

**KARACHI ELECTRIC SUPPLY COMPANY LTD.**KESC House, 39-B, Sunset Boulevard, Phase IV, DHA, Karachi, Pakistan
Phone: (92 21) 352647034 - Email: rauf.yousuf@kesc.com.pk

Ref. No. DRA&SP/NEPRA/071/977

Dated: October 19, 2012

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

For information & file H.
 - SA (Tariff)
 - Dir (Tariff)
 - M/F

cc: A/Chairman
 M(Lic)
 M(M&E)
 M(T)

23/10/12

Dear Sir

Subject: **MONTHLY FUEL COST ADJUSTMENT (FCA) DUE TO VARIATION IN FUEL AND POWER - M(T)**
PURCHASE PRICE OF SEPTEMBER 2012This is with reference to fuel cost adjustment based on units sent out for the month of September 2012 as per tariff determination of 23rd December 2009.

The submission is based on the actual invoice of NTDC for the month of September 2012. Further, the units sent out on Gas and Furnace oil at Bin Qasim Power Station have been worked out in the ratio of actual units generated on Gas & F.Oil at BQPS.

Required Monthly Adjustment:

The results of September 2012 have been finalized and the summarized position is as under;


| DESCRIPTION | September 2012 (Over June-12) | |
|------------------------------------|----------------------------------|-----------------|
| | (Mill. Rupees) | (Ps./kWh) |
| Fuel Price Variation | (600.573) | (44.105) |
| Power Purchase Price Variation | 81.115 | 5.957 |
| Total Fuel Costs Adjustment | (519.458) | (38.148) |

Registrar
 Dy. No. 774
 Date: 23/10/12

Economic Dispatch Order

KESC dispatches as per Economic Merit Order from its own generating units (with the available fuel resources) and import from external sources (generating statistic sheets are attached). Further, the variation on BQPS-II Combined Cycle Power Project has not been taken as per the Authority's directive It is requested to finalize the HRT reports at the earliest enabling us to incorporate the variation on the generating station. Moreover, it is certified that the cost of fuel and power purchase claimed does not include any amount of late payment surcharge/ markup/ interest.

Kind Regards


 Abdul Rauf Yousuf
 Director (RA & SP)
Copy to:
Secretary, M/o Water and Power, Islamabad
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 | | Jun-12 | Jul-12 | Aug-12 | Sep-12 |
|--|--|---------------------------|------------------|------------------|------------------|
| 1 REQUIRED ADJUSTMENT IN TARIFF (FSA) ON UNITS SOLD BASIS | | | | | |
| a. | Monthly Variation in | | | | |
| | i Fuel Price | Mill Rs. 1,234.533 | (162.997) | (254.679) | (600.573) |
| | ii Power Purchase Price | Mill Rs. (1,075.640) | 18.730 | (271.113) | 18.428 |
| | iii Total Monthly Variation (i + ii) - Over Reference Tariff | Mill Rs. 158.89 | (144.27) | (525.79) | (582.145) |
| b. | Units Sold at 21% T&D losses | Mill kWh 1,163.51 | 1,221.65 | 1,140.11 | 1,102.96 |
| 2 | | | | | |
| a. | Monthly Variation in | | | | |
| | i Fuel Price (1ai/1b) | Ps/kWh 106.104 | (13.342) | (22.338) | (54.451) |
| | ii Power Purchase Price (1aii/1b) | Ps/kWh (92.448) | 1.533 | (23.780) | 1.671 |
| b. | Monthly increase/decrease to be passed to Consumers (i+ii) | Ps/kWh 13.656 | (11.809) | (46.118) | (52.780) |
| MONTHLY SHORTFALL/(SURPLUS) IN REVENUE (1 - 2) | | | | | |
| c. | Increase/ Decrease in Revenue due to FSA | Mill Rs. 158.89 | (144.27) | (525.79) | (582.14) |
| 1 MONTHLY ALLOWABLE ADJUSTMENT ON UNITS SENT OUT BASIS | | | | | |
| a. | Monthly Variation in | | | | |
| | i Fuel Price | Mill Rs. 1,234.533 | (162.997) | (254.679) | (600.573) |
| | ii Power Purchase Price - Fuel component | Mill Rs. (988.310) | 57.989 | (262.935) | 81.115 |
| | iii Total Monthly Variation (i + ii) - Over Reference Tariff | Mill Rs. 246.224 | (105.009) | (517.615) | (519.458) |
| b. | Units Sent Out | Mill kWh 1,472.800 | 1,508.215 | 1,407.542 | 1,361.684 |
| 2 | | | | | |
| a. | Monthly Variation in FSA - due to | | | | |
| | i Fuel Price | Ps/kWh 83.822 | (10.807) | (18.094) | (44.105) |
| | ii Power Purchase Price - Fuel component | Ps/kWh (67.104) | 3.845 | (18.680) | 5.957 |
| b. | Monthly increase/decrease to be passed to Consumers (i+ii) | Ps/kWh 16.718 | (6.962) | (36.774) | (38.148) |
| c. | Units Sold at 19% T&D losses w.e.f Jul-12 | Mill kWh 1,163.512 | 1,221.654 | 1,140.109 | 1,102.964 |

