

**THE KARACHI ELECTRIC SUPPLY COMPANY LTD.**

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Ref. No.CMF/NEPRA/071/558

Dated: February 3, 2010

The Registrar  
National Electric Power Regulatory Authority  
2<sup>ND</sup> 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 2010.**

This is further to our letter no. CMF/NEPRA/071/529 dated 18<sup>th</sup> January, 2010, wherein the required adjustment in KESC's Schedule of tariff for the quarter ended December 2010 was submitted.

In the request for the tariff adjustment, it was stated that the cost of power purchase from NTDC for December 2010 has been accounted for based on the invoice received from NTDC for December 10 and after deducting Rs 0.296/kWh, the adjustment made by NEPRA in November 2010 in respect of the markup/ finance cost adjustment in the cost of NTDC. However, the required adjustment in KESC's schedule of tariff for the quarter ended December 2010 based on NTDC's invoice is as follows;

**Required Adjustment in Schedule of Tariff for the Quarter ended December 2010**

DESCRIPTION	December 2010 (Over September 2010)	December 2010 - Revised (Over September 2010)
Fuel Price Variation (Ps/ Kwh)	30.232	30.232
Power Purchase Price Variation (Ps/ Kwh)	99.678	118.530
<b>Total Variation in Tariff (Ps/ Kwh)</b>	<b>130.000</b>	<b>148.762</b>

**Unrecovered Cost**

The Unrecovered cost based on the invoice received from NTDC is as follows;

Unrecovered Cost for the period October 2010 to December 2010	Amount (Mill Rs)
Variation in O&M cost of IPPs and other sources	74.171
Variation in Capacity charges of IPPs and other sources	67.445
Unrecovered cost due to non-adjustment of T&D losses in the monthly FSA	291.236
Unrecovered cost from July 2010 to September 2010	(86.211)
Adjustment of Fixed Cost of KANUPP	25.930
Adjustment of Fixed Cost of PASMIC (Note 1)	20.773
WWF and WPPF payment of Tapal Energy Limited and Gul Ahmed Energy Limited	107.125
Amortization of Mobilization Advance Payment to Aggreeko (Mar 09 – Dec 10)	99.782
Customs Duty Payment and Currency Adjustment of Aggreeko	69.352
<b>Total Unrecovered Cost for Oct – Dec 10</b>	<b>669.603</b>
<b>Estimated Units to be sold @23% T&amp;D loss in the next quarter (Gwh)</b>	<b>2,436</b>
<b>Required Adjustment in KESC's Tariff (Ps/kWh)</b>	<b>27.484</b>

**Note 1:**

The cost of power purchase from PASMIC is based on the sum of the fixed Generation cost per unit sent out and total transmission cost per unit sent out, based on our annual audited accounts. The cost chargeable by PASMIC for the financial year 2009-10 has increased by Ps 60.057/kWh over the financial year 2008-09. Therefore the claim for the additional cost for period July 10 to November 10 of Rs 20.773 million has been made.

In view of the above, the overall revised increase in the KESC's tariff on account of fuel price, power purchase cost works out to be as follows:

<b>Total Required Adjustment in KESC's Tariff</b>	<b>Ps/kWh</b>
Required Adjustment in KESC's tariff	148.762
Unrecovered Cost for Oct – Dec 10	27.484
<b>Sub Total</b>	<b>176.246</b>
<b>Unrecovered Cost for Jul– Sep 10</b>	<b>24.490</b>
<b>Total Required Adjustment in KESC Tariff</b>	<b>200.736</b>

The requisite data on the captioned subject has been enclosed for your reference.

Best Regards



Abdul Rauf Yousuf  
Director (RA & SP)

Copy to:

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

**K. E. S. C. LTD**

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

DESCRIPTION		Oct-10	Nov-10	Dec-10	Oct-Dec 2010	
<b>1 REQUIRED ADJUSTMENT IN TARIFF (FSA) ON UNITS SOLD BASIS</b>						
a.	Monthly Variation in					
	i Fuel Price	Mill Rs.	387.151	(392.344)	221.065	215.873
	ii Power Purchase Price	Mill Rs.	362.284	(37.029)	866.734	1,191.989
	iii Total Monthly Variation ( i + ii ) - Over Reference Tariff	Mill Rs.	<b>749.44</b>	<b>(429.37)</b>	<b>1,087.80</b>	<b>1,407.86</b>
b.	Units Sold at 23% T&D losses	Mill kWh	<b>1,058.00</b>	<b>845.33</b>	<b>731.23</b>	<b>2,634.56</b>
<b>2</b>						
a.	Monthly Variation in					
	i Fuel Price (1ai/1b)	Ps/kWh	36.593	(46.413)	30.232	
	ii Power Purchase Price (1aii/1b)	Ps/kWh	34.242	(4.380)	118.530	
b.	Monthly increase/decrease to be passed to Consumers (i+ii)	Ps/kWh	<b>70.835</b>	<b>(50.793)</b>	<b>148.762</b>	
c.	Increase/ Decrease in Revenue due to FSA	Mill Rs.	<b>749.44</b>	<b>(429.37)</b>	<b>1,087.80</b>	<b>1,407.86</b>
<b>1 MONTHLY ALLOWABLE ADJUSTMENT ON UNITS SENT OUT BASIS</b>						
a.	Monthly Variation in					
	i Fuel Price	Mill Rs.	387.151	(392.344)	221.065	215.873
	ii Power Purchase Price - Fuel component	Mill Rs.	406.892	(100.746)	744.227	1,050.372
	iii Total Monthly Variation ( i + ii ) - Over Reference Tariff	Mill Rs.	<b>794.043</b>	<b>(493.090)</b>	<b>965.292</b>	<b>1,266.245</b>
b.	Units Sent Out	Mill kWh	<b>1,374.024</b>	<b>1,097.834</b>	<b>949.654</b>	<b>3,421.511</b>
<b>2</b>						
a.	Monthly Variation in FSA - due to					
	i Fuel Price	Ps/kWh	28.176	(35.738)	23.278	
	ii Power Purchase Price - Fuel component	Ps/kWh	29.613	(9.177)	78.368	
b.	Monthly increase/decrease to be passed to Consumers (i+ii)	Ps/kWh	<b>57.790</b>	<b>(44.915)</b>	<b>101.647</b>	
c.	Units Sold at 23% T&D losses	Mill kWh	<b>1,057.998</b>	<b>845.332</b>	<b>731.234</b>	<b>2,634.564</b>
d.	Increase/ Decrease in Revenue due to FSA	Mill Rs.	<b>611.413</b>	<b>(379.679)</b>	<b>743.275</b>	<b>975.009</b>
<b>3</b>	<b>MONTHLY SHORTFALL/(SURPLUS) IN REVENUE ( 1aiii -2d )</b>	Mill Rs.	<b>182.630</b>	<b>(113.411)</b>	<b>222.017</b>	<b>291.236</b>
<b>1 QUARTERLY ALLOWABLE ADJUSTMENT ON UNITS SOLD BASIS - UNRECOVERED COST</b>						
a.	Monthly Variation in					
	i Fuel Price	Mill Rs.	387.151	(392.344)	221.065	215.873
	ii Power Purchase Price - Fuel component	Mill Rs.	362.284	(37.029)	866.734	1,191.989
	iii Total Monthly Variation ( i + ii ) - Over Reference Tariff	Mill Rs.	<b>749.435</b>	<b>(429.373)</b>	<b>1,087.799</b>	<b>1,407.861</b>
b.	Passed on to consumers in monthly FSA	Mill Rs.	<b>611.413</b>	<b>(379.679)</b>	<b>743.275</b>	<b>975.009</b>
d.	Adjustment for Fixed Cost of KANUPP	Mill Rs.				<b>25.930</b>
d.	Adjustment for Fixed Cost of PASMIC	Mill Rs.				<b>20.773</b>
e.	Unrecovered Cost (Jul-Sep)	Mill Rs.				<b>(86.211)</b>
f.	Other Unrecovered Cost	Mill Rs.				<b>276.258</b>
c.	Balance to be adjusted in SOT	Mill Rs.	<b>138.022</b>	<b>(49.694)</b>	<b>344.524</b>	<b>669.603</b>
g.	Estimated units sold Jan 2011 - Mar 2011	Mill kWh				<b>2,436.296</b>
h.	Required Adjustment in Tariff for Unrecovered Costs	Ps/kWh				<b>27.484</b>

