Sep 2011 with the view that the entire amount of GLMP (100%) should be adjusted in the quarterly tariff adjustment under Un-recovered cost. Whereas, as per past practice the 80% of the amount was passed to the Consumers and remaining 20% adjusted in the Tariff as unrecovered cost. This will reduce the claim of tariff differential subsidy from GoP.*

It is therefore, requested that the impact of the lower furnace oil price under GLMP may be adjusted in the quarterly tariff as per mechanism under 'unrecovered cost' the quarter October - December 2011.

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.  
Islamabad Office, KESC.

<b>A WORKING OF ADJUSTMENT IN KESCL TRIFF DUE</b>	<b>Sep-11</b>	<b>Oct-11</b>	<b>Nov-11</b>	<b>Dec-11</b>	<b>QTR</b>
<b>TO VARIATION IN FUEL AND POWER PURCHASE COST INCLUDING O&amp;M AND CAPACITY CHARGES</b>					
<b>UNITS SOLD</b>	Mill kWh				<b>783.604</b>
<b>FUEL PRICE VARIATION</b>	Mill Rs				<b>(469.238)</b>
<b>Cost of Power Purchase</b>					
- Fuel Component	Mill Rs	4,768.835		5,612.032	
- O&M Cost	Mill Rs	1,009.044		1,025.914	
- Capacity Payment	Mill Rs	212.916		214.597	
- Total Cost of Power Purchased	Mill Rs	<b>5,990.795</b>		<b>6,852.543</b>	
<b>Power Purchased</b>	Mill kWh	<b>655.212</b>		<b>663.223</b>	
<b>Average Rate of Power Purchase</b>					
- Fuel Component	Rs/kWh	7.278		8.462	1.183
- O&M Cost	Rs/kWh	1.540		1.547	0.007
- Capacity Payment	Rs/kWh	0.325		0.324	(0.001)
- Total Cost of Power Purchased	Rs/kWh	<b>9.143</b>		<b>10.332</b>	<b>1.189</b>
<b>POWER PURCHASED COST VARIATION</b>					
- Fuel Component	Mill Rs				784.888
- O&M Cost	Mill Rs				4.532
- Capacity Payment	Mill Rs				(0.922)
- Total Cost of Power Purchased	Mill Rs				<b>788.497</b>
<b>Total Cost Variation (Fuel + Purchase)</b>	Mill Rs				<b>319.259</b>
<b>QUARTERLY INCREASE/DECREASE IN RATE</b>					
- Fuel Price Variation	Ps/kWh				(59.882)
- Power Purchase Cost variation	Ps/kWh				100.625
- Total Cost Variation	Ps/kWh				<b>40.743</b>

<b>B WORKING OF ADJUSTMENT IN KESCL TRIFF DUE TO UNRECOVERED COST</b>		<b>Without GLMP</b>				
		<b>Oct-11</b>	<b>Nov-11</b>	<b>Dec-11</b>	<b>QTR</b>	
a.	Variation in O&M Cost Power Purchase	(45.814)	183.490	4.532	142.208	
b.	Variation in Capacity Cost Power Purchase	30.926	25.530	(0.922)	55.533	
<b>c. i Unrecovered Cost due to non adjustment of T&amp;D losses</b>						
	Fuel Price Variation	Mill Rs	1,222.290	(257.579)	(469.238)	495.473
	Power Purchase( fuel) variation	Mill Rs	296.764	31.255	784.888	1,112.907
		Mill Rs	1,519.054	(226.324)	315.650	1,608.380
	<b>Units Sent Out</b>	Mill kWh	1,358.678	1,162.618	991.903	3,513.198
	Increase/decrease in FSA Rate	Ps/kWh	111.804	(19.467)	31.823	45.781
	T&D Losses		21.0%	21.0%	21.0%	
	Units Sold as per NEPRA	Mill kWh	1,073.355	918.468	783.604	2,775.427
<b>ii Recovery of Cost under Monthly FSA</b>						
	Fuel Price Variation	Mill Rs	965.609	(203.487)	(370.698)	391.424
	Power Purchase( fuel) variation	Mill Rs	234.444	24.691	620.061	879.196
		Mill Rs	1,200.053	(178.796)	249.363	1,270.620
<b>iii Unrecovered Cost due to non adjustment of T&amp;D losses</b>						
	Fuel Price Variation	Mill Rs	256.681	(54.091)	(98.540)	104.049
	Power Purchase( fuel) variation	Mill Rs	62.320	6.564	164.826	233.710
		Mill Rs	319.001	(47.528)	66.286	337.760
<b>iv GLMP</b>						
		Mill Rs	(2,400.617)	(82.430)	-	(2,483.047)
		Mill Rs	(2,081.616)	(129.958)	66.286	(2,145.287)
<b>d. Adjustment of un-recovered cost of Prv Quarter</b>						
	Unrecovered cost of previous quarter	Mill Rs				(132.029)
	Allowed adjustment in KESCL Tariff	Ps/kWh				(4.757)
	Actual Units sold as per NEPRA	Mill kWh				2,775.427
	Actual Recovery of Un-recovered cost	Mill Rs				(132.029)
	Shortfall/(Surplus) adj. of unrecovered cost	Mill Rs				-
<b>SUMMARY OF UNRECOVERED COST</b>						
a.	Variation in O&M Cost Power Purchase	Mill Rs				142.208
b.	Variation in Capacity Cost Power Purchase	Mill Rs				55.533
c.	Unrecovered Cost due to non adjustment of T&D losses	Mill Rs				337.760
d.	Adjustment of un-recovered cost of Prev. Qtr.	Mill Rs				-
						535.501
e.	Unrecovered Cost due to adjustment of GLMP	Mill Rs				(2,483.047)
	Total Adjustment in Quarterly Tariff	Mill Rs				(1,947.546)
	<b>Units to be sold in next quarter</b>	Mill kWh				2,472.700
<b>Required adjustment in Tariff</b>						
a.	Unrecovered Cost for current quarter	Ps/kWh				21.657
b.	Unrecovered Cost of GLMP for current quarter	Ps/kWh				(100.418)
c.	Adjustment of GLMP of previous Quarter	Ps/kWh				85.391
d.	Quarterly Revision of SOT for the Quarter 'A'	Ps/kWh				40.742
e.	Total Required adjustment in KESCL's Tariff	Ps/kWh				(47.572)

NEPRA is hereby requested to revise KESCL's SOT accordingly

					Without GLMP	
<b>A WORKING OF ADJUSTMENT IN KESCL TRIFF DUE TO VARIATION IN FUEL AND POWER PURCHASE COST INCLUDING O&amp;M AND CAPACITY CHARGES</b>		Sep-11	Oct-11	Nov-11	Dec-11	QTR
<b>UNITS SOLD</b>	Mill kWh					783.604
<b>FURL PRICE VARIATION</b>	Mill Rs					(469.238)
<b>Cost of Power Purchase</b>						
- Fuel Component	Mill Rs	4,768.835			5,612.032	
- O&M Cost	Mill Rs	1,009.044			1,025.914	
- Capacity Payment	Mill Rs	212.916			214.597	
- Total Cost of Power Purchased	Mill Rs	5,990.795			6,852.543	
<b>Power Purchased</b>	Mill kWh	655.212			663.223	
<b>Average Rate of Power Purchase</b>						
- Fuel Component	Rs/kWh	7.278			8.462	1.183
- O&M Cost	Rs/kWh	1.540			1.547	0.007
- Capacity Payment	Rs/kWh	0.325			0.324	(0.001)
- Total Cost of Power Purchased	Rs/kWh	9.143			10.332	1.189
<b>POWER PURCHASED COST VARIATION</b>						
- Fuel Component	Mill Rs					784.888
- O&M Cost	Mill Rs					4.532
- Capacity Payment	Mill Rs					(0.922)
- Total Cost of Power Purchased	Mill Rs					788.497
<b>Total Cost Variation (Fuel + Purchase)</b>	Mill Rs					319.259
<b>QUARTERLY INCREASE/DECREASE IN RATE</b>						
- Fuel Price Variation	Ps/kWh					(59.882)
- Power Purchase Cost variation	Ps/kWh					100.625
- Total Cost Variation	Ps/kWh					40.743