| DESCRIPTION | Jun-12 | Jul-12 | Aug-12 | Sep-12 |
|-------------|--------|--------|--------|--------|
|-------------|--------|--------|--------|--------|

Work Sheet- Fuel Price Variation

1 UNITS SENT OUT - KESC

1a UNITS SENT OUT ON GAS

| | | | | | |
|-----------------------|----------|----------------|----------------|----------------|----------------|
| i Bin Qasim | Mill kWh | 138.823 | 174.930 | 220.297 | 220.665 |
| ii Bin Qasim II - CCP | | 326.034 | 230.353 | 152.670 | 190.197 |
| iii Korangi Thermal | Mill kWh | (0.121) | (0.104) | (0.114) | (0.116) |
| iv Korangi Gas 2 | Mill kWh | 55.992 | 51.286 | 48.446 | 45.813 |
| v Site Gas 2 | Mill kWh | 45.835 | 40.040 | 35.728 | 32.589 |
| vi Korangi combined | Mill kWh | 103.723 | 103.019 | 97.088 | 76.126 |
| Total (i to viii) | Mill kWh | 670.286 | 599.524 | 554.115 | 565.275 |

1b UNITS SENT OUT ON F. OIL

| | | | | | |
|-------------------|----------|----------------|----------------|----------------|----------------|
| i Bin Qasim | Mill kWh | 212.673 | 281.047 | 259.325 | 158.344 |
| Total (i to viii) | Mill kWh | 212.673 | 281.047 | 259.325 | 158.344 |

1c TOTAL UNITS SENT OUT (1 + 2)

| | | | | | |
|-----------------------|----------|----------------|----------------|----------------|----------------|
| i Bin Qasim | Mill kWh | 351.496 | 455.978 | 479.623 | 379.009 |
| ii Bin Qasim II - CCP | | 326.034 | 230.353 | 152.670 | 190.197 |
| iii Korangi Thermal | Mill kWh | (0.121) | (0.104) | (0.114) | (0.116) |
| iv Korangi Gas 2 | Mill kWh | 55.992 | 51.286 | 48.446 | 45.813 |
| v Site Gas 2 | Mill kWh | 45.835 | 40.040 | 35.728 | 32.589 |
| vi Korangi combined | Mill kWh | 103.723 | 103.019 | 97.088 | 76.126 |
| Total (i to vii) | Mill kWh | 882.959 | 880.571 | 813.441 | 723.618 |

2 HEAT RATE AT BUS BAR

2a Heat Rate of GAS - of item 1

| | | | | | |
|-----------------------|---------|--------|--------|--------|--------|
| i Bin Qasim | Btu/kWh | 10,650 | 10,650 | 10,650 | 10,650 |
| ii Bin Qasim II - CCP | Btu/kWh | 12,163 | 12,163 | 12,163 | 12,163 |
| iii Korangi Thermal | Btu/kWh | 13,738 | 13,738 | 13,738 | 13,738 |
| iv Korangi Gas 2 | Btu/kWh | 9,500 | 9,500 | 9,500 | 9,500 |
| v Site Gas 2 | Btu/kWh | 9,500 | 9,500 | 9,500 | 9,500 |
| vi Korangi combined | Btu/kWh | 9,110 | 9,110 | 9,110 | 9,110 |

2b CONVERSION FACTOR F. OIL - of item 2

| | | | | | |
|--------------------|--------|--------------|--------------|--------------|--------------|
| i Bin Qasim | Kg/kWh | 0.264 | 0.264 | 0.264 | 0.264 |
| ii Korangi Thermal | Kg/kWh | 0.340 | 0.340 | 0.340 | 0.340 |