**Work Sheet- Fuel Price Variation**

DESCRIPTION		Sep-10	Oct-10	Nov-10	Dec-10	Oct-Dec 10
<b>1 UNITS SENT OUT - KESC</b>						
<b>1a UNITS SENT OUT ON GAS</b>						
i Bin Qasim	Mill kWh	233.482	172.196	184.577	99.652	456.426
ii Korangi Thermal	Mill kWh	35.580	33.898	7.456	(0.336)	41.018
iii Korangi Gas 1	Mill kWh	-	-	-	-	-
iv Korangi Gas 2	Mill kWh	59.268	61.654	58.981	47.854	168.489
v Site Gas 1	Mill kWh	-	-	-	-	-
vi Site Gas 2	Mill kWh	57.995	45.902	50.859	41.044	137.806
vii Korangi combined	Mill kWh	120.279	112.735	83.645	74.758	271.138
viii Total (i to vii)	Mill kWh	506.604	426.386	385.518	262.972	1,074.875
<b>1b UNITS SENT OUT ON F. OIL</b>						
i Bin Qasim	Mill kWh	166.845	218.579	94.745	101.438	414.763
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	166.845	218.579	94.745	101.438	414.763
<b>1c TOTAL UNITS SENT OUT (1 + 2)</b>						
i Bin Qasim	Mill kWh	400.327	390.776	279.322	201.090	871.188
ii Korangi Thermal	Mill kWh	35.580	33.898	7.456	(0.336)	41.018
iii Korangi Gas 1	Mill kWh	-	-	-	-	-
iv Korangi Gas 2	Mill kWh	59.268	61.654	58.981	47.854	168.489
v Site Gas 1	Mill kWh	-	-	-	-	-
vi Site Gas 2	Mill kWh	57.995	45.902	50.859	41.044	137.806
vii Korangi combined	Mill kWh	120.279	112.735	83.645	74.758	271.138
viii Total (i to vii)	Mill kWh	673.449	644.965	480.263	364.409	1,489.638
<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 Korangi Thermal	Btu/kWh	13,738	13,738	13,738	13,738	
iii Korangi Gas 1	Btu/kWh	17,039	17,039	17,039	17,039	
iv Korangi Gas 2	Btu/kWh	9,500	9,500	9,500	9,500	
v Site Gas 1	Btu/kWh	17,039	17,039	17,039	17,039	
vi Site Gas 2	Btu/kWh	10,000	9,500	9,500	9,500	
vii 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	393.79	393.79	393.79	393.79	
b Fuel Price -F.O (Rs/Kg)	Rs/Kg	40,502	41,093	30,846	44,781	
<b>4 COST OF FUEL</b>						
<b>4a COST OF GAS</b>						
i Bin Qasim	Mill Rs	979.192	722.168	774.091	417.932	
ii Korangi Thermal	Mill Rs	192.484	183.387	40.336	(1.816)	
iii Korangi Gas 1	Mill Rs	-	-	-	-	
iv Korangi Gas 2	Mill Rs	221.722	230.647	220.648	179.023	
v Site Gas 1	Mill Rs	-	-	-	-	
vi Site Gas 2	Mill Rs	228.379	171.719	190.264	153.547	
vii Korangi combined	Mill Rs	431.492	404.430	300.070	268.189	
viii Total (i to vii)	Mill Rs	2,053.269	1,712.351	1,525.409	1,016.876	
<b>4b COST OF FURNACE OIL</b>						
i Bin Qasim	Mill Rs	1,783.982	2,371.266	771.541	1,199.196	
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	1,783.982	2,371.266	771.541	1,199.196	
<b>4c TOTAL COST OF FUEL</b>						
i Bin Qasim	Mill Rs	2,763.173	3,093.433	1,545.632	1,617.128	
ii Korangi Thermal	Mill Rs	192.484	183.387	40.336	(1.816)	
iii Korangi Gas 1	Mill Rs	-	-	-	-	
iv Korangi Gas 2	Mill Rs	221.722	230.647	220.648	179.023	
v Site Gas 1	Mill Rs	-	-	-	-	
vi Site Gas 2	Mill Rs	228.379	171.719	190.264	153.547	
vii Korangi combined	Mill Rs	431.492	404.430	300.070	268.189	
viii Total	Mill Rs	3,837.250	4,083.616	2,296.950	2,216.072	

## Work Sheet- Fuel Price Variation

DESCRIPTION		Sep-10	Oct-10	Nov-10	Dec-10	Oct-Dec 10
<b>5 COST OF FUEL PER KWH</b>						
a Bin Qasim	Rs/kWh	6.902	7.916	5.534	8.042	
b Korangi Thermal	Rs/kWh	5.410	5.410	5.410	5.410	
c Korangi Gas 1	Rs/kWh	6.710	6.710	6.710	6.710	
d Korangi Gas 2	Rs/kWh	3.741	3.741	3.741	3.741	
e Site Gas 1	Rs/kWh	-	-	-	-	
f Site Gas 2	Rs/kWh	3.938	3.741	3.741	3.741	
g Korangi combined	Rs/kWh	3.587	3.587	3.587	3.587	
<b>6 INCREASE/DECREASE IN COST OF FUEL PER KWH</b>						
a Bin Qasim	Rs/kWh		1.014	(1.369)	1.140	
b Korangi Thermal	Rs/kWh		0.000	0.000	0.000	
c Korangi Gas 1	Rs/kWh		-	-	-	
d Korangi Gas 2	Rs/kWh		0.000	0.000	0.000	
e Site Gas 1	Rs/kWh		-	-	-	
f Site Gas 2	Rs/kWh		(0.197)	(0.197)	(0.197)	
g Korangi combined	Rs/kWh		0.000	(0.000)	0.000	
<b>7 INCREASE / DERCREASE IN FUEL COST OVER PREVIOUS MONTH</b>						
a Bin Qasim	Mill Rs		396.189	(382.330)	229.146	
b Korangi Thermal	Mill Rs		(0.000)	0.000	(0.000)	
c Korangi Gas 1	Mill Rs		-	-	-	
d Korangi Gas 2	Mill Rs		0.000	0.000	(0.000)	
e Site Gas 1	Mill Rs		-	-	-	
f Site Gas 2	Mill Rs		(9.038)	(10.014)	(8.079)	
g Korangi combined	Mill Rs		(0.000)	(0.000)	(0.000)	
h Total (a to g)	Mill Rs		387.151	(392.344)	221.065	
<b>8 INCREASE / DERCREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS</b>						
a Fuel price variation (item 7-h)	Mill Rs	-	387.151	(392.344)	221.065	215.873
b Units Sent Out - KESC	Mill kWh	673.449	644.965	480.263	364.409	
c Power Purchase	Mill kWh	678.977	729.059	617.571	585.244	
d Total Units Sent Out (b + c)	Mill kWh	1,352.426	1,374.024	1,097.834	949.654	
e Increase / Decrease in Tariff (8a / 8d x 100) To be passed on to the consumers - FSA	Ps/kWh	-	28.176	(35.738)	23.278	
<b>9 INCREASE / DERCREASE IN REVENUE</b>						
a Units Sold	Mill kWh	1,041.368	1,057.998	845.332	731.234	
b Increase / Decrease in Tariff	Ps/kWh	-	28.176	(35.738)	23.278	
c Increase / Decrease in Revenue (9a / 9b x 100)	Mill Rs	-	298.106	(302.105)	170.220	166.222
d Accumulated increase / decrease in revenue	Mill Rs		298.106	(3.998)	166.222	49.651
e Unrecovered Cost due to 23% T&D loss						291.236
<b>10 INCREASE / DERCREASE IN TARIFF TO BE ADJUSTED ON QUARTERLY BASIS</b>						
a Fuel price variation - item 8a		-	387.151	(392.344)	221.065	
b Units Sent Out - KESC	Mill kWh	673.449	644.965	480.263	364.409	
c Power Purchase	Mill kWh	678.977	729.059	617.571	585.244	
d Total Units Sent Out	Mill kWh	1,352.426	1,374.024	1,097.834	949.654	
e Trans & Dist Losses		23%	23%	23%	23%	
f Units Sold (10d - 10e)	Mill kWh	1,041.368	1,057.998	845.332	731.234	
g Increase / Decrease in Tariff (10a / 10f x 100) To be passed on to the consumers - Tariff	Ps/kWh	-	36.593	(46.413)	30.232	
<b>11 INCREASE / DERCREASE IN REVENUE</b>						
a Units Sold (Item 10f)	Mill kWh		1,057.998	845.332	731.234	
b Increase / Decrease in Tariff (item 10g)	Ps/kWh		36.593	(46.413)	30.232	
c Increase / Decrease in Revenue (11a x 11b)	Mill Rs		387.151	(392.344)	221.065	
d Accumulated increase / decrease in revenue	Mill Rs		387.151	(5.193)	215.873	