B WORKING OF ADJUSTMENT IN KESCL TRIFF DUE TO		Without GLMP				
		Oct-11	Nov-11	Dec-11	QTR	
<b>UNRECOVERED COST</b>						
a.	Variation in O&M Cost Power Purchase	(45.814)	183.490	4.532	142.208	
b.	Variation in Capacity Cost Power Purchase	30.926	25.530	(0.922)	55.533	
<b>c. i Unrecovered Cost due to non adjustment of T&amp;D losses</b>						
	Fuel Price Variation	Mill Rs	1,222.290	(257.579)	(469.238)	495.473
	Power Purchase( fuel) variation	Mill Rs	296.764	31.255	784.888	1,112.907
		Mill Rs	1,519.054	(226.324)	315.650	1,608.380
	<b>Units Sent Out</b>	Mill kWh	1,358.678	1,162.618	991.903	3,513.198
	Increase/decrease in FSA Rate	Ps/kWh	111.804	(19.467)	31.823	45.781
	T&D Losses		21.0%	21.0%	21.0%	
	Units Sold as per NEPRA	Mill kWh	1,073.355	918.468	783.604	2,775.427
<b>ii Recovery of Cost under Monthly FSA</b>						
	Fuel Price Variation	Mill Rs	965.609	(203.487)	(370.698)	391.424
	Power Purchase( fuel) variation	Mill Rs	234.444	24.691	620.061	879.196
		Mill Rs	1,200.053	(178.796)	249.363	1,270.620
<b>iii Unrecovered Cost due to non adjustment of T&amp;D losses</b>						
	Fuel Price Variation	Mill Rs	256.681	(54.091)	(98.540)	104.049
	Power Purchase( fuel) variation	Mill Rs	62.320	6.564	164.826	233.710
		Mill Rs	319.001	(47.528)	66.286	337.760
<b>d. Adjustment of un-recovered cost of Prv Quarter</b>						
	Unrecovered cost of previous quarter	Mill Rs				(132.029)
	Allowed adjustment in KESCL Tariff	Ps/kWh				(4.757)
	Actual Units sold as per NEPRA	Mill kWh				2,775.427
	Actual Recovery of Un-recovered cost	Mill Rs				(132.029)
	Shortfall/(Surplus) adj. of unrecovered cost	Mill Rs				-
<b>SUMMARY OF UNRECOVERED COST</b>						
a.	Variation in O&M Cost Power Purchase	Mill Rs				142.208
b.	Variation in Capacity Cost Power Purchase	Mill Rs				55.533
c.	Unrecovered Cost due to non adjustment of T&D losses	Mill Rs				337.760
	<b>Total Adjustment in Quarterly Tariff</b>	Mill Rs				535.501
	<b>Units to be sold in next quarter</b>	Mill kWh				2,472.700
<b>Required adjustment in Tariff</b>						
a.	Unrecovered Cost for current quarter	Ps/kWh				21.657
d	Quarterly Revision of SOT for the Quarter 'A'	Ps/kWh				40.742
c	Total Required adjustment in KESCL's Tariff	Ps/kWh				62.399

NEPRA is hereby requested to revise KESCL's SOT accordingly

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

DESCRIPTION		Sep-11	Oct-11	Nov-11	Dec-11
<b>1 REQUIRED ADJUSTMENT IN TARIFF (FSA) ON UNITS SOLD BASIS</b>					
a.	Monthly Variation in				
	i Fuel Price	Mill Rs. (481.582)	1,222.290	(257.579)	(469.238)
	ii Power Purchase Price	Mill Rs. (199.148)	281.876	240.275	788.497
	iii Total Monthly Variation ( i + ii ) - Over Reference Tariff	Mill Rs. (680.73)	1,504.17	(17.30)	319.26
b.	Units Sold at 21% T&D losses	Mill kWh 1,015.84	1,073.36	918.47	783.60
<b>2</b>					
a.	Monthly Variation in				
	i Fuel Price (1ai/1b)	Ps/kWh (47.407)	113.876	(28.044)	(59.882)
	ii Power Purchase Price (1aii/1b)	Ps/kWh (19.604)	26.261	26.160	100.625
b.	Monthly increase/decrease to be passed to Consumers (i+ii)	Ps/kWh (67.012)	140.137	(1.884)	40.742
<b>MONTHLY SHORTFALL/(SURPLUS) IN REVENUE ( 1 -2 )</b>		Mill Rs.			
c.	Increase/ Decrease in Revenue due to FSA	Mill Rs. (680.73)	1,504.17	(17.30)	319.26
<b>1 MONTHLY ALLOWABLE ADJUSTMENT ON UNITS SENT OUT BASIS</b>					
a.	Monthly Variation in				
	i Fuel Price	Mill Rs. (481.582)	1,222.290	(257.579)	(469.238)
	ii Power Purchase Price - Fuel component	Mill Rs. (363.905)	296.764	31.255	784.888
	iii Total Monthly Variation ( i + ii ) - Over Reference Tariff	Mill Rs. (845.487)	1,519.054	(226.324)	315.650
b.	Units Sent Out	Mill kWh 1,285.870	1,358.678	1,162.618	991.903
<b>2</b>					
a.	Monthly Variation in FSA - due to				
	i Fuel Price	Ps/kWh (37.452)	89.962	(22.155)	(47.307)
	ii Power Purchase Price - Fuel component	Ps/kWh (28.300)	21.842	2.688	79.129
b.	Monthly increase/decrease to be passed to Consumers (i+ii)	Ps/kWh (65.752)	111.804	(19.467)	31.823
c.	Units Sold at 21% T&D losses	Mill kWh 1,015.837	1,073.355	918.468	783.604
		66,774.740			
d.	Increase/ Decrease in Revenue due to FSA	Mill Rs. (667.935)	1,200.053	(178.796)	249.363
<b>3 MONTHLY SHORTFALL/(SURPLUS) IN REVENUE ( 1aiii -2d )</b>		Mill Rs.			
	(Unrecovered Cost)	Mill Rs. (177.552)	319.001	(47.528)	66.286