3 FUEL PRICES

| | | | | | |
|--------------------------------|----------|---------------|---------------|---------------|---------------|
| a. Fuel Prices- Gas (Rs/MMBTu) | Rs/MMBTu | 507.86 | 560.00 | 560.00 | 560.00 |
| b. Fuel Price -F.O (Rs/Kg) | Rs/Kg | 67,128 | 61,497 | 65,891 | 68,942 |

4 COST OF FUEL

4a COST OF GAS

| | | | | | |
|-----------------------|---------|------------------|------------------|------------------|------------------|
| i Bin Qasim | Mill Rs | 750.853 | 1,043.285 | 1,313.854 | 1,316.046 |
| ii Bin Qasim II - CCP | Mill Rs | 2,013.965 | 1,569.012 | 1,039.887 | 1,295.496 |
| iii Korangi Thermal | Mill Rs | (0.843) | (0.800) | (0.876) | (0.891) |
| iv Korangi Gas 2 | Mill Rs | 270.141 | 272.839 | 257.735 | 243.727 |
| v Site Gas 2 | Mill Rs | 221.138 | 213.011 | 190.071 | 173.372 |
| vi Korangi combined | Mill Rs | 479.885 | 525.563 | 495.302 | 388.366 |
| Total (i to vii) | Mill Rs | 1,721.175 | 2,053.899 | 2,256.086 | 2,120.620 |

4b COST OF FURNACE OIL

| | | | | | |
|------------------|---------|------------------|------------------|------------------|------------------|
| i Bin Qasim | Mill Rs | 3,768.967 | 4,562.874 | 4,511.028 | 2,881.980 |
| Total (i to vii) | Mill Rs | 3,768.967 | 4,562.874 | 4,511.028 | 2,881.980 |

4c TOTAL COST OF FUEL

| | | | | | |
|-----------------------|---------|------------------|------------------|------------------|------------------|
| i Bin Qasim | Mill Rs | 4,519.820 | 5,606.159 | 5,824.882 | 4,198.026 |
| ii Bin Qasim II - CCP | Mill Rs | 2,013.965 | 1,569.012 | 1,039.887 | 1,295.496 |
| iii Korangi Thermal | Mill Rs | (0.843) | (0.800) | (0.876) | (0.891) |
| iv Korangi Gas 2 | Mill Rs | 270.141 | 272.839 | 257.735 | 243.727 |
| v Site Gas 2 | Mill Rs | 221.138 | 213.011 | 190.071 | 173.372 |
| vi Korangi combined | Mill Rs | 479.885 | 525.563 | 495.302 | 388.366 |
| Total | Mill Rs | 7,504.106 | 8,185.785 | 7,807.001 | 6,298.097 |