**Work Sheet- Power Purchase Cost Variation**

DESCRIPTION		Sep-10	Oct-10	Nov-10	Dec-10	Oct-Dec 10
<b>1 POWER PURCHASES</b>						
a	KANUPP	53.465	36.801	30.836	-	67.637
b	PASMIC	8.334	7.391	5.836	7.927	21.153
c	TAPAL	61.044	75.668	51.148	54.082	180.899
d	GUL AHMED	61.215	82.541	51.429	42.509	176.479
e	NTDC/WAPDA	434.855	471.457	433.030	463.209	1,367.696
f	ANOUD POWER	6.202	6.341	6.805	5.961	19.107
g	DHA CO-GEN	-	-	-	-	-
h	INT IND (IIL)	9.898	9.830	8.693	9.595	28.119
i	KH FAMA	-	-	-	-	-
j	AGGREKO	35.238	29.754	21.153	-	50.907
k	ENGRO	-	-	-	-	-
l	AL-ABBAS	8.726	9.276	8.641	1.962	19.879
m	TOTAL	678.977	729.059	617.571	585.244	1,931.874
<b>2 COST OF POWER PURCHASE - FUEL COST</b>						
a	KANUPP	336.249	254.919	163.303	-	418.222
b	PASMIC	52.411	51.195	30.905	38.341	120.441
c	TAPAL	562.305	691.958	489.296	543.292	1,724.546
d	GUL AHMED	577.092	782.132	508.908	442.609	1,733.649
e	NTDC/WAPDA	1,731.706	2,173.652	1,706.138	2,695.811	6,575.601
f	ANOUD POWER	44.871	46.708	51.961	47.083	145.752
g	DHA CO-GEN	-	-	-	-	-
h	INT IND (IIL)	36.960	36.787	32.450	35.860	105.097
i	KH FAMA	-	-	-	-	-
j	AGGREKO	155.328	125.932	91.043	0.046	217.022
k	ENGRO	-	-	-	-	-
l	AL-ABBAS	70.158	73.796	69.725	15.830	159.351
m	TOTAL	3,567.079	4,237.080	3,143.730	3,818.872	11,199.681
<b>3 COST OF POWER PURCHASE- Fuel Cost/kWh</b>						
a	KANUPP	6.289	6.927	5.296	-	6.183
b	PASMIC	6.289	6.927	5.296	4.837	5.694
c	TAPAL	9.212	9.145	9.566	10.046	9.533
d	GUL AHMED	9.427	9.476	9.895	10.412	9.824
e	NTDC/WAPDA	3.982	4.611	3.940	5.820	4.808
f	ANOUD POWER	7.235	7.366	7.636	7.899	7.628
g	DHA CO-GEN	-	-	-	-	-
h	INT IND (IIL)	3.734	3.742	3.733	3.737	3.738
i	KH FAMA	-	-	-	-	-
j	AGGREKO	4.408	4.232	4.304	#DIV/0!	4.263
k	ENGRO	-	-	-	-	-
l	AL-ABBAS	8.040	7.956	8.069	8.069	8.016
m	AVERAGE	5.254	5.812	5.090	6.525	5.797
<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 Purchase ( Item 3m)	5.254	5.812	5.090	6.525	
b	Reference Rate - Previous Month		5.254	5.254	5.254	
c	Increase / Decrease in Average Rate of Power Purchase (4a-4b)		0.558	(0.163)	1.272	
d	Total Power Purchase (Item 1m)		729.059	617.571	585.244	
e	Increase / Decrease in Fuel Cost of Power Purchase (4c*4d)		406.892	(100.746)	744.227	
<b>5 INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS</b>						
a	Fuel price variation in cost of power purchase (Item 4a)		406.892	(100.746)	744.227	1,050.372
b	Units Sent Out - KESC	673.449	644.965	480.263	364.409	
c	Power Purchase	678.977	729.059	617.571	585.244	
d	Total Units Sent Out (b + c)	1,352.426	1,374.024	1,097.834	949.654	
e	Increase / Decrease in Tariff (5a / 5d x 100) To be passed on to the consumers - FSA		29.613	(9.177)	78.368	
<b>6 INCREASE / DECREASE IN REVENUE</b>						
a	Units Sold		1,057.998	845.332	731.234	
b	Increase / Decrease in Tariff (item 5e)		29.613	(9.177)	78.368	
c	Increase / Decrease in Revenue (6a / 6b x100)		313.307	(77.574)	573.055	808.787
d	Accumulated increase / decrease in revenue		313.307	235.732	808.787	241.586
e	Unrecovered Cost due to 23% T&D loss					291.236