## Work Sheet- Fuel Price Variation

DESCRIPTION		Sep-11	Oct-11	Nov-11	Dec-11	
<b>1 UNITS SENT OUT - KESC</b>						
<b>1a UNITS SENT OUT ON GAS</b>						
i	Bin Qasim	Mill kWh	215.924	157.001	257.533	184.521
ii	Bin Qasim II - CCPP		65.532	94.606	17.059	29.842
iii	Korangi Thermal	Mill kWh	35.308	37.260	1.241	(0.285)
v	Korangi Gas 2	Mill kWh	48.995	60.740	43.147	25.211
vii	Site Gas 2	Mill kWh	36.521	47.403	36.742	1.236
viii	Korangi combined	Mill kWh	68.968	81.488	80.280	33.574
	Total (i to viii)	Mill kWh	<b>471.250</b>	<b>478.497</b>	<b>436.002</b>	<b>274.098</b>
<b>1b UNITS SENT OUT ON F. OIL</b>						
i	Bin Qasim	Mill kWh	159.409	314.964	144.796	54.582
	Total (i to viii)	Mill kWh	<b>159.409</b>	<b>314.964</b>	<b>144.796</b>	<b>54.582</b>
<b>1c TOTAL UNITS SENT OUT (1 + 2)</b>						
i	Bin Qasim	Mill kWh	375.333	471.965	402.329	239.103
ii	Bin Qasim II - CCPP		65.532	94.606	17.059	29.842
iii	Korangi Thermal	Mill kWh	35.308	37.260	1.241	(0.285)
v	Korangi Gas 2	Mill kWh	48.995	60.740	43.147	25.211
vii	Site Gas 2	Mill kWh	36.521	47.403	36.742	1.236
viii	Korangi combined	Mill kWh	68.968	81.488	80.280	33.574
	Total (i to vii)	Mill kWh	<b>630.659</b>	<b>793.461</b>	<b>580.798</b>	<b>328.680</b>
<b>2 HEAT RATE AT BUS BAR</b>						
<b>2a Heat Rate of GAS - of Item 1</b>						
i	Bin Qasim	Btu/kWh	10,650	10,650	10,650	10,650
ii	Bin Qasim II - CCPP	Btu/kWh	11,687	11,687	11,687	11,687
iii	Korangi Thermal	Btu/kWh	13,738	13,738	13,738	13,738
iv	Korangi Gas 1	Btu/kWh	17,039	17,039	17,039	17,039
v	Korangi Gas 2	Btu/kWh	9,500	9,500	9,500	9,500
vi	Site Gas 1	Btu/kWh	17,039	17,039	17,039	17,039
vii	Site Gas 2	Btu/kWh	9,500	9,500	9,500	9,500
viii	Korangi combined	Btu/kWh	9,110	9,110	9,110	9,110
<b>2b CONVERSION FACTOR F. OIL - of Item 2</b>						
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
<b>3 FUEL PRICES</b>						
a.	Fuel Prices- Gas (Rs/MMBTu)	Rs/MMBTu	447.14	447.14	447.14	447.14
b.	Fuel Price -F.O (Rs/Kg)	Rs/Kg	60,773.42	59,935.49	61,731.91	64,983.30
<b>4 COST OF FUEL</b>						
<b>4a COST OF GAS</b>						
i	Bin Qasim	Mill Rs	1,028.241	747.647	1,226.382	878.696
ii	Bin Qasim II - CCPP	Mill Rs	342.443	494.367	89.144	155.939
iii	Korangi Thermal	Mill Rs	216.892	228.879	7.626	(1.751)
v	Korangi Gas 2	Mill Rs	208.123	258.012	183.281	107.091
vii	Site Gas 2	Mill Rs	155.135	201.359	156.072	5.250
viii	Korangi combined	Mill Rs	280.939	331.937	327.015	136.762
	Total (i to vii)	Mill Rs	<b>2,231.773</b>	<b>2,262.200</b>	<b>1,989.521</b>	<b>1,281.988</b>
<b>4b COST OF FURNACE OIL</b>						
i	Bin Qasim	Mill Rs	2,557.585	4,983.662	2,359.775	936.385
viii	Total (i to vii)	Mill Rs	<b>2,557.585</b>	<b>4,983.662</b>	<b>2,359.775</b>	<b>936.385</b>
<b>4c TOTAL COST OF FUEL</b>						
i	Bin Qasim	Mill Rs	3,585.826	5,731.309	3,586.158	1,815.08097
ii	Bin Qasim II - CCPP	Mill Rs	342.443	494.367	89.144	155.939
iii	Korangi Thermal	Mill Rs	216.892	228.879	7.626	(1.751)
v	Korangi Gas 2	Mill Rs	208.123	258.012	183.281	107.09119
vii	Site Gas 2	Mill Rs	155.135	201.359	156.072	5.250
viii	Korangi combined	Mill Rs	280.939	331.937	327.015	136.762
	Total	Mill Rs	<b>4,789.358</b>	<b>7,245.862</b>	<b>4,349.296</b>	<b>2,218.3728</b>



## Work Sheet- Fuel Price Variation

DESCRIPTION		Sep-11	Oct-11	Nov-11	Dec-11	
<b>5 COST OF FUEL PER KWH</b>						
a	Bin Qasim	Rs/kWh	9.554	12.143	8.913	7.591
b	Bin Qasim II - CCPP	Rs/kWh	5.226	5.226	5.226	5.226
c	Korangi Thermal	Rs/kWh	6.143	6.143	6.143	6.143
e	Korangi Gas 2	Rs/kWh	4.248	4.248	4.248	4.248
g	Site Gas 2	Rs/kWh	4.248	4.248	4.248	4.248
	Korangi combined	Rs/kWh	4.073	4.073	4.073	4.073
			<b>7.594216</b>	<b>9.132</b>	<b>7.488</b>	<b>6.749332</b>
<b>6 INCREASE/DECREASE IN COST OF FUEL PER KWH</b>						
a	Bin Qasim	Rs/kWh	(1.633)	2.58979	(0.640)	(1.962496)
b	Bin Qasim II - CCPP	Rs/kWh	0.436	-	-	-
c	Korangi Thermal	Rs/kWh	0.733	-	-	-
e	Korangi Gas 2	Rs/kWh	0.507	-	-	-
g	Site Gas 2	Rs/kWh	0.507	-	-	-
	Korangi combined	Rs/kWh	0.486	-	-	-
			<b>(1.037)</b>	<b>1.53775</b>	<b>(0.106)</b>	<b>(0.844884)</b>
<b>7 INCREASE / DECREASE IN FUEL COST OVER PREVIOUS MONTH</b>						
a	Bin Qasim	Mill Rs	(612.884)	1,222.290	(257.579)	(469.238)
b	Bin Qasim II - CCPP	Mill Rs	28.562	-	-	-
c	Korangi Thermal	Mill Rs	25.878	-	-	-
e	Korangi Gas 2	Mill Rs	24.832	-	-	-
g	Site Gas 2	Mill Rs	18.510	-	-	-
h	Korangi combined	Mill Rs	33.520	-	-	-
	Total (a to g)	Mill Rs	<b>(481.582)</b>	<b>1,222.290</b>	<b>(257.579)</b>	<b>(469.238)</b>
<b>8 INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS</b>						
a	Fuel price variation (Item 7-h)	Mill Rs	(481.582)	1,222.290	(257.579)	(469.238)
b	Units Sent Out - KESC	Mill kWh	630.659	793.461	580.798	328.680
c	Power Purchase	Mill kWh	655.212	565.217	581.819	663.223
d	Total Units Sent Out (b + c)	Mill kWh	1,285.870	1,358.678	1,162.618	991.903
e	Increase / Decrease in Tariff (8a / 8d x 100)					
	To be passed on to the consumers - FSA	Ps/kWh	<b>(37.452)</b>	<b>89.962</b>	<b>(22.155)</b>	<b>(47.307)</b>
<b>9 INCREASE / DECREASE IN REVENUE</b>						
a	Units Sold	Mill kWh	1,015.837	1,073.355	918.468	783.604
b	Increase / Decrease in Tariff	Ps/kWh	(37.452)	89.962	(22.155)	(47.307)
c	Increase / Decrease in Revenue (9a / 9b x 100)	Mill Rs	(380.450)	965.609	(203.487)	(370.698)
d	Unrecovered Cost due to 21% T&D loss		<b>(101.132)</b>	<b>256.681</b>	<b>(54.091)</b>	<b>(98.540)</b>
<b>10 INCREASE / DECREASE IN TARIFF TO BE ADJUSTED ON QUARTERLY BASIS</b>						
a	Fuel price variation - Item 8a		(481.582)	1,222.290	(257.579)	(469.238)
b	Units Sent Out - KESC	Mill kWh	630.659	793.461	580.798	328.680
c	Power Purchase	Mill kWh	655.212	565.217	581.819	663.223
d	Total Units Sent Out	Mill kWh	1,285.870	1,358.678	1,162.618	991.903
e	Trans & Dist Losses		21%	21%	21%	21%
f	Units Sold (10d - 10e)	Mill kWh	<b>1,015.837</b>	<b>1,073.355</b>	<b>918.468</b>	<b>783.604</b>
g	Increase / Decrease in Tariff (10a / 10f x 100)					
	To be passed on to the consumers - Tariff	Ps/kWh	<b>(47.407)</b>	<b>113.876</b>	<b>(28.044)</b>	<b>(59.882)</b>
<b>11 INCREASE / DECREASE IN REVENUE</b>						
a	Units Sold (Item 10f)	Mill kWh	1,015.837	1,073.355	918.468	783.604
b	Increase / Decrease in Tariff (Item 10g)	Ps/kWh	(47.407)	113.876	(28.044)	(59.882)
c	Increase / Decrease in Revenue (11a x 11b)	Mill Rs	(481.582)	1,222.290	(257.579)	(469.238)