| DESCRIPTION | | Jun-12 | Jul-12 | Aug-12 | Sep-12 | |
|--|--|----------|------------------|------------------|------------------|------------------|
| 5 <u>COST OF FUEL PER KWH</u> | | | | | | |
| a | Bin Qasim | Rs/kWh | 12.859 | 12.295 | 12.145 | 11.076 |
| b | Bin Qasim II - CCP | Rs/kWh | 6.177 | 6.811 | 6.811 | 6.811 |
| c | Korangi Thermal | Rs/kWh | 6.977 | 7.693 | 7.693 | 7.693 |
| d | Korangi Gas 2 | Rs/kWh | 4.825 | 5.320 | 5.320 | 5.320 |
| e | Site Gas 2 | Rs/kWh | 4.825 | 5.320 | 5.320 | 5.320 |
| f | Korangi combined | Rs/kWh | 4.627 | 5.102 | 5.102 | 5.102 |
| 6 <u>INCREASE/DECREASE IN COST OF FUEL PER KWH</u> | | | | | | |
| a | Bin Qasim | Rs/kWh | 3.512 | (0.564) | (0.714) | (1.782) |
| b | Bin Qasim II - CCP | Rs/kWh | - | 0.716 | 0.716 | 0.716 |
| c | Korangi Thermal | Rs/kWh | - | 0.495 | 0.495 | 0.495 |
| d | Korangi Gas 2 | Rs/kWh | - | 0.495 | 0.495 | 0.495 |
| e | Site Gas 2 | Rs/kWh | - | 0.475 | 0.475 | 0.475 |
| f | Korangi combined | Rs/kWh | - | - | - | - |
| 7 <u>INCREASE / DECREASE IN FUEL COST OVER PREVIOUS MONTH</u> | | | | | | |
| a | Bin Qasim | Mill Rs | 1,234.533 | (257.167) | (342.489) | (675.567) |
| b | Bin Qasim II - CCP | Mill Rs | - | - | - | - |
| c | Korangi Thermal | Mill Rs | - | - | - | - |
| d | Korangi Gas 1 | Mill Rs | - | - | - | - |
| d | Korangi Gas 2 | Mill Rs | - | 25.403 | 23.997 | 22.693 |
| e | Site Gas 2 | Mill Rs | - | 19.833 | 17.697 | 16.142 |
| f | Korangi combined | Mill Rs | - | 48.934 | 46.116 | 36.160 |
| | Total (a to g) | Mill Rs | 1,234.533 | (162.997) | (254.679) | (600.573) |
| 8 <u>INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS</u> | | | | | | |
| a | Fuel price variation (item 7-h) | Mill Rs | 1,234.533 | (162.997) | (254.679) | (600.573) |
| b | Units Sent Out - KESC | Mill kWh | 882.959 | 880.571 | 813.441 | 723.618 |
| c | Power Purchase | Mill kWh | 589.840 | 627.644 | 594.101 | 638.066 |
| d | Total Units Sent Out (b + c) | Mill kWh | 1,472.800 | 1,508.215 | 1,407.542 | 1,361.684 |
| e | Increase / Decrease in Tariff (8a / 8d x 100) To be passed on to the consumers - FSA | Ps/kWh | 83.822 | (10.807) | (18.094) | (44.105) |
| 9 <u>INCREASE / DECREASE IN REVENUE</u> | | | | | | |
| a | Units Sold | Mill kWh | 1,163.512 | 1,221.654 | 1,140.109 | 1,102.964 |
| b | Increase / Decrease in Tariff | Ps/kWh | 83.822 | (10.807) | (18.094) | (44.105) |
| c | Increase / Decrease in Revenue (9a / 9b x 100) | Mill Rs | 975.281 | (132.028) | (206.290) | (486.464) |
| d | Accumulated increase / decrease in revenue | Mill Rs | 2,980.386 | (132.028) | (206.290) | (486.464) |
| d | Unrecovered Cost due to 21% T&D loss | | 259.252 | (30.969) | (48.389) | (114.109) |
| 10 <u>INCREASE / DECREASE IN TARIFF TO BE ADJUSTED ON QUARTERLY BASIS</u> | | | | | | |
| a | Fuel price variation - item 8a | Mill Rs | 1,234.533 | (162.997) | (254.679) | (600.573) |
| b | Units Sent Out - KESC | Mill kWh | 882.959 | 880.571 | 813.441 | 723.618 |
| c | Power Purchase | Mill kWh | 589.840 | 627.644 | 594.101 | 638.066 |
| d | Total Units Sent Out | Mill kWh | 1,472.800 | 1,508.215 | 1,407.542 | 1,361.684 |
| e | Trans & Dist Losses | | 21% | 19% | 19% | 19% |
| f | Units Sold (10d - 10e) | Mill kWh | 1,163.512 | 1,221.654 | 1,140.109 | 1,102.964 |
| g | Increase / Decrease in Tariff (10a / 10f x 100) To be passed on to the consumers - Tariff | Ps/kWh | 106.104 | (13.342) | (22.338) | (54.451) |

| DESCRIPTION | Jun-12 | Jul-12 | Aug-12 | Sep-12 |
|-------------|--------|--------|--------|--------|
|-------------|--------|--------|--------|--------|

Work Sheet- Power Purchase Cost Variation

1 POWER PURCHASES

| | | | | | | |
|---|---------------|----------|----------------|----------------|----------------|----------------|
| a | KANUPP | Mill kWh | 33.802 | 59.403 | 46.546 | 55.164 |
| b | PASMIC | Mill kWh | 1.049 | 0.333 | 0.523 | 0.165 |
| c | TAPAL | Mill kWh | 29.620 | 28.022 | 20.731 | 60.162 |
| d | GUL AHMED | Mill kWh | 71.684 | 68.519 | 58.145 | 64.450 |
| e | NTDC/WAPDA | Mill kWh | 443.720 | 460.431 | 457.169 | 447.413 |
| f | ANOUD POWER | Mill kWh | 3.446 | 3.608 | 3.284 | 4.757 |
| h | INT IND (IIL) | Mill kWh | 6.520 | 7.327 | 7.701 | 5.954 |
| m | TOTAL | Mill kWh | 589.840 | 627.644 | 594.101 | 638.066 |