**Work Sheet- Power Purchase Cost Variation**

DESCRIPTION		Sep-10	Oct-10	Nov-10	Dec-10	Oct-Dec 10	
<b>7 O&amp;M PAYMENT</b>							
a	KANUPP	Mill Rs	19.907	13.702	11.482	-	25.184
b	PASMIC	Mill Rs	8.737	7.748	6.118	1.165	15.032
c	TAPAL	Mill Rs	47.095	58.378	39.461	41.725	139.563
d	GUL AHMED	Mill Rs	27.571	37.177	23.163	19.146	79.486
e	NTDC/WAPDA	Mill Rs	643.794	664.002	624.355	646.743	1,935.099
f	ANOUD POWER	Mill Rs	10.161	10.389	10.833	9.489	30.712
g	DHA CO-GEN	Mill Rs	-	-	-	-	-
h	INT IND (IIL)	Mill Rs	15.629	15.244	14.317	15.384	44.946
i	KH FAMA	Mill Rs	-	-	-	-	-
j	AGGREKO	Mill Rs	18.075	18.819	17.868	18.481	55.167
k	ENGRO	Mill Rs	-	-	-	-	-
l	AL-ABBAS	Mill Rs	0.873	0.928	0.864	0.196	1.988
m	TOTAL	Mill Rs	791.842	826.386	748.461	752.329	2,327.177
<b>8 O&amp;M PAYMENT (Rs/kWh)</b>							
a	KANUPP	Rs/kWh	0.372	0.372	0.372	-	0.372
b	PASMIC	Rs/kWh	1.048	1.048	1.048	0.147	0.711
c	TAPAL	Rs/kWh	0.772	0.772	0.772	0.772	0.772
d	GUL AHMED	Rs/kWh	0.450	0.450	0.450	0.450	0.450
e	NTDC/WAPDA	Rs/kWh	1.480	1.408	1.442	1.396	1.415
f	ANOUD POWER	Rs/kWh	1.638	1.638	1.592	1.592	-
g	DHA CO-GEN	Rs/kWh	-	-	-	#DIV/0!	#DIV/0!
h	INT IND (IIL)	Rs/kWh	1.579	1.551	1.647	1.603	1.598
i	KH FAMA	Rs/kWh	-	-	-	-	-
j	AGGREKO	Rs/kWh	0.513	0.632	0.845	-	1.084
k	ENGRO	Rs/kWh	-	-	-	-	#DIV/0!
l	AL-ABBAS	Rs/kWh	0.100	0.100	0.100	0.100	-
m	TOTAL	Rs/kWh	1.166	1.133	1.212	1.285	1.205
n	Variation over Base Rate (Sep 2010)	Rs/kWh	(0.221)	(0.033)	0.046	0.119	-
o	Variation over Base Rate (Sep 2010) (8a*1m)	Mill Rs	(150.207)	(23.862)	28.233	69.801	74.171
<b>9 CAPACITY PAYMENT</b>							
a	KANUPP	Mill Rs	-	-	-	-	-
b	PASMIC	Mill Rs	-	-	-	-	-
c	TAPAL	Mill Rs	108.826	109.749	109.749	109.749	329.247
d	GUL AHMED	Mill Rs	98.340	98.852	98.852	98.852	296.557
e	NTDC/WAPDA	Mill Rs	-	-	-	-	-
f	ANOUD POWER	Mill Rs	-	-	-	-	-
g	DHA CO-GEN	Mill Rs	-	-	-	-	-
h	INT IND (IIL)	Mill Rs	-	-	-	-	-
i	KH FAMA	Mill Rs	-	-	-	-	-
j	AGGREKO	Mill Rs	162.673	168.340	162.578	167.752	498.670
k	ENGRO	Mill Rs	-	-	-	-	-
l	AL-ABBAS	Mill Rs	7.699	7.699	7.699	1.772	17.170
m	TOTAL	Mill Rs	377.538	384.640	378.878	378.126	1,141.644
			3.993				
<b>10 CAPACITY PAYMENT (Rs/ Kwh)</b>							
a	KANUPP	Mill Rs	-	-	-	-	-
b	PASMIC	Mill Rs	-	-	-	-	-
c	TAPAL	Mill Rs	1.783	1.450	2.146	2.029	1.820
d	GUL AHMED	Mill Rs	1.606	1.198	1.922	2.325	1.680
e	NTDC/WAPDA	Mill Rs	-	-	-	-	-
f	ANOUD POWER	Mill Rs	-	-	-	-	-
g	DHA CO-GEN	Mill Rs	-	-	-	-	-
h	INT IND (IIL)	Mill Rs	-	-	-	-	-
i	KH FAMA	Mill Rs	-	-	-	-	-
j	AGGREKO	Mill Rs	4.616	5.658	7.686	-	9.796
k	ENGRO	Mill Rs	#DIV/0!	#DIV/0!	#DIV/0!	-	-
l	AL-ABBAS	Mill Rs	0.882	0.830	0.891	0.903	0.864
m	TOTAL	Mill Rs	0.556	0.528	0.613	0.646	0.591
n	Variation over Base Rate (Sep 2010)	Rs/kWh	(0.089)	(0.028)	0.057	0.090	-
o	Variation over Base Rate (Sep 2010) (10n*1m)	Mill Rs	(60.115)	(20.745)	35.484	52.706	67.445
<b>11 TOTAL O&amp;M &amp; CAPACITY PAYMENT</b>							
a	KANUPP	Mill Rs	19.907	13.702	11.482	-	25.184
b	PASMIC	Mill Rs	8.737	7.748	6.118	1.165	15.032
c	TAPAL	Mill Rs	155.921	168.127	149.210	151.474	468.810
d	GUL AHMED	Mill Rs	125.912	136.029	122.016	117.998	376.043
e	NTDC/WAPDA	Mill Rs	643.794	664.002	624.355	646.743	1,935.099
f	ANOUD POWER	Mill Rs	10.161	10.389	10.833	9.489	30.712
g	DHA CO-GEN	Mill Rs	-	-	-	-	-
h	INT IND (IIL)	Mill Rs	15.629	15.244	14.317	15.384	44.946
i	KH FAMA	Mill Rs	-	-	-	-	-
j	AGGREKO	Mill Rs	180.747	187.158	180.446	186.234	553.838
k	ENGRO	Mill Rs	-	-	-	-	-
l	AL-ABBAS	Mill Rs	8.572	9.627	8.563	1.968	19.158
m	TOTAL	Mill Rs	1,169.380	1,211.027	1,127.340	1,130.455	3,468.821

**Work Sheet- Power Purchase Cost Variation**

DESCRIPTION	Sep-10	Oct-10	Nov-10	Dec-10	Oct-Dec 10	
<b>12 TOTAL COST WITH O&amp;M AND CAPACITY PAYMENT</b>						
a KANUPP	Mill Rs	356,156	268,622	174,785	-	443,406
b PASMIC	Mill Rs	61,149	58,943	37,023	39,507	135,473
c TAPAL	Mill Rs	718,226	860,085	638,506	694,766	2,193,357
d GUL AHMED	Mill Rs	703,003	918,161	630,924	560,607	2,109,692
e NTDC/WAPDA	Mill Rs	2,375,500	2,837,655	2,330,493	3,342,553	8,510,701
f ANOUD POWER	Mill Rs	55,032	57,097	62,795	56,572	176,463
g DHA CO-GEN	Mill Rs	-	-	-	-	-
h INT IND (IIL)	Mill Rs	52,589	52,031	46,767	51,244	150,042
i KH FAMA	Mill Rs	-	-	-	-	-
j AGGREKO	Mill Rs	336,075	313,091	271,489	186,279	770,859
k ENGRO	Mill Rs	-	-	-	-	-
l AL-ABBAS	Mill Rs	78,730	82,422	78,288	17,798	178,509
m TOTAL	Mill Rs	4,736,460	5,448,106	4,271,069	4,949,327	14,668,502

**13 COST OF POWER PURCHASE- TOTAL Cost/kWh**

a KANUPP	Rs/kWh	6,661	7,299	5,668	-	6,556
b PASMIC	Rs/kWh	7,338	7,975	6,344	4,984	6,404
c TAPAL	Rs/kWh	11,766	11,367	12,483	12,846	12,125
d GUL AHMED	Rs/kWh	11,484	11,124	12,268	13,188	11,954
e NTDC/WAPDA	Rs/kWh	5,463	6,019	5,382	7,216	6,223
f ANOUD POWER	Rs/kWh	8,873	9,004	9,228	9,491	9,236
g DHA CO-GEN	Rs/kWh	-	-	-	-	-
h INT IND (IIL)	Rs/kWh	5,313	5,293	5,380	5,341	5,336
i KH FAMA	Rs/kWh	-	-	-	-	-
j AGGREKO	Rs/kWh	9,537	10,523	12,835	-	15,143
k ENGRO	Rs/kWh	-	-	-	-	-
l AL-ABBAS	Rs/kWh	9,022	8,886	9,060	9,072	8,980
m AVERAGE	Rs/kWh	6,976	7,473	6,916	8,457	7,593

**14 INCREASE / DECREASE IN POWER PURCHASE COST - TOTAL**

a Average Monthly cost of Power Purchase - Fuel Cost (Item 13m)	Rs/kWh	6,976	7,473	6,916	8,457	
b Reference Rate - Previous Month	Rs/kWh		6,976	6,976	6,976	
c Increase / Decrease in Average Rate of Power Purchase (a-b)	Rs/kWh		0,497	(0,060)	1,481	
d Total Power Purchase (Item 1m)	Mill kWh		729,059	617,571	585,244	
e Increase / Decrease in Total Cost of Power Purchase (c*d)	Mill Rs		362,284	(37,029)	866,734	

**15 INCREASE / DECREASE IN TARIFF**

<b>TO BE ADJUSTED ON QUARTERLY BASIS</b>						
a Total price variation in cost of power purchase (Item 14h)	Mill Rs	-	362,284	(37,029)	866,734	
<b>Units Sent Out</b>						
b KESC	Mill kWh	673,449	644,965	480,263	364,409	
c Power Purchase	Mill kWh	678,977	729,059	617,571	585,244	
d Total Units Sent Out (b+c)	Mill kWh	1,352,426	1,374,024	1,097,834	949,654	
e Trans & Dist Losses		23.0%	23.0%	23.0%	23.0%	
f Units Sold (15d-15e)	Mill kWh	1,041,368	1,057,998	845,332	731,234	
g Increase / Decrease in Tariff						
h Power Purchase (15a/15f)	Ps/kWh	-	34,242	(4,380)	118,530	

**16 INCREASE / DECREASE IN REVENUE**

a Units Sold (Item 15f)	Mill kWh		1,057,998	845,332	731,234	
b Increase / Decrease in Tariff (Item 15h)	Ps/kWh		34,242	(4,380)	118,530	
c Increase / Decrease in Revenue (a*b)	Mill Rs		362,284	(37,029)	866,734	
d Accumulated increase / decrease in revenue	Mill Rs		362,284	325,255	1,191,989	