## STATION-WISE GENERATION AND SENT OUT - ACTUAL

DESCRIPTION		Sep-11	Oct-11	Nov-11	Dec-11
<b>1</b>	<b>Units Generated</b>	Mill kwh			
i	Bin Qasim	395.682815	496.599845	427.712290	252.149500
ii	Bin Qasim II - 560 MW	74.123283	107.925256	20.576307	33.862554
iii	Korangi Thermal	39.910000	41.850000	1.700000	-
v	Korangi Town Gas Turb II	50.158477	62.136234	44.220763	25.877471
vii	Site Gas Turbine II	37.506862	48.597695	37.700918	1.562194
viii	Korangi CCPP	74.246514	87.897410	86.618226	36.580600
	Total KESC	<b>671.627951</b>	<b>845.006440</b>	<b>618.528504</b>	<b>350.032319</b>
<b>2</b>	<b>Units Sent out</b>	Mill kwh			
i	Bin Qasim	359.532360	452.824020	390.653010	226.586448
ii	Bin Qasim II - 560 MW	65.532400	94.605800	17.059281	29.841732
iii	Korangi Thermal	35.308350	37.259640	1.241460	(0.285120)
v	Korangi Town Gas Turb II	48.995052	60.739639	43.147039	25.210799
vii	Site Gas Turbine II	36.521100	47.402800	36.741700	1.236000
viii	Korangi CCPP	68.968485	81.487970	80.279712	33.574140
	Total KESC	<b>614.857747</b>	<b>774.319869</b>	<b>569.122202</b>	<b>316.163999</b>
<b>3</b>	<b>Auxiliary Consumption</b>	Mill kwh			
i	Bin Qasim	36.150455	43.775825	37.059280	25.563052
ii	Bin Qasim II - 560 MW	8.590883	13.319456	3.517026	4.020822
iii	Korangi Thermal	4.601650	4.590360	0.458540	0.285120
v	Korangi Town Gas Turb II	1.163425	1.396595	1.073724	0.666672
vii	Site Gas Turbine II	0.985762	1.194895	0.959218	0.326194
viii	Korangi CCPP	5.278029	6.409440	6.338514	3.006460
	Total KESC	<b>56.770204</b>	<b>70.686571</b>	<b>49.406302</b>	<b>33.868320</b>
<b>4</b>	<b>Auxiliary Consumption</b>				
i	Bin Qasim	9.1%	8.8%	8.7%	10.1%
ii	Bin Qasim II - 560 MW	11.6%	12.3%	17.1%	11.9%
iii	Korangi Thermal	11.5%	11.0%	27.0%	#DIV/0!
v	Korangi Town Gas Turb II	2.3%	2.2%	2.4%	2.6%
vii	Site Gas Turbine II	2.6%	2.5%	2.5%	20.9%
viii	Korangi CCPP	7.1%	7.3%	7.3%	8.2%
	Total KESC	8.5%	8.4%	8.0%	9.7%
<b>5</b>	<b>Units Sent out</b>	Mill kwh			
i	Bin Qasim	375.333259	471.965198	402.329073	239.102797
ii	Bin Qasim II - 560 MW	65.532400	94.605800	17.059281	29.841732
iii	Korangi Thermal	35.308350	37.259640	1.241460	(0.285120)
v	Korangi Town Gas Turb II	48.995052	60.739639	43.147039	25.210799
vii	Site Gas Turbine II	36.521100	47.402800	36.741700	1.236000
viii	Korangi CCPP	68.968485	81.487970	80.279712	33.574140
	Total KESC	<b>630.658646</b>	<b>793.461047</b>	<b>580.798265</b>	<b>328.680348</b>
	Check				
<b>6</b>	<b>Auxiliary Consumption</b>	Mill kwh			
i	Bin Qasim	20.349556	24.634647	25.383217	13.046703
ii	Bin Qasim II - 560 MW	8.590883	13.319456	3.517026	4.020822
iii	Korangi Thermal	4.601650	4.590360	0.458540	0.285120
v	Korangi Town Gas Turb II	1.163425	1.396595	1.073724	0.666672
vii	Site Gas Turbine II	0.985762	1.194895	0.959218	0.326194
viii	Korangi CCPP	5.278029	6.409440	6.338514	3.006460
	Total KESC	<b>40.969305</b>	<b>51.545393</b>	<b>37.730239</b>	<b>21.351971</b>
<b>7</b>	<b>Auxiliary Consumption at 6.1%</b>				
i	Bin Qasim	5.1%	5.0%	5.9%	5.2%
ii	Bin Qasim II - 560 MW	11.6%	12.3%	17.1%	11.9%
iii	Korangi Thermal	11.5%	11.0%	27.0%	#DIV/0!
v	Korangi Town Gas Turb II	2.3%	2.2%	2.4%	2.6%
vii	Site Gas Turbine II	2.6%	2.5%	2.5%	20.9%
viii	Korangi CCPP	7.1%	7.3%	7.3%	8.2%
	Total KESC	6.1%	6.1%	6.1%	6.1%

DESCRIPTION	Sep-11	Oct-11	Nov-11	Dec-11
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**WORKING OF GENERATION ON GAS AND FURNACE OIL AND COST OF FUEL**

**8 Fuel Consumption at BQPS**

a. Gas Consumption	000 CM	74,033.918	52,726.067	87,623.640	61,335.069
	MMCF	2,627.753	1,871.454	3,110.105	2,177.021
	MMCFD	87.59	60.37	103.67	70.23
	BTU/MCF	906,148	908,150	909,190	910,570
	Million BTU	2,381,132	1,699,561	2,827,677	1,982,330
		56.4%	32.5%	62.7%	76.3%
b. Furnace Oil consumption	M. Ton	45,710.15	87,283.52	41,638.69	15,254.53
	BTU/M.Ton	40,351,500	40,351,500	40,351,500	40,351,500
	Million BTU	1,844,473	3,522,021	1,680,184	615,543
		43.6%	67.5%	37.3%	23.7%
c. Total fuel consumption	Million BTU	4,225,605	5,221,582	4,507,860	2,597,873
Actual Unit-wise Generation on Gas		227.631242	165.1962292	273.780857	194.5893098
		57.53%	33.27%	64.01%	77.17%
Actual Unit-wise Generation on Furnace Oil		168.051573	331.4036158	153.931433	57.56019019
		42.47%	66.73%	35.99%	22.83%
Total actual generation at Bin Qasim		395.682815	496.599845	427.71229	252.1495

**9 Sent out - BQPS**

a. On gas	Mill kWh	215.924404	157.001400	257.532928	184.520882
b. On Furnace Oil	Mill kWh	159.408855	314.963798	144.796145	54.581914
	Mill kWh	375.333259	471.965198	402.329073	239.102797