2 COST OF POWER PURCHASE - FUEL COST

| | | | | | | |
|---|---------------|---------|------------------|------------------|------------------|------------------|
| a | KANUPP | Mill Rs | 272.569 | 560.433 | 477.452 | 481.097 |
| b | PASMIC | Mill Rs | 8.457 | 3.145 | 5.369 | 1.438 |
| c | TAPAL | Mill Rs | 446.502 | 386.521 | 291.747 | 920.550 |
| d | GUL AHMED | Mill Rs | 1,109.387 | 976.694 | 868.533 | 1,027.833 |
| e | NTDC/WAPDA | Mill Rs | 3,074.492 | 3,360.614 | 3,040.257 | 2,956.055 |
| f | ANOUD POWER | Mill Rs | 38.504 | 38.319 | 36.423 | 56.510 |
| h | INT IND (IIL) | Mill Rs | 32.349 | 33.840 | 35.535 | 27.241 |
| m | TOTAL | Mill Rs | 4,982.259 | 5,359.567 | 4,755.315 | 5,470.724 |

3 COST OF POWER PURCHASE- Fuel Cost/kWh

| | | | | | | |
|---|---------------|--------|--------------|--------------|--------------|--------------|
| a | KANUPP | Rs/kWh | 8.064 | 9.434 | 10.258 | 8.721 |
| b | PASMIC | Rs/kWh | 8.064 | 9.434 | 10.258 | 8.721 |
| c | TAPAL | Rs/kWh | 15.075 | 13.793 | 14.073 | 15.301 |
| d | GUL AHMED | Rs/kWh | 15.476 | 14.254 | 14.937 | 15.948 |
| e | NTDC/WAPDA | Rs/kWh | 6.929 | 7.299 | 6.650 | 6.607 |
| f | ANOUD POWER | Rs/kWh | 11.172 | 10.620 | 11.090 | 11.878 |
| h | INT IND (IIL) | Rs/kWh | 4.962 | 4.619 | 4.614 | 4.575 |
| m | AVERAGE | Rs/kWh | 8.447 | 8.539 | 8.004 | 8.574 |

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 | 8.447 | 8.539 | 8.004 | 8.574 |
| b | Reference Rate - Previous Month | Rs/kWh | 10.122 | 8.447 | 8.447 | 8.447 |
| c | Increase / Decrease in Average Rate of Power Purchase (4a-4b) | Rs/kWh | (1.676) | 0.092 | (0.443) | 0.127 |
| d | Total Power Purchase (Item 1m) | Mill kWh | 589.840 | 627.644 | 594.101 | 638.066 |
| e | Increase / Decrease in Fuel Cost of Power Purchase (4c*4d) | Mill Rs | (988.310) | 57.989 | (262.935) | 81.115 |

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

| | | | | | | |
|---|---|----------|------------------|------------------|------------------|------------------|
| a | Fuel price variation in cost of power purchase (Item 4a) | | (988.310) | 57.989 | (262.935) | 81.115 |
| b | Units Sent Out - KESC | Mill kWh | 882.959 | 880.571 | 813.441 | 723.618 |
| c | Power Purchase | Mill kWh | 589.840 | 627.644 | 594.101 | 638.066 |
| d | Total Units Sent Out (b + c) | Mill kWh | 1,472.800 | 1,508.215 | 1,407.542 | 1,361.684 |
| e | Increase / Decrease in Tariff (5a / 5d x 100) To be passed on to the consumers - FSA | Ps/kWh | (67.104) | 3.845 | (18.680) | 5.957 |

6 INCREASE / DECREASE IN REVENUE

| | | | | | | |
|---|---|----------|-----------|---------------|------------------|------------------|
| a | Units Sold | Mill kWh | 1,163.512 | 1,221.654 | 1,140.109 | 1,102.964 |
| b | Increase / Decrease in Tariff (item 5e) | Ps/kWh | (67.104) | 3.845 | (18.680) | 5.957 |
| c | Increase / Decrease in Revenue (6a / 6b x100) | Mill Rs | (780.765) | 46.971 | (212.978) | 65.703 |
| d | Accumulated increase / decrease in revenue | Mill Rs | | 46.971 | (166.007) | (100.304) |
| e | Unrecovered Cost due to 21% T&D loss | Mill Rs | | | | |