Break of Cost of Power Purchases

DESCRIPTION	Sep-10	Oct-10	Nov-10	Dec-10	Oct-Dec 10	Jul-Dec 10	
<b>1 KANUPP</b>							
Units Purchased	Mill kWh	53.465280	36.800544	30.836256	-	67.636800	177.312960
Fuel Cost	Mill Rs	336.249027	254.919208	163.302953	-	418.222161	1,098.566186
Variable O & M	Mill Rs	19.907262	13.702315	11.481572	-	25.183886	66.020708
Total Cost	Mill Rs	356.156289	268.621523	174.784524	-	443.406047	1,164.586894
<b>RATE OF PURCHASE FROM KANUPP</b>							
		27.726025	19.084026	15.991066	91.950955		25.93
Fuel Cost	Rs/kWh	6.289110	6.927050	5.295810	6.630210	6.183352	6.195634
Variable O & M	Rs/kWh	0.372340	0.372340	0.372340	0.518580	0.372340	0.372340
Total Cost	Rs/kWh	6.661450	7.299390	5.668150	#DIV/0!	6.555692	6.567974
<b>2 PASMIC</b>							
Units Purchased	Mill kWh	8.333688	7.390548	5.835772	7.926724	21.153044	42.004740
Fuel Cost	Mill Rs	52.411481	51.194696	30.905140	38.341485	120.441320	248.462427
Variable O & M	Mill Rs	8.737038	7.748251	6.118223	1.165228	15.031702	36.892620
Total Cost	Mill Rs	61.148519	58.942946	37.023363	39.506713	135.473022	285.355048
<b>RATE OF PURCHASE FROM PASMIC</b>							
		13.817005	12.253307	9.675535		21.928842	56.500328
Fuel Cost	Rs/kWh	6.289110	6.927050	5.295810	4.836990	5.693806	5.915105
Variable O & M	Rs/kWh	1.048400	1.048400	1.048400	0.147000	0.710617	0.878297
Total Cost	Rs/kWh	7.337510	7.975450	6.344210	4.983990	6.404422	6.793401
<b>3 Tapal Energy Ltd.</b>							
Units Purchased	Mill kWh	61.043500	75.667900	51.148300	54.082400	180.898600	390.634800
Fuel cost	Mill Rs	562.304576	691.957987	489.296113	543.292331	1,724.546431	3,623.652716
Variable O & M	Mill Rs	47.095060	58.377785	39.460913	41.724572	139.563270	301.374748
Total Energy Purchase Price	Mill Rs	609.399636	750.335772	528.757026	585.016902	1,864.109701	3,925.027464
Capacity Purchase Price	Mill Rs	108.826310	109.749065	109.749065	109.749065	329.247195	655.726125
Total Cost	Mill Rs	718.225946	860.084837	638.506091	694.765967	2,193.356896	4,580.753589
<b>RATE OF PURCHASE FROM TAPAL</b>							
Fuel cost	Rs/kWh	9.212	9.145	9.566	10.046	9.533	9.276
Variable O & M	Rs/kWh	0.772	0.772	0.772	0.772	0.772	0.771
Total Energy Purchase Price	Rs/kWh	9.983	9.916	10.338	10.817	10.305	10.048
Capacity Purchase Price	Rs/kWh	1.783	1.450	2.146	2.029	1.820	1.679
Total Cost	Rs/kWh	11.766	11.367	12.483	12.846	12.125	11.726
<b>4 Gul Ahmed Energy Ltd.</b>							
Units Purchased	Mill kWh	61.214895	82.541290	51.428592	42.508824	176.478706	390.372510
Fuel cost	Mill Rs	577.091635	782.132233	508.907718	442.608593	1,733.648544	3,730.114836
Variable O & M	Mill Rs	27.571189	37.176597	23.163438	19.145974	79.486009	175.823779
Total Energy Purchase Price	Mill Rs	604.662824	819.308830	532.071156	461.754567	1,813.134553	3,905.938614
Capacity Purchase Price	Mill Rs	98.340419	98.852369	98.852369	98.852369	296.557107	591.578364
Total Cost	Mill Rs	703.003243	918.161199	630.923525	560.606936	2,109.691660	4,497.516978
<b>RATE OF PURCHASE FROM GUL AHMED</b>							
Fuel cost	Rs/kWh	9.427	9.476	9.895	10.412	9.824	9.555
Variable O & M	Rs/kWh	0.450	0.450	0.450	0.450	0.450	0.450
Total Energy Purchase Price	Rs/kWh	9.878	9.926	10.346	10.863	10.274	10.006
Capacity Purchase Price	Rs/kWh	1.606	1.198	1.922	2.325	1.680	1.515
Total Cost	Rs/kWh	11.484	11.124	12.268	13.188	11.954	11.521
<b>5 NTDC/WAPDA</b>							
Units Imported	Mill kWh	434.855000	471.457000	433.030000	463.209000	1,367.696000	2,568.239000
Maximum Demand	MW	800	800	750	750		
Use of system charges	Mill Rs	80.120000	80.120000	75.112500	75.112500	230.345000	462.693000
Energy Transfer Charges							
- Capacity Transfer Charges	Mill Rs	563.674410	583.882142	549.242133	571.630118	1,704.754393	3,215.064125
- Energy Transfer Charges I	Mill Rs	1,648.216121	2,077.263586	1,603.104341	2,607.843046	6,288.210973	10,778.178487
- Energy Transfer Charges II	Mill Rs	127.352505	179.518096	231.293881	87.967558	498.779535	950.783431
Adjustment for Finance Cost to IPPs	Mill Rs	(43.862954)	(83.129183)	(128.260022)	(137.198800)	(168.983708)	
Total Energy Transfer Charges	Mill Rs	2,295.380082	2,757.534641	2,255.380333	3,130.241922	8,322.761193	14,606.058627
Total Cost without GST	Mill Rs	2,375.500082	2,837.654641	2,330.492833	3,205.354422	8,553.106193	15,068.751627
GST @ 17%	Mill Rs	280.196741	353.134810	272.527738	443.333318	1,068.995865	1,835.046723
Total Cost With GST	Mill Rs	2,655.696822	3,190.789450	2,603.020571	3,648.687739	9,622.102058	16,903.798350