**10 Generation on Gas**

i Bin Qasim	Mill kWh	215.924404	157.001400	257.532928	184.520882
ii Bin Qasim II - 560 MW	Mill kWh	65.532400	94.605800	17.059281	29.841732
iii Korangi Thermal	Mill kWh	35.308350	37.259640	1.241460	(0.285120)
v Korangi Town Gas Turb II	Mill kWh	48.995052	60.739639	43.147039	25.210799
vii Site Gas Turbine II	Mill kWh	36.521100	47.402800	36.741700	1.236000
viii Korangi CCpp	Mill kWh	68.968485	81.487970	80.279712	33.574140
Total KESC	Mill kWh	471.249791	478.497249	436.002120	274.098433

**11 Generation on F.Oil - BQPS**

		159.408855	314.963798	144.796145	54.581914
<b>12 Total Generation at Bus Bar</b>		<b>630.658646</b>	<b>793.461047</b>	<b>580.798265</b>	<b>328.680348</b>
		25.3%	39.7%	24.9%	16.6%

**13 Price of Gas**

**a. Gas Consumption**

i Bin Qasim	Mill Btu	2,381,497	1,699,561	2,827,677	1,982,330
ii Bin Qasim II - 560 MW	Mill Btu	877,434	1,285,076	242,594	379,218
iii Korangi Thermal	Mill Btu	513,176	547,453	22,389	-
v Korangi Town Gas Turb II	Mill Btu	492,944	600,297	424,881	255,104
vii Site Gas Turbine II	Mill Btu	365,716	458,235	351,316	15,273
viii Korangi CCpp	Mill Btu	602,020	714,292	717,979	289,264
Total KESC	Mill Btu	5,232,786	5,304,914	4,586,836	2,921,190

**b. Cost of Gas Consumed - of Item 13a**

i Bin Qasim	Mill Rs.	1,064.866	759.961	1,264.378	886.379
ii Bin Qasim II - 560 MW	Mill Rs.	392.360	574.612	108.473	169.563
iii Korangi Thermal	Mill Rs.	229.461	244.788	10.011	0.015
v Korangi Town Gas Turb II	Mill Rs.	220.414	268.417	189.982	114.056
vii Site Gas Turbine II	Mill Rs.	163.526	204.895	157.088	6.829
viii Korangi CCpp	Mill Rs.	269.186	319.388	321.038	129.341
Total KESC	Mill Rs.	2,339.813	2,372.061	2,050.970	1,306.184

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

i Bin Qasim	Rs/Mill Btu	447.14	447.15	447.14	447.14
ii Bin Qasim II - 560 MW	Rs/Mill Btu	447.17	447.14	447.14	447.14
iii Korangi Thermal	Rs/Mill Btu	447.14	447.14	447.14	#DIV/0!
v Korangi Town Gas Turb II	Rs/Mill Btu	447.14	447.14	447.14	447.10
vii Site Gas Turbine II	Rs/Mill Btu	447.14	447.14	447.14	447.14
viii Korangi CCpp	Rs/Mill Btu	447.14	447.14	447.14	447.14
Total KESC	Rs/Mill Btu	447.14	447.14	447.14	447.14

**14 Price of Furnace Oil**

a. Quantity	M. Ton	45,710.15	87,283.52	41,638.69	15,254.53
b. Cost of Furnace Oil	Mill Rs.	2,773.669	5,237.123	2,565.058	987.501
Furnace oil Price	Rs/M.Ton	60,679.49	60,001.29	61,602.76	64,734.91

# Work Sheet- Power Purchase Cost Variation

DESCRIPTION		Sep-11	Oct-11	Nov-11	Dec-11
<b>1 POWER PURCHASES</b>					
a	KANUPP Mill kWh	58.133	9.745	-	25.626
b	PASMIC Mill kWh	0.667	1.203	0.677	0.158
c	TAPAL Mill kWh	61.894	74.492	44.846	50.858
d	GUL AHMED Mill kWh	52.403	-	30.723	54.623
e	NTDC/WAPDA Mill kWh	469.249	465.996	492.350	518.162
f	ANOUD POWER Mill kWh	3.280	4.407	4.749	5.199
h	INT IND (IIL) Mill kWh	9.587	9.373	8.475	8.597
m	TOTAL Mill kWh	<b>655.212</b>	<b>565.217</b>	<b>581.819</b>	<b>663.223</b>
		71.6%	82.4%	84.6%	78.1%
<b>2 COST OF POWER PURCHASE - FUEL COST</b>					
a	KANUPP Mill Rs	455.181	65.550	-	185.912
b	PASMIC Mill Rs	5.544	11.826	5.490	1.144
c	TAPAL Mill Rs	842.979	1,006.867	619.112	741.557
d	GUL AHMED Mill Rs	727.512	-	440.811	823.173
e	NTDC/WAPDA Mill Rs	2,662.684	3,240.586	3,112.954	3,766.694
f	ANOUD POWER Mill Rs	34.252	45.748	51.518	56.961
h	INT IND (IIL) Mill Rs	40.682	40.010	36.034	36.590
m	TOTAL Mill Rs	<b>4,768.835</b>	<b>4,410.587</b>	<b>4,265.919</b>	<b>5,612.032</b>
<b>3 COST OF POWER PURCHASE- Fuel Cost/kWh</b>					
a	KANUPP Rs/kWh	7.830	6.727	-	7.255
b	PASMIC Rs/kWh	8.317	9.827	8.111	7.255
c	TAPAL Rs/kWh	13.620	13.516	13.805	14.581
d	GUL AHMED Rs/kWh	13.883	-	14.348	15.070
e	NTDC/WAPDA Rs/kWh	5.6744	6.9541	6.3226	7.2693
f	ANOUD POWER Rs/kWh	10.443	10.381	10.849	10.956
h	INT IND (IIL) Rs/kWh	4.244	4.269	4.252	4.256
m	AVERAGE Rs/kWh	<b>7.278</b>	<b>7.803</b>	<b>7.332</b>	<b>8.462</b>
<b>4 INCREASE / DECREASE IN FUEL COMPONENT OF POWER PURCHASE - TO BE PASSED IN THE MONTHLY BILLS</b>					
a	Average Monthly Fuel cost of Power   Rs/kWh	7.278	7.803	7.332	8.462
b	Reference Rate - Previous Month Rs/kWh	7.834	7.278	7.278	7.278
c	Increase / Decrease in Average Rate of   Rs/kWh	<b>(0.555)</b>	<b>0.525</b>	<b>0.054</b>	<b>1.183</b>
d	Total Power Purchase (Item 1m) Mill kWh	655.212	565.217	581.819	663.223
e	Increase / Decrease in Fuel Cost of Pow Mill Rs	<b>(363.905)</b>	<b>296.764</b>	<b>31.255</b>	<b>784.888</b>
<b>5 INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS</b>					
a	Fuel price variation in cost of power purchase (Item 1e)	<b>(363.905)</b>	296.764	31.255	784.888
b	Units Sent Out - KESC Mill kWh	630.659	793.461	580.798	328.680
c	Power Purchase Mill kWh	655.212	565.217	581.819	663.223
d	Total Units Sent Out (b + c) Mill kWh	<b>1,285.870</b>	<b>1,358.678</b>	<b>1,162.618</b>	<b>991.903</b>
e	Increase / Decrease in Tariff (5a / 5d x 100)				
	To be passed on to the consumers - FS Ps/kWh	<b>(28.300)</b>	<b>21.842</b>	<b>2.688</b>	<b>79.129</b>
<b>6 INCREASE / DECREASE IN REVENUE</b>					
a	Units Sold Mill kWh	1,015.837	1,073.355	918.468	783.604
b	Increase / Decrease in Tariff (Item 5e) Ps/kWh	<b>(28.300)</b>	21.842	2.688	79.129
c	Increase / Decrease in Revenue (6a / 6l Mill Rs	<b>(287.485)</b>	234.444	24.691	620.061
d	Accumulated increase / decrease in revenue Mill Rs	<b>(704.165)</b>	<b>234.444</b>	<b>259.135</b>	<b>879.196</b>
e	Unrecovered Cost due to 21% T&D loss Mill Rs				