7 O&M PAYMENT

| | | | | | | |
|---|---------------|---------|----------------|----------------|----------------|----------------|
| a | KANUPP | Mill Rs | 17.529 | 33.266 | 26.066 | 30.892 |
| b | PASMIC | Mill Rs | 1.348 | 0.510 | 0.801 | 0.252 |
| c | TAPAL | Mill Rs | 24.703 | 24.640 | 18.229 | 52.900 |
| d | GUL AHMED | Mill Rs | 34.903 | 35.171 | 29.846 | 33.082 |
| e | NTDC/WAPDA | Mill Rs | 744.093 | 745.804 | 737.185 | 717.759 |
| f | ANOUD POWER | Mill Rs | 5.849 | 6.124 | 5.575 | 8.075 |
| h | INT IND (IIL) | Mill Rs | 9.741 | 10.966 | 11.553 | 9.184 |
| m | TOTAL | Mill Rs | 838.166 | 856.481 | 829.255 | 852.145 |

| DESCRIPTION | | Jun-12 | Jul-12 | Aug-12 | Sep-12 | |
|-------------|--|----------|--------------------|------------------|------------------|------------------|
| 8 | <u>O&M PAYMENT (Rs/kWh)</u> | | | | | |
| a | KANUPP | Rs/kWh | 0.519 | 0.560 | 0.560 | 0.560 |
| b | PASMIC | Rs/kWh | 1.285 | 1.529 | 1.529 | 1.529 |
| c | TAPAL | Rs/kWh | 0.834 | 0.879 | 0.879 | 0.879 |
| d | GUL AHMED | Rs/kWh | 0.487 | 0.513 | 0.513 | 0.513 |
| e | NTDC/WAPDA | Rs/kWh | 1.677 | 1.620 | 1.613 | 1.604 |
| f | ANOUD POWER | Rs/kWh | 1.697 | 1.697 | 1.697 | 1.697 |
| h | INT IND (IIL) | Rs/kWh | 1.494 | 1.497 | 1.500 | 1.542 |
| m | TOTAL | Rs/kWh | 1.421 | 1.365 | 1.396 | 1.336 |
| n | Variation over Base Rate | Rs/kWh | (0.183) | (0.056) | (0.025) | (0.085) |
| o | Variation over Base Rate (8a*1m) | Mill Rs | (107.665) | (35.404) | (14.966) | (54.549) |
| 9 | <u>CAPACITY PAYMENT</u> | | | | | |
| c | TAPAL | Mill Rs | 116.943 | 121.287 | 121.287 | 121.287 |
| d | GUL AHMED | Mill Rs | 83.313 | 87.950 | 87.205 | 87.205 |
| m | TOTAL | Mill Rs | 200.256 | 209.237 | 208.492 | 208.492 |
| 10 | <u>CAPACITY PAYMENT (Rs/ Kwh)</u> | | | | | |
| c | TAPAL | Mill Rs | 3.948 | 4.328 | 5.850 | 2.016 |
| d | GUL AHMED | Mill Rs | 1.162 | 1.284 | 1.500 | 1.353 |
| m | TOTAL | Mill Rs | 0.340 | 0.333 | 0.351 | 0.327 |
| n | Variation over Base Rate | Rs/kWh | 0.014 | (0.006) | 0.011 | (0.013) |
| o | Variation over Base Rate (10n*1m) | Mill Rs | 8.004 | (3.854) | 6.789 | (8.138) |
| 11 | <u>TOTAL O&M & CAPACITY PAYMENT</u> | | | | | |
| a | KANUPP | Mill Rs | 17.529 | 33.266 | 26.066 | 30.892 |
| b | PASMIC | Mill Rs | 1.348 | 0.510 | 0.801 | 0.252 |
| c | TAPAL | Mill Rs | 141.646 | 145.927 | 139.516 | 174.187 |
| d | GUL AHMED | Mill Rs | 118.216 | 123.121 | 117.051 | 120.287 |
| e | NTDC/WAPDA | Mill Rs | 744.093 | 745.804 | 737.185 | 717.759 |
| f | ANOUD POWER | Mill Rs | 5.849 | 6.124 | 5.575 | 8.075 |
| h | INT IND (IIL) | Mill Rs | 9.741 | 10.966 | 11.553 | 9.184 |
| m | TOTAL | Mill Rs | 1,038.422 | 1,065.717 | 1,037.746 | 1,060.637 |
| 12 | <u>TOTAL COST WITH O&M AND CAPACITY PAYMENT</u> | | | | | |
| a | KANUPP | Mill Rs | 290.098 | 593.699 | 503.518 | 511.989 |
| b | PASMIC | Mill Rs | 9.805 | 3.655 | 6.170 | 1.690 |
| c | TAPAL | Mill Rs | 588.148 | 532.447 | 431.263 | 1,094.737 |
| d | GUL AHMED | Mill Rs | 1,227.603 | 1,099.814 | 985.584 | 1,148.120 |
| e | NTDC/WAPDA | Mill Rs | 3,818.584 | 4,106.418 | 3,777.442 | 3,673.814 |
| f | ANOUD POWER | Mill Rs | 44.354 | 44.444 | 41.997 | 64.585 |
| h | INT IND (IIL) | Mill Rs | 42.089 | 44.807 | 47.088 | 36.426 |
| m | TOTAL | Mill Rs | 6,020.681 | 6,425.284 | 5,793.062 | 6,531.361 |
| 13 | <u>COST OF POWER PURCHASE- TOTAL Cost/kWh</u> | | | | | |
| a | KANUPP | Rs/kWh | 8.582 | 9.994 | 10.818 | 9.281 |
| b | PASMIC | Rs/kWh | 9.349 | 10.964 | 11.787 | 10.250 |
| c | TAPAL | Rs/kWh | 19.857 | 19.001 | 20.802 | 18.197 |
| d | GUL AHMED | Rs/kWh | 17.125 | 16.051 | 16.950 | 17.814 |
| e | NTDC/WAPDA | Rs/kWh | 8.606 | 8.919 | 8.263 | 8.211 |
| f | ANOUD POWER | Rs/kWh | 12.870 | 12.317 | 12.787 | 13.576 |
| h | INT IND (IIL) | Rs/kWh | 6.456 | 6.115 | 6.114 | 6.118 |
| m | AVERAGE | Rs/kWh | 10.207 | 10.237 | 9.751 | 10.236 |
| 14 | <u>INCREASE / DECREASE IN POWER PURCHASE COST - TOTAL</u> | | | | | |
| a | Average Monthly cost of Power Purchase - Fuel Cost (Item 13r) | Rs/kWh | 10.229 | 10.237 | 9.751 | 10.236 |
| b | Reference Rate - Previous Month | Rs/kWh | 12.052 | 10.207 | 10.207 | 10.207 |
| c | Increase / Decrease in Average Rate of Power Purchase (a-b) | Rs/kWh | (1.824) | 0.030 | (0.456) | 0.029 |
| d | Total Power Purchase (Item 1m) | Mill kWh | 589.840 | 627.644 | 594.101 | 638.066 |
| e | Increase / Decrease in Total Cost of Power Purchase (c*d) | Mill Rs | (1,075.640) | 18.730 | (271.113) | 18.428 |
| f | Adjustment in cost of KANUPP | | | | | |
| g | Unrecovered cost Previous Quarter | | | | | |
| h | Total (e+f+g) | | (1,075.640) | 18.730 | (271.113) | 18.428 |