Break of Cost of Power Purchases

DESCRIPTION		Sep-10	Oct-10	Nov-10	Dec-10	Oct-Dec 10	Jul-Dec 10
<b>RATE OF PURCHASE FROM NTDC</b>							
Use of system charges	Rs/kWh	0.184	0.170	0.173	0.162		0.180
Energy Transfer Charges							
- Capacity Transfer charges	Rs/kWh	1.296	1.238	1.268	1.234	1.246	1.252
- Energy Transfer Charges I	Rs/kWh	3.790	4.406	3.702	5.630	4.598	4.197
- Energy Transfer Charges II	Rs/kWh	0.293	0.381	0.534	0.190	0.365	0.370
Adjustment for Finance Cost		(0.101)	(0.176)	(0.296)	(0.296)	(0.124)	
Total Energy Transfer Charges	Rs/kWh	5.278	5.849	5.208	6.758	6.085	5.687
Total Cost without GST	Rs/kWh	5.463	6.019	5.382	6.920	6.254	5.867
GST @ 17%	Rs/kWh	0.644	0.749	0.629	0.957	0.782	0.715
Total Cost With GST	Rs/kWh	6.107	6.768	6.011	7.877	7.035	6.582
<b>6 ANOUD Power</b>							
Units Purchased	Mill kWh	6.202188	6.341338	6.804913	5.960507	19.106758	38.914482
Energy Charges	Mill Rs	44.870570	46.707867	51.961361	47.082641	145.751868	289.300147
Variable O & M	Mill Rs	10.161045	10.389014	10.833421	9.489127	30.711563	63.162557
Total Cost	Mill Rs	55.031615	57.096881	62.794782	56.571768	176.463431	352.462704
GST @ 17%		9.355375	9.706470	10.675113	9.617201		
		64.386990	66.803351	73.469895	66.188969		
<b>RATE OF PURCHASE FROM ANOUD POWER</b>							
Energy Charges	Rs/kWh	7.234636	7.365617	7.635860	7.899100	7.628289	7.434254
Variable O & M	Rs/kWh	1.638300	1.638300	1.592000	1.592000	1.607366	1.623112
Total Cost	Rs/kWh	8.872936	9.003917	9.227860	9.491100	9.235655	9.057366
<b>7 DHA Co-gen</b>							
Units Purchased	Mill kWh	-	-	-	-	-	-
Energy Charges-Fuel	Mill Rs	-	-	-	-	-	-
Variable O&M		-	-	-	-	-	-
Fixed Charges	Mill Rs	-	-	-	-	-	-
Total Cost	Mill Rs	-	-	-	-	-	-
<b>RATE OF PURCHASE FROM DHA CO-GEN</b>							
Energy Charges	Rs/kWh	-	-	-	-	#DIV/0!	#DIV/0!
Variable O & M		-	-	-	-	#DIV/0!	#DIV/0!
Fixed Charges	Rs/kWh	-	-	-	-	#DIV/0!	#DIV/0!
Total Cost	Rs/kWh	-	-	-	-	#DIV/0!	#DIV/0!
<b>8 IIL INDUSTRIES - Original Invoice</b>							
Units Purchased	Mill kWh	9.245218	9.592818	8.066809	9.125169	26.784796	55.317741
Fuel Cost	Mill Rs	34.641832	35.944289	30.226333	34.192008	100.362631	209.681503
Variable and other charges	Mill Rs	14.176942	14.387240	12.834293	14.104313	41.325846	83.207826
Differential due to increase in borrowing cost	Mill Rs	0.435273	0.487506	0.508209	0.548444	1.544159	2.749889
Amount excluding GST	Mill Rs	49.254047	50.819035	43.568835	48.844765	143.232636	295.639218
GST @ 17%	Mill Rs	8.373188	8.639236	7.406702	8.303610	24.349548	50.258667
Amount payable with GST	Mill Rs	57.627235	59.458271	50.975537	57.148375	167.582184	345.897885
<b>Rate of Purchase from IIL Industries</b>							
Fuel Cost	Rs/kWh	3.747000	3.747000	3.747000	3.747000	3.747000	3.790493
Variable and other charges	Rs/kWh	1.533435	1.499793	1.591000	1.545649	1.542884	1.504180
Differential due to increase in borrowing cost	Rs/kWh	0.047081	0.050820	0.063000	0.060102	0.057651	0.049711
Rate excluding GST		5.327516	5.297613	5.401000	5.352752	5.347535	5.321418
GST @ 17%		0.905678	0.900594	0.918170	0.909968	0.909081	0.908545
Rate with GST		6.233194	6.198207	6.319170	6.262720	6.256616	6.252929
<b>IIL Industries - Verified for Payment</b>							
Units Purchased	Mill kWh	9.245218	9.592818	8.066809	9.125169	26.784796	55.317741
Fuel Cost	Mill Rs	34.641832	35.944289	30.226333	34.192008	100.362631	207.275576
Variable and other charges	Mill Rs	14.176942	14.387240	12.834293	14.104313	41.325846	84.339035
Differential due to increase in borrowing cost	Mill Rs	0.435273	0.487506	0.508209	0.548444	1.544159	2.754211
Amount excluding GST	Mill Rs	49.254047	50.819035	43.568835	48.844765	143.232636	294.368821
GST @ 17%	Mill Rs	8.373188	8.639236	7.406702	8.303610	24.349548	50.042700
Amount payable with GST	Mill Rs	57.627235	59.458271	50.975537	57.148375	167.582184	344.411521
<b>Rate of Purchase from IIL Industries</b>							
Fuel Cost	Rs/kWh	3.747000	3.747000	3.747000	3.747000	3.747000	3.747000
Variable and other charges	Rs/kWh	1.533435	1.499793	1.591000	1.545649	1.542884	1.524629
Differential due to increase in borrowing cost	Rs/kWh	0.047081	0.050820	0.063000	0.060102	0.057651	0.049789
Rate excluding GST		5.327516	5.297613	5.401000	5.352752	5.347535	5.321418
GST @ 17%		0.905678	0.900594	0.918170	0.909968	0.909081	0.904641
Rate with GST		6.233194	6.198207	6.319170	6.262720	6.256616	6.226059
<b>IIL INDUSTRIES 4 MW- Original Invoice</b>							
Units Purchased	Mill kWh	0.653205	0.237421	0.626478	0.469990	1.333889	2.586603
Fuel Cost	Mill Rs	2.318225	0.842607	2.223370	1.667995	4.733972	9.179854
Variable and other charges	Mill Rs	1.016387	0.369427	0.974800	0.731304	2.075531	4.024754
Differential due to increase in borrowing cost	Mill Rs	-	-	-	-	-	-
Amount excluding GST	Mill Rs	3.334612	1.212034	3.198170	2.399299	6.809503	13.204608
GST @ 17%	Mill Rs	0.566884	0.206046	0.543689	0.407881	1.157616	2.244783
Amount payable with GST	Mill Rs	3.901495	1.418080	3.741859	2.807180	7.967119	15.449392