## Work Sheet- Power Purchase Cost Variation

DESCRIPTION			Sep-11	Oct-11	Nov-11	Dec-11
<b>7 O&amp;M PAYMENT</b>						
a	KANUPP	Mill Rs	30.147	5.053	-	13.289
b	PASMIC	Mill Rs	0.857	1.547	1.547	0.203
c	TAPAL	Mill Rs	49.682	59.795	35.998	40.824
d	GUL AHMED	Mill Rs	24.556	-	14.397	25.596
e	NTDC/WAPDA	Mill Rs	883.382	736.572	1,006.711	924.234
f	ANOUD POWER	Mill Rs	5.362	7.204	7.762	8.498
h	INT IND (IIL)	Mill Rs	15.059	14.464	13.093	13.269
m	TOTAL	Mill Rs	<b>1,009.044</b>	<b>824.635</b>	<b>1,079.508</b>	<b>1,025.914</b>
<b>8 O&amp;M PAYMENT (Rs/kWh)</b>						
a	KANUPP	Rs/kWh	0.519	0.519	-	0.519
b	PASMIC	Rs/kWh	1.285	1.285	2.285	1.285
c	TAPAL	Rs/kWh	0.803	0.803	0.803	0.803
d	GUL AHMED	Rs/kWh	0.469	-	0.469	0.469
e	NTDC/WAPDA	Rs/kWh	1.883	1.581	2.045	1.784
f	ANOUD POWER	Rs/kWh	1.635	1.635	1.635	1.635
h	INT IND (IIL)	Rs/kWh	1.571	1.543	1.545	1.543
m	TOTAL	Rs/kWh	1.540	1.459	1.855	1.547
n	Variation over Base Rate	Rs/kWh	0.252	(0.081)	0.315	0.007
o	Variation over Base Rate (8a*1m)	Mill Rs	<b>165.157</b>	<b>(45.814)</b>	<b>183.490</b>	<b>4.532</b>
<b>9 CAPACITY PAYMENT</b>						
c	TAPAL	Mill Rs	111.539	112.620	112.620	112.620
d	GUL AHMED	Mill Rs	101.377	101.977	101.977	101.977
m	TOTAL	Mill Rs	<b>212.916</b>	<b>214.597</b>	<b>214.597</b>	<b>214.597</b>
<b>10 CAPACITY PAYMENT (Rs/ kWh)</b>						
c	TAPAL	Mill Rs	1.802	1.512	2.511	2.214
d	GUL AHMED	Mill Rs	1.935	-	3.319	1.867
m	TOTAL	Mill Rs	0.325	0.380	0.369	0.324
n	Variation over Base Rate	Rs/kWh	(0.001)	0.055	0.044	(0.001)
o	Variation over Base Rate (10n*1m)	Mill Rs	<b>(0.400)</b>	<b>30.926</b>	<b>25.530</b>	<b>(0.922)</b>
<b>11 TOTAL O&amp;M &amp; CAPACITY PAYMENT</b>						
a	KANUPP	Mill Rs	30.147	5.053	-	13.289
b	PASMIC	Mill Rs	0.857	1.547	1.547	0.203
c	TAPAL	Mill Rs	161.221	172.415	148.618	153.444
d	GUL AHMED	Mill Rs	125.933	101.977	116.374	127.573
e	NTDC/WAPDA	Mill Rs	883.382	736.572	1,006.711	924.234
f	ANOUD POWER	Mill Rs	5.362	7.204	7.762	8.498
h	INT IND (IIL)	Mill Rs	15.059	14.464	13.093	13.269
m	TOTAL	Mill Rs	<b>1,221.960</b>	<b>1,039.232</b>	<b>1,294.105</b>	<b>1,240.511</b>
<b>12 TOTAL COST WITH O&amp;M AND CAPACITY PAYMENT</b>						
a	KANUPP	Mill Rs	485.328	70.603	-	199.201
b	PASMIC	Mill Rs	6.400	13.373	7.037	1.347
c	TAPAL	Mill Rs	1,004.200	1,179.283	767.730	895.001
d	GUL AHMED	Mill Rs	853.445	101.977	557.184	950.746
e	NTDC/WAPDA	Mill Rs	3,546.067	3,977.158	4,119.665	4,690.928
f	ANOUD POWER	Mill Rs	39.614	52.952	59.280	65.460
h	INT IND (IIL)	Mill Rs	55.741	54.474	49.127	49.860
m	TOTAL	Mill Rs	<b>5,990.795</b>	<b>5,449.820</b>	<b>5,560.024</b>	<b>6,852.543</b>

## Work Sheet- Power Purchase Cost Variation

DESCRIPTION		Sep-11	Oct-11	Nov-11	Dec-11
<b>13 COST OF POWER PURCHASE- TOTAL Cost/kWh</b>					
a	KANUPP Rs/kWh	8.349	7.245	-	7.773
b	PASMIC Rs/kWh	9.602	11.112	10.396	8.540
c	TAPAL Rs/kWh	16.225	15.831	17.119	17.598
d	GUL AHMED Rs/kWh	16.286	-	18.136	17.406
e	NTDC/WAPDA Rs/kWh	7.557	8.535	8.367	9.053
f	ANOUD POWER Rs/kWh	12.077	12.015	12.484	12.591
h	INT IND (IIL) Rs/kWh	5.814	5.812	5.797	5.799
m	AVERAGE Rs/kWh	<b>9.143</b>	<b>9.642</b>	<b>9.556</b>	<b>10.332</b>
<b>14 INCREASE / DECREASE IN POWER PURCHASE COST - TOTAL</b>					
a	Average Monthly cost of Power Purchase Rs/kWh	9.143	9.642	9.556	10.332187
b	Reference Rate - Previous Month Rs/kWh	9.447	9.143	9.143	9.143
c	Increase / Decrease in Average Rate of Power Purchase Rs/kWh	(0.303944)	0.499	0.413	1.189
d	Total Power Purchase (Item 1m) Mill kWh	655.211551	565.217	581.819	663.223
e	Increase / Decrease in Total Cost of Power Purchase Mill Rs	<b>(199.147626)</b>	<b>281.876</b>	<b>240.275</b>	<b>788.497</b>
f	Adjustment in cost of KANUPP				
g	Unrecovered cost Previous Quarter				
h	Total (e+f+g)	(199.148)	281.876	240.275	788.497
<b>15 INCREASE / DECREASE IN TARIFF TO BE ADJUSTED ON QUARTERLY BASIS</b>					
a	Total price variation in cost of power purchase Units Sent Out Mill Rs	(199.148)	281.876	240.275	788.497
b	KESC Mill kWh	630.659	793.461	580.798	328.680
c	Power Purchase Mill kWh	655.212	565.217	581.819	663.223
d	Total Units Sent Out (b+c) Mill kWh	1,285.870	1,358.678	1,162.618	991.903
e	Trans & Dist Losses %	21.0%	21.0%	21.0%	21.0%
f	Units Sold (15d-15e) Mill kWh	<b>1,015.837</b>	<b>1,073.355</b>	<b>918.468</b>	<b>783.604</b>
g	Increase / Decrease in Tariff				
h	Power Purchase (15a/15f) Ps/kWh	<b>(19.604)</b>	<b>26.261</b>	<b>26.160</b>	<b>100.625</b>
<b>16 INCREASE / DECREASE IN REVENUE</b>					
a	Units Sold (Item 15f) Mill kWh	1,015.837	1,073.355	918.468	783.604
b	Increase / Decrease in Tariff (Item 15h) Ps/kWh	(19.604)	26.261	26.160	100.625
c	Increase / Decrease in Revenue (a*b) Mill Rs	(199.148)	281.876	240.275	788.497