| DESCRIPTION | Jun-12 | Jul-12 | Aug-12 | Sep-12 |
|-------------|--------|--------|--------|--------|
|-------------|--------|--------|--------|--------|

15 INCREASE / DECREASE IN TARIFF

TO BE ADJUSTED ON QUARTERLY BASIS

| | | | | | | |
|---|--|----------|------------------|------------------|------------------|------------------|
| a | Total price variation in cost of power purchase (Item 14h) | Mill Rs | (1,075.640) | 18.730 | (271.113) | 18.428 |
| | Units Sent Out | | | | | |
| b | KESC | Mill kWh | 882.959 | 880.571 | 813.441 | 723.618 |
| c | Power Purchase | Mill kWh | 589.840 | 627.644 | 594.101 | 638.066 |
| d | Total Units Sent Out (b+c) | Mill kWh | 1,472.800 | 1,508.215 | 1,407.542 | 1,361.684 |
| e | Trans & Dist Losses | | 21.0% | 19.0% | 19.0% | 19.0% |
| f | Units Sold (15d-15e) | Mill kWh | 1,163.512 | 1,221.654 | 1,140.109 | 1,102.964 |
| g | Increase / Decrease in Tariff | | | | | |
| h | Power Purchase (15a/15f) | Ps/kWh | (92.448) | 1.533 | (23.780) | 1.671 |