Break of Cost of Power Purchases

DESCRIPTION	Sep-10	Oct-10	Nov-10	Dec-10	Oct-Dec 10	Jul-Dec 10
<b>Rate of Purchase from IIL Industries</b>						
Fuel Cost	Rs/kWh 3 549000	3 549000	3 549000	3 549000	3 549000	3 549000
Variable and other charges	Rs/kWh 1 556000	1 556000	1 556000	1 556000	1 556000	1 556000
Differential due to increase in borrowing cost	Rs/kWh -	-	-	-	-	-
Rate excluding GST	5 105000	5 105000	5 105000	5 105000	5 105000	5 105000
GST @ 17%	0 867850	0 867850	0 867850	0 867850	0 867850	0 867850
Rate with GST	5 972850	5 972850	5 972850	5 972850	5 972850	5 972850
<b>IIL INDUSTRIES 4 MW- Verified for Payment</b>						
Units Purchased	Mill kWh 0 653205	0 237421	0 626478	0 469990	1 333889	2 586603
Fuel Cost	Mill Rs 2 318225	0 842607	2 223370	1 667995	4 733972	9 179854
Variable and other charges	Mill Rs 1 016387	0 369427	0 974800	0 731304	2 075531	4 024754
Differential due to increase in borrowing cost	Mill Rs -	-	-	-	-	-
Amount excluding GST	Mill Rs 3 334612	1 212034	3 198170	2 399299	6 809503	13 204608
GST @ 17%	Mill Rs 0 566884	0 206046	0 543689	0 407881	1 157616	2 244783
Amount payable with GST	Mill Rs 3 901495	1 418080	3 741859	2 807180	7 967119	15 449392
<b>Rate of Purchase from IIL Industries</b>						
Fuel Cost	Rs/kWh 3 549000	3 549000	3 549000	3 549000	3 549000	3 549000
Variable and other charges	Rs/kWh 1 556000	1 556000	1 556000	1 556000	1 556000	1 556000
Differential due to increase in borrowing cost	Rs/kWh -	-	-	-	-	-
Rate excluding GST	5 105000	5 105000	5 105000	5 105000	5 105000	5 105000
GST @ 17%	0 867850	0 867850	0 867850	0 867850	0 867850	0 867850
Rate with GST	5 972850	5 972850	5 972850	5 972850	5 972850	5 972850
<b>IIL INDUSTRIES COMBINED - Verified for Payment</b>						
Units Purchased	Mill kWh 9 898423	9 830239	8 693287	9 595159	28 118685	57 904344
Fuel Cost	Mill Rs 36 960056	36 786896	32 449704	35 860003	105 096603	216 455430
Variable and other charges	Mill Rs 15 193329	14 756667	13 809093	14 835617	43 401378	88 363789
Differential due to increase in borrowing cost	Mill Rs 0 435273	0 487506	0 508209	0 548444	1 544159	2 754211
Amount excluding GST	Mill Rs 52 588659	52 031070	46 767006	51 244064	150 042139	307 573429
GST @ 17%	Mill Rs 8 414185	8 324971	7 482721	8 199050	24 006742	50 261175
Amount payable with GST	Mill Rs 61 002844	60 356041	54 249727	59 443114	174 048882	357 834605
<b>RATE OF PURCHASE FROM IIL</b>						
Fuel Cost	Rs/kWh 3 733934	3 742218	3 732731	3 737302	3 737607	3 738155
Variable and other charges	Rs/kWh 1 534924	1 501150	1 588478	1 546156	1 543507	1 526030
Differential due to increase in borrowing cost	Rs/kWh 0 043974	0 049592	0 058460	0 057158	0 054916	0 047565
Rate excluding GST	5 312832	5 292961	5 379669	5 340616	5 336030	5 311751
GST @ 17%	0 850053	0 846874	0 860747	0 854499	0 853765	0 868004
Rate with GST	6 162885	6 139835	6 240416	6 195115	6 189794	6 179754
<b>9 KH FAMA</b>						
Units Purchased	Mill kWh -	-	-	-	-	-
Total Cost	Mill Rs -	-	-	-	-	-
<b>10 AGGREKO</b>						
Units Purchased	Mill kWh 35 237886	29 753828	21 152860	-	50 906688	156 771198
Fuel Cost	Mill Rs 155 328040	125 932417	91 043422	0 045834	217 021673	683 425158
Fixed cost	Mill Rs 180 747450	187 044390	180 642150	186 391530	554 078070	1 107 336555
Total Cost	Mill Rs 336 075490	312 976807	271 685572	186 437364	771 099743	1 790 761713
Currency Adjustment	0 096525	0 114075	(0 196560)	(0 157950)	(0 240435)	-
Customs duty Payment	-	-	-	-	-	-
Mobilization Advance Payment	4 535535	4 535535	4 535535	4 535535	13 606605	27 213209
	340 707550	317 626417	276 024547	190 814949	784 465913	-
<b>Rate of Purchase from AGGREKO</b>						
Fuel Cost	Rs/kWh 4 407984	4 232478	4 304072	#DIV/0!	4 263127	4 359380
Fixed cost	Rs/kWh 5 129350	6 286398	8 539845	#DIV/0!	10 884190	7 063393
Total Cost	Rs/kWh 9 537334	10 518875	12 843917	#DIV/0!	15 147317	11 422772
Currency Adjustment	0 002739	0 003834	(0 009292)	#DIV/0!	(0 004723)	-
Customs duty Payment	-	-	-	#DIV/0!	-	-
Mobilization Advance Payment	0 128712	0 152435	0 214417	#DIV/0!	0 267285	-
Total Cost	9 668785	10 675145	13 049041	#DIV/0!	15 409879	-
<b>11 ENGR0</b>						
Units Purchased	Mill kWh -	-	-	-	-	1 080858
Fuel Cost	Mill Rs -	-	-	-	-	3 514822
Variable O & M	Mill Rs -	-	-	-	-	1 855186
Total Cost	Mill Rs -	-	-	-	-	5 370009
GST @ 17%	-	-	-	-	-	5 381009
GST @ 17%	-	-	-	-	-	-
Total Cost with GST	-	-	-	-	-	10 751017
<b>RATE OF PURCHASE FROM ENGR0</b>						
Fuel Cost	Rs/kWh -	-	-	-	#DIV/0!	3 251881
Variable O & M	Rs/kWh -	-	-	-	#DIV/0!	1 716401
Total Cost	Rs/kWh -	-	-	-	#DIV/0!	4 968283
<b>12 AL-ABBAS</b>						
Units Purchased	Mill kWh 8 726156	9 275844	8 640915	1 961846	19 878605	43 134763
Energy Charges	Mill Rs 70 158294	73 795799	69 725012	15 830469	159 351280	333 634252
Variable & Other charges	Mill Rs 0 872616	0 927584	0 864092	0 196185	1 987861	4 313476
Total Energy Purchase Price	Mill Rs 71 030910	74 723383	70 589104	16 026653	161 339140	337 947728
Capacity Purchase Price	Mill Rs 7 698995	7 698995	7 698995	1 771823	-	-
Total Cost	Mill Rs 78 729905	82 422378	78 288099	17 798476	161 339140	337 947728
GST @ 17%	12 075255	12 702975	12 000148	2 724531	27 427654	-
	90 805160	95 125353	90 288246	20 523008	188 766794	-
<b>RATE OF PURCHASE FROM AL-ABBAS</b>						
Fuel cost	Rs/kWh 8 040	7 956	8 069	8 069	-	-
Variable O & M	Rs/kWh 0 100	0 100	0 100	0 100	-	-
Total Energy Purchase Price	Rs/kWh 8 140	8 056	8 169	8 169	-	-
Capacity Purchase Price	Rs/kWh 0 882	0 830	0 891	0 903	-	-
Total Cost	Rs/kWh 9 022	8 886	9 060	9 072	-	-

STATION-WISE GENERATION AND SENT OUT - ACTUAL

DESCRIPTION	Sep-10	Oct-10	Nov-10	Dec-10	Oct- Dec 10
<b>1 Units Generated</b> Mill kWh					
i Bin Qasim	427.084090	417.166800	299.944995	216.212930	933.324725
ii Korangi Thermal	40.110000	38.140000	8.700000	-	46.840000
iii Korangi Town Gas Turb I	-	-	-	-	-
iv Korangi Town Gas Turb II	60.608757	63.049971	60.268429	48.871092	172.189492
v Site Gas Turbine I	-	-	-	-	-
vi Site Gas Turbine II	59.652000	47.307400	52.347200	42.279120	141.933720
vii Korangi CCGP	129.744335	121.199645	90.202590	80.720393	292.122628
viii Total KESC	717.199182	686.863816	511.463214	388.083535	1,586.410565
<b>2 Units Sent out</b> Mill kWh					
i Bin Qasim	388.520550	379.257917	270.979672	194.242950	844.480539
ii Korangi Thermal	35.580323	33.898432	7.455532	(0.335610)	41.018354
iii Korangi Town Gas Turb I	-	-	-	-	-
iv Korangi Town Gas Turb II	59.268497	61.653667	58.981233	47.853924	168.488824
v Site Gas Turbine I	-	-	-	-	-
vi Site Gas Turbine II	57.994991	45.901944	50.859468	41.044331	137.805743
vii Korangi CCGP	120.279299	112.735372	83.645363	74.757727	271.138462
viii Total KESC	661.643660	633.447332	471.921268	357.563322	1,462.931922
<b>3 Auxiliary Consumption</b> Mill kWh					
i Bin Qasim	38.563540	37.908883	28.965323	21.969980	88.844186
ii Korangi Thermal	4.529677	4.241568	1.244468	0.335610	5.821646
iii Korangi Town Gas Turb I	-	-	-	-	-
iv Korangi Town Gas Turb II	1.340260	1.396304	1.287196	1.017168	3.700668
v Site Gas Turbine I	-	-	-	-	-
vi Site Gas Turbine II	1.657009	1.405456	1.487732	1.234789	4.127977
vii Korangi CCGP	9.465036	8.464273	6.557227	5.962666	20.984166
viii Total KESC	55.555522	53.416484	39.541946	30.520213	123.478643
<b>4 Auxiliary Consumption</b>					
i Bin Qasim	9.0%	9.1%	9.7%	10.2%	9.5%
ii Korangi Thermal	11.3%	11.1%	14.3%	#DIV/0!	12.4%
iii Korangi Town Gas Turb I	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
iv Korangi Town Gas Turb II	2.2%	2.2%	2.1%	2.1%	2.1%
v Site Gas Turbine I	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.0%
vi Site Gas Turbine II	2.8%	3.0%	2.8%	2.9%	2.9%
vii Korangi CCGP	7.3%	7.0%	7.3%	7.4%	7.2%
viii Total KESC	7.7%	7.8%	7.7%	7.9%	7.8%