**K E S C LTD.**
**Breakup of Cost of Power Purchases**

DESCRIPTION		Sep-11	Oct-11	Nov-11	Dec-11
<b>1 KANUPP</b>					
Units Purchased	Mill kWh	58.132800	9.744768	-	25.625952
Fuel Cost	Mill Rs	455.181248	65.549958	-	185.912366
Variable O & M	Mill Rs	30.146507	5.053442	-	13.289106
<b>Total Cost</b>	<b>Mill Rs</b>	<b>485.327755</b>	<b>70.603400</b>	-	<b>199.201472</b>
<b><u>RATE OF PURCHASE FROM KANUPP</u></b>					
Fuel Cost	Rs/kWh	7.830024	6.726682	-	7.254847
Variable O & M	Rs/kWh	0.518580	0.518580	-	0.518580
<b>Total Cost</b>	<b>Rs/kWh</b>	<b>8.348604</b>	<b>7.245262</b>	-	<b>7.773427</b>
<b>2 PASMIC</b>					
Units Purchased	Mill kWh	0.666574	1.203427	0.676861	0.157754
Fuel Cost	Mill Rs	5.543621	11.826045	5.489918	1.144481
Variable O & M	Mill Rs	0.856794	1.546849	1.546849	0.202772
<b>Total Cost</b>	<b>Mill Rs</b>	<b>6.400415</b>	<b>13.372894</b>	<b>7.036767</b>	<b>1.347253</b>
<b><u>RATE OF PURCHASE FROM PASMIC</u></b>					
Fuel Cost	Rs/kWh	8.316587	9.826973	8.110850	7.254847
Variable O & M	Rs/kWh	1.285370	1.285370	1.285370	1.285370
<b>Total Cost</b>	<b>Rs/kWh</b>	<b>9.601957</b>	<b>11.112343</b>	<b>10.396178</b>	<b>8.540217</b>
<b>3 Tapal Energy Ltd.</b>					
Units Purchased	Mill kWh	61.894000	74.492400	44.846400	50.858000
Fuel cost	Mill Rs	842.979227	1,006.867397	619.111992	741.556898
Variable O & M	Mill Rs	49.682314	59.795049	35.998205	40.823717
<b>Total Energy Purchase Price</b>	<b>Mill Rs</b>	<b>892.661541</b>	<b>1,066.662446</b>	<b>655.110197</b>	<b>782.380615</b>
Capacity Purchase Price	Mill Rs	111.538815	112.620095	112.620095	112.620095
<b>Total Cost</b>	<b>Mill Rs</b>	<b>1,004.200356</b>	<b>1,179.282541</b>	<b>767.730292</b>	<b>895.000710</b>
Payment of WWF for the year ended June 30 2009 and		-	-	-	-
Payment of WPPF for the year ended June 30 2009 and		-	-	-	-
<b>Total Cost</b>		<b>1,004.200356</b>	<b>1,179.282541</b>	<b>767.730292</b>	<b>895.000710</b>
<b><u>RATE OF PURCHASE FROM TAPAL</u></b>					
Fuel cost	Rs/kWh	13.620	13.516	13.805	14.581
Variable O & M	Rs/kWh	0.803	0.803	0.803	0.803
<b>Total Energy Purchase Price</b>	<b>Rs/kWh</b>	<b>14.422</b>	<b>14.319</b>	<b>14.608</b>	<b>15.384</b>
Capacity Purchase Price	Rs/kWh	1.802	1.512	2.511	2.214
<b>Total Cost</b>	<b>Rs/kWh</b>	<b>16.225</b>	<b>15.831</b>	<b>17.119</b>	<b>17.598</b>
Adj of WPPF and WWF for the year ended June 30 2009		16.225	15.831	17.119	17.598
<b>4 Gul Ahmed Energy Ltd.</b>					
Units Purchased	Mill kWh	52.402699	-	30.723053	54.623270
Fuel cost	Mill Rs	727.512265	-	440.810665	823.172558
Variable O & M	Mill Rs	24.555905	-	14.396823	25.596464
<b>Total Energy Purchase Price</b>	<b>Mill Rs</b>	<b>752.068170</b>	-	<b>455.207488</b>	<b>848.769022</b>
Capacity Purchase Price	Mill Rs	101.377175	101.976872	101.976872	101.976872
<b>Total Cost</b>	<b>Mill Rs</b>	<b>853.445345</b>	<b>101.976872</b>	<b>557.184360</b>	<b>950.745894</b>
Payment of WWF for the year ended June 30 2009 and		-	-	-	-
Payment of WPPF for the year ended June 30 2009 and		-	-	-	-
<b>Total Cost</b>		<b>853.445345</b>	<b>101.976872</b>	<b>557.184360</b>	<b>950.745894</b>
<b><u>RATE OF PURCHASE FROM GUL AHMED</u></b>					
Fuel cost	Rs/kWh	13.883	-	14.348	15.070
Variable O & M	Rs/kWh	0.469	-	0.469	0.469
<b>Total Energy Purchase Price</b>	<b>Rs/kWh</b>	<b>14.352</b>	-	<b>14.816</b>	<b>15.539</b>
Capacity Purchase Price	Rs/kWh	1.935	#DIV/0!	3.319	1.867
<b>Total Cost</b>	<b>Rs/kWh</b>	<b>16.286</b>	<b>#DIV/0!</b>	<b>18.136</b>	<b>17.406</b>