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

DESCRIPTION	Sep-10	Oct-10	Nov-10	Dec-10	Oct- Dec 10
<b>5 Units Sent out</b> Mill kWh					
i Bin Qasim	400.326922	390.775708	279.322362	201.090067	871.188138
ii Korangi Thermal	35.580323	33.898432	7.455532	(0.335610)	41.018354
iii Korangi Town Gas Turb I	-	-	-	-	-
iv Korangi Town Gas Turb II	59.268497	61.653667	58.981233	47.853924	168.488824
v Site Gas Turbine I	-	-	-	-	-
vi Site Gas Turbine II	57.994991	45.901944	50.859468	41.044331	137.805743
vii Korangi CCGP	120.279299	112.735372	83.645363	74.757727	271.138462
viii Total KESC	673.450032	644.965123	480.263958	364.410439	1,489.639521
Check	673.450032	644.965123	480.263958	364.410439	1,489.639521
<b>6 Auxiliary Consumption</b> Mill kWh					
i Bin Qasim	25.757168	26.391092	20.622633	15.122863	62.136587
ii Korangi Thermal	4.529677	4.241568	1.244468	0.335610	5.821646
iii Korangi Town Gas Turb I	-	-	-	-	-
iv Korangi Town Gas Turb II	1.340260	1.396304	1.287196	1.017168	3.700668
v Site Gas Turbine I	-	-	-	-	-
vi Site Gas Turbine II	1.657009	1.405456	1.487732	1.234789	4.127977
vii Korangi CCGP	9.465036	8.464273	6.557227	5.962666	20.984166
viii Total KESC	43.749150	41.898693	31.199256	23.673096	96.771044
<b>7 Auxiliary Consumption at 6.1%</b>					
i Bin Qasim	6.3%	6.3%	6.9%	7.0%	6.7%
ii Korangi Thermal	11.3%	11.1%	14.3%	0.0%	12.4%
iii Korangi Town Gas Turb I	#DIV/0!	#DIV/0!	#DIV/0!	0.0%	#DIV/0!
iv Korangi Town Gas Turb II	2.2%	2.2%	2.1%	2.1%	2.1%
v Site Gas Turbine I	0.0%	0.0%	0.0%	0.0%	0.0%
vi Site Gas Turbine II	2.8%	3.0%	2.8%	2.9%	2.9%
vii Korangi CCGP	7.3%	7.0%	7.3%	7.4%	7.2%
viii Total KESC	6.1%	6.1%	6.1%	6.1%	6.1%

## STATION-WISE GENERATION AND SENT OUT - ACTUAL

DESCRIPTION	Sep-10	Oct-10	Nov-10	Dec-10	Oct- Dec 10
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## WORKING OF GENERATION ON GAS AND FURNACE OIL AND COST OF FUEL

DESCRIPTION	Sep-10	Oct-10	Nov-10	Dec-10	Oct- Dec 10
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## 8 Fuel Consumption at BQPS

## a Gas Consumption

000 CM	84,693,047	60,594,401	66,226,427	35,506,230	162,327,058
MMCF	3,006,087	2,150,732	2,350,635	1,260,255	5,761,621
MMCFD	100.20	69.38	78.35	40.65	62.63
BTU/MCF	920,460	927,400	931,760	923,970	928,429
Million BTU	2,766,983	1,994,589	2,190,227	1,164,438	5,349,254
	58.3%	44.1%	66.1%	49.6%	52.5%

## b Furnace Oil consumption

M Ton	49,001.27	62,745.00	27,861.83	29,374.42	119,981.25
BTU/M Ton	40,351,500	40,351,500	40,351,500	40,351,500	40,351,500
Million BTU	1,977,275	2,531,855	1,124,267	1,185,302	4,841,423
	41.7%	55.9%	33.9%	50.4%	

## c Total fuel consumption

Million BTU	4,744,258	4,526,444	3,314,494	2,349,740	10,190,677
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## 9 Sent out - BQPS

## a On gas

Mill kWh	233,481,787	172,196,303	184,577,035	99,652,254	456,425,593
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## b On Furnace Oil

Mill kWh	166,845,135	218,579,405	94,745,327	101,437,813	414,762,545
Mill kWh	400,326,922	390,775,708	279,322,362	201,090,067	871,188,138

## 10 Generation on Gas

Mill kWh

i Bin Qasim	233,481,787	172,196,303	184,577,035	99,652,254	456,425,593
ii Korangi Thermal	35,580,323	33,898,432	7,455,532	(0,335,610)	41,018,354
iii Korangi Town Gas Turb I	-	-	-	-	-
iv Korangi Town Gas Turb II	59,268,497	61,653,667	58,981,233	47,853,924	168,488,224
v Site Gas Turbine I	-	-	-	-	-
vi Site Gas Turbine II	57,994,991	45,901,944	50,859,468	41,044,331	137,805,743
vii Korangi C.C.P.P.	120,279,299	112,735,372	83,645,363	74,757,727	271,138,462
viii Total KESC	506,604,897	426,385,718	385,518,631	262,972,626	1,074,876,976
11 Generation on F.Oil - BQPS	166,845,135	218,579,405	94,745,327	101,437,813	414,762,545
12 Total Generation at Bus Bar	673,450,032	644,965,123	480,263,958	364,410,439	1,489,639,521
	24.8%	33.9%	19.7%	27.8%	27.8%

## 13 Price of Gas

## a Gas Consumption

i Bin Qasim	Mill Btu	2,766,983	1,994,589	2,190,227	1,164,438	5,349,254
ii Korangi Thermal	Mill Btu	497,504	481,141	106,367	-	587,508
iii Korangi Town Gas Turb I	Mill Btu	-	-	-	-	-
iv Korangi Town Gas Turb II	Mill Btu	587,638	605,373	588,136	462,670	1,656,180
v Site Gas Turbine I	Mill Btu	-	-	-	-	-
vi Site Gas Turbine II	Mill Btu	561,448	452,572	503,800	401,347	1,357,719
vii Korangi C.C.P.P.	Mill Btu	1,113,465	1,061,508	782,128	651,329	2,494,964
viii Total KESC	Mill Btu	5,527,038	4,595,183	4,170,658	2,679,783	11,445,625

## b Cost of Gas Consumed - of item 13a

i Bin Qasim	Mill Rs	1,089,610	785,452	862,493	458,543	2,106,487
ii Korangi Thermal	Mill Rs	195,913	189,468	41,886	0,013	231,367
iii Korangi Town Gas Turb I	Mill Rs	-	-	-	-	-
iv Korangi Town Gas Turb II	Mill Rs	231,407	238,390	231,601	182,195	652,186
v Site Gas Turbine I	Mill Rs	-	-	-	-	-
vi Site Gas Turbine II	Mill Rs	221,093	178,218	198,391	158,046	534,655
vii Korangi C.C.P.P.	Mill Rs	438,470	418,010	307,993	256,486	982,490
viii Total KESC	Mill Rs	2,176,492	1,809,538	1,642,364	1,055,283	4,507,185

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

i Bin Qasim	Rs/Mill Btu	393.79	393.79	393.79	393.79	393.79
ii Korangi Thermal	Rs/Mill Btu	393.79	393.79	393.79	#DIV/0!	393.81
iii Korangi Town Gas Turb I	Rs/Mill Btu	-	-	-	-	-
iv Korangi Town Gas Turb II	Rs/Mill Btu	393.79	393.79	393.79	393.79	393.79
v Site Gas Turbine I	Rs/Mill Btu	-	-	-	-	-
vi Site Gas Turbine II	Rs/Mill Btu	393.79	393.79	393.79	393.79	393.79
vii Korangi C.C.P.P.	Rs/Mill Btu	393.79	393.79	393.79	393.79	393.79
viii Total KESC	Rs/Mill Btu	393.79	393.79	393.79	393.79	393.79

## 14 Price of Furnace Oil

a Quantity	M Ton	49,001.27	62,745.00	27,861.83	29,374.42	119,981.25
b Cost of Furnace Oil	Mill Rs	1,984,629	2,578,356	859,436	1,315,406	4,753,198
c Furnace oil Price	Rs/M Ton	40,501.58	41,092.62	30,846.35	44,780.67	39,616.17

Gross Generation on Gas	249,087,311	183,825,604	198,204,532	107,146,545	489,176,680
Gross Generation on Furnace oil	177,996,779	233,341,196	101,740,463	109,066,385	444,148,045
Total Gross Generation at BQPS	427,084,090	417,166,800	299,944,995	216,212,930	933,324,725
Sent out on Gas	233,481,788	172,196,303	184,577,035	99,652,254	456,425,593
Sent out on Furnace oil	166,845,135	218,579,405	94,745,327	101,437,813	414,762,545
Total Sent out at BQPS	400,326,923	390,775,708	279,322,362	201,090,067	871,188,138