**Breakup of Cost of Power Purchases**

DESCRIPTION		Sep-11	Oct-11	Nov-11	Dec-11	
<b>5</b>	<b><u>NTDC/WAPDA</u></b>					
	Units Imported	Mill kWh	469.248700	465.995700	492.349900	518.161500
	Maximum Demand	MW	820	740	850	830
	Use of system charges	Mill Rs	82.123000	74.111000	85.127500	83.124500
	Energy Transfer Charges					
	- Capacity Transfer charges	Mill Rs	801.259408	662.460856	921.583549	841.109722
	- Energy Transfer Charges I	Mill Rs	2,634.003696	3,151.676174	3,021.361782	3,645.372376
	- Energy Transfer Charges II	Mill Rs	28.680481	88.909650	91.591852	121.321815
	Adjustment for Finance Cost to IPPs		-	-	-	-
	Total Energy Transfer Charges	Mill Rs	<b>3,463.943585</b>	<b>3,903.046680</b>	<b>4,034.537183</b>	<b>4,607.803913</b>
	Total Cost without GST	Mill Rs	3,546.066585	3,977.157680	4,119.664683	4,690.928413
	GST @ 16%	Mill Rs	421.440591	504.268188	483.417885	583.259580
	Total Cost With GST	Mill Rs	3,967.507176	4,481.425868	4,603.082568	5,274.187993
	<b><u>RATE OF PURCHASE FROM NTDC</u></b>					
	Use of system charges	Rs/kWh	0.175	0.159	0.173	0.160
	Energy Transfer Charges					
	- Capacity Transfer charges	Rs/kWh	1.708	1.422	1.872	1.623
	- Energy Transfer Charges I	Rs/kWh	5.6132	6.7633	6.1366	7.0352
	- Energy Transfer Charges II	Rs/kWh	0.0611	0.1908	0.1860	0.2341
	Adjustment for Finance Cost		-	-	-	-
	Total Energy Transfer Charges	Rs/kWh	7.382	8.376	8.194	8.893
	Total Cost without GST	Rs/kWh	7.557	8.535	8.367	9.053
	GST @ 16%	Rs/kWh	0.898	1.082	0.982	1.126
	Total Cost With GST	Rs/kWh	8.455	9.617	9.349	10.179
<b>6</b>	<b><u>ANOUD Power</u></b>					
	Units Purchased	Mill kWh	3.280092	4.407018	4.748612	5.199114
	Energy Charges	Mill Rs	34.252361	45.748372	51.518167	56.961493
	Variable O & M	Mill Rs	5.361638	7.203712	7.762081	8.498472
	Total Cost	Mill Rs	<b>39.613999</b>	<b>52.952084</b>	<b>59.280248</b>	<b>65.459965</b>
	GST @ 16%		6.338240	8.472333	9.484840	10.473594
			45.952239	61.424417	68.765088	75.933559
	<b><u>RATE OF PURCHASE FROM ANOUD POWER</u></b>					
	Energy Charges	Rs/kWh	10.442500	10.380800	10.849100	10.956000
	Variable O & M	Rs/kWh	1.634600	1.634600	1.634600	1.634600
	Total Cost	Rs/kWh	12.077100	12.015400	12.483700	12.590600
<b>7</b>	<b><u>INTL. STEEL - 19MW Original Invoice</u></b>					
	Units Purchased	Mill kWh	9.144433	8.701488	7.747876	7.966178
	Fuel Cost	Mill Rs	38.900418	37.303279	33.106674	34.047445
	Variable and other charges	Mill Rs	14.027560	13.348083	11.885242	12.220117
	Differential due to increase in borrowing c	Mill Rs	0.295986	-	-	-
	Amount excluding GST	Mill Rs	<b>53.223964</b>	<b>50.651362</b>	<b>44.991916</b>	<b>46.267562</b>
	GST @ 16%	Mill Rs	8.515834	8.104218	7.198707	7.402810
	Amount payable with GST	Mill Rs	61.739798	58.755580	52.190623	53.670372
	<b><u>Rate of Purchahase from IIL Industries</u></b>					
	Fuel Cost	Rs/kWh	4.254000	4.287000	4.273000	4.274000
	Variable and other charges	Rs/kWh	1.534000	1.534000	1.534000	1.534000
	Differential due to increase in borrowing c	Rs/kWh	0.032368	-	-	-
	Rate excluding GST		5.820368	5.821000	5.807000	5.808000
	GST @ 16%		0.931259	0.931360	0.929120	0.929280
	Rate with GST		6.751627	6.752360	6.736120	6.737280
	<b><u>Intl. Steel Verified for Payment</u></b>					
	Units Purchased	Mill kWh	9.144433	8.701488	7.747876	7.966178
	Fuel Cost	Mill Rs	38.900418	37.303279	33.106674	34.047445
	Variable and other charges	Mill Rs	14.027560	13.348083	11.885242	12.220117
	Differential due to increase in borrowing c	Mill Rs	0.295986	-	-	-
	Amount excluding GST	Mill Rs	<b>53.223964</b>	<b>50.651362</b>	<b>44.991916</b>	<b>46.267562</b>



**Breakup of Cost of Power Purchases**

DESCRIPTION		Sep-11	Oct-11	Nov-11	Dec-11
GST @ 17%	Mill Rs	8.515834	8.104218	7.198707	7.402810
Amount payable with GST	Mill Rs	61.739798	58.755580	52.190623	53.670372
<b><u>Rate of Purchase from IIL Industries</u></b>					
Fuel Cost	Rs/kWh	4.254000	4.287000	4.273000	4.274000
Variable and other charges	Rs/kWh	1.534000	1.534000	1.534000	1.534000
Differential due to increase in borrowing c	Rs/kWh	0.032368	-	-	-
Rate excluding GST		5.820368	5.821000	5.807000	5.808000
GST @ 16%		0.931259	0.921000	0.929120	0.929280
Rate with GST		6.751627	6.752360	6.736120	6.737280
<b>8 <u>IIL INDUSTRIES 4 MW- Original Invoice</u></b>					
Units Purchased	Mill kWh	0.442253	0.671722	0.726653	0.631187
Fuel Cost	Mill Rs	1.781837	2.706368	2.927685	2.543052
Variable and other charges	Mill Rs	0.735024	1.116402	1.207697	1.049033
Differential due to increase in borrowing c	Mill Rs	-	-	-	-
Amount excluding GST	Mill Rs	2.516862	3.822770	4.135382	3.592085
GST @ 16%	Mill Rs	0.402698	0.611643	0.661661	0.574734
Amount payable with GST	Mill Rs	2.919560	4.434413	4.797043	4.166819
<b><u>Rate of Purchase from IIL Industries</u></b>					
Fuel Cost	Rs/kWh	4.029000	4.029000	4.029000	4.029000
Variable and other charges	Rs/kWh	1.662000	1.662000	1.662000	1.662000
Differential due to increase in borrowing c	Rs/kWh	-	-	-	-
Rate excluding GST		5.691000	5.691000	5.691000	5.691000
GST @ 16%		0.910560	0.910560	0.910560	0.910560
Rate with GST		6.601560	6.601560	6.601560	6.601560
<b><u>IIL INDUSTRIES 4 MW- Verified for Payment</u></b>					
Units Purchased	Mill kWh	0.442253	0.671722	0.726653	0.631187
Fuel Cost	Mill Rs	1.781837	2.706368	2.927685	2.543052
Variable and other charges	Mill Rs	0.735024	1.116402	1.207697	1.049033
Differential due to increase in borrowing c	Mill Rs	-	-	-	-
Amount excluding GST	Mill Rs	2.516862	3.822770	4.135382	3.592085
GST @ 16%	Mill Rs	0.402698	0.611643	0.661661	0.574734
Amount payable with GST	Mill Rs	2.919560	4.434413	4.797043	4.166819
<b><u>Rate of Purchase from IIL Industries</u></b>					
Fuel Cost	Rs/kWh	4.029000	4.029000	4.029000	4.029000
Variable and other charges	Rs/kWh	1.662000	1.662000	1.662000	1.662000
Differential due to increase in borrowing c	Rs/kWh	-	-	-	-
Rate excluding GST		5.691000	5.691000	5.691000	5.691000
GST @ 16%		0.910560	0.910560	0.910560	0.910560
Rate with GST		6.601560	6.601560	6.601560	6.601560
<b><u>IIL INDUSTRIES COMBINED - Verified for Payment</u></b>					
Units Purchased	Mill kWh	9.586686	9.373210	8.474529	8.597365
Fuel Cost	Mill Rs	40.682255	40.009647	36.034359	36.590497
Variable and other charges	Mill Rs	14.762585	14.464485	13.092939	13.269150
Differential due to increase in borrowing c	Mill Rs	0.295986	-	-	-
Amount excluding GST	Mill Rs	55.740826	54.474132	49.127298	49.859647
GST @ 17%	Mill Rs	9.475940	9.260602	8.351641	8.476140
Amount payable with GST	Mill Rs	65.216766	63.734734	57.478939	58.335787
		55.346191	54.474132	49.127298	
<b><u>RATE OF PURCHASE FROM IIL</u></b>					
Fuel Cost	Rs/kWh	4.243620	4.268511	4.252078	4.256013
Variable and other charges	Rs/kWh	1.539905	1.543173	1.544975	1.543397
Differential due to increase in borrowing c	Rs/kWh	0.030875	-	-	-
Rate excluding GST		5.814400	5.811684	5.797053	5.799410
GST @ 17%		0.988448	0.987986	0.985499	0.985900
Rate with GST		6.802848	6.799670	6.782553	6.785310