16 INCREASE / DECREASE IN REVENUE

| | | | | | | |
|---|--|----------|-------------|-----------|-----------|-------------|
| a | Units Sold (Item 15f) | Mill kWh | 1,163.512 | 1,221.654 | 1,140.109 | 1,102.964 |
| b | Increase / Decrease in Tariff (Item 15h) | Ps/kWh | (92.448) | 1.533 | (23.780) | 1.671 |
| c | Increase / Decrease in Revenue (a*b) | Mill Rs | (1,075.640) | 18.730 | (271.113) | 18.428 |
| d | Accumulated increase / decrease in revenue | Mill Rs | | 18.730 | (252.382) | -233.954117 |

Sep-12

| Description | MMBTU (As per Bills) | Cubic Meters | GCV AS PER BILLS | GCV AS PER BTU's ON BILLS | MMCF | MMCFD | BTU/CF | MMBTUs | Amount excluding Meter rent | GID-CESS Rs. | Meter rent | Total SSGC | Rs/MMBTU |
|---|-------------------------|--------------------|---------------------|---------------------------------|--------------------|----------------|---------------------|------------------------|-----------------------------------|--------------------|---------------|----------------------|---------------|
| BIN QASIM | | | | | | | | | | | | | |
| Bin Qasim Power Station (1) | 395,546,441.9 | 12,013,784 | 927,610 | 927,60667 | 426,416 | 14,214 | 14,039,539 | 395,547.86 | 181,951,364 | 39,554,644 | 2,500 | 221,508,508 | 460.00 |
| Bin Qasim Power Station (2) | 417,859,692.3 | 12,691,496 | 927,610 | 927,60667 | 450,471 | 15,016 | 14,831,526 | 417,861.19 | 192,215,459 | 41,785,969 | 2,500 | 234,003,928 | 460.00 |
| Bin Qasim Power Station (3) | 410,410,089.4 | 12,465,232 | 927,610 | 927,60667 | 442,440 | 14,748 | 14,367,110 | 410,411.56 | 188,788,641 | 41,041,009 | 2,500 | 229,832,150 | 460.00 |
| Bin Qasim Power Station (4) | 411,933,303.1 | 12,511,496 | 927,610 | 927,60667 | 444,082 | 14,803 | 14,621,175 | 411,934.78 | 189,489,319 | 41,193,330 | 2,500 | 230,685,149 | 460.00 |
| Bin Qasim Power Station (5) | 407,633,641.9 | 12,380,904 | 927,610 | 927,60667 | 439,447 | 14,648 | 14,468,562 | 407,635.11 | 187,511,476 | 40,763,364 | 2,500 | 228,277,340 | 460.00 |
| Bin Qasim Power Station (6) | 406,580,983.5 | 12,348,932 | 927,610 | 927,60667 | 438,312 | 14,610 | 14,431,199 | 406,582.44 | 187,027,252 | 40,658,098 | 2,500 | 227,687,850 | 460.00 |
| Total | 2,449,964,152.1 | 74,411,844 | 927,6100 | 927,60667 | 2,641,17 | 88,04 | 86,959,111 | 2,449,972,957.6 | 1,126,983,511 | 244,996,414 | 15,000 | 1,371,994,925 | 460.00 |
| BIN QASIM COMBINED CYCLE POWER PLANT | | | | | | | | | | | | | |
| | | | | | | | | | | | | 17,214,093.85 | Jan-00 |
| Bin Qasim Power Station (7) | 343,262,783.0 | 10,425,792 | 927,610 | 927,60667 | 370,052 | 12,335 | 12,183,781 | 343,264.02 | 157,900,880 | 34,326,278 | 2,500 | 192,229,658 | 460.00 |
| Bin Qasim Power Station (8) | 347,129,886.0 | 10,543,240 | 927,610 | 927,60667 | 374,221 | 12,474 | 12,321,033 | 347,130.93 | 159,679,856 | 34,712,969 | 2,500 | 194,395,125 | 460.00 |
| Bin Qasim Power Station (9) | 359,612,768.8 | 10,922,384 | 927,610 | 927,60667 | 387,678 | 12,923 | 12,764,108 | 359,614.06 | 165,421,874 | 35,961,277 | 2,500 | 201,385,651 | 460.00 |
| Bin Qasim Power Station (10) | 369,069,178.8 | 11,209,800 | 927,610 | 927,60667 | 397,872 | 13,262 | 13,099,754 | 369,070.51 | 169,771,822 | 38,906,918 | 2,500 | 206,681,240 | 460.00 |
| Bin Qasim Power Station (11) | 391,285,532.7 | 11,884,369 | 927,610 | 927,60667 | 421,823 | 14,061 | 13,888,302 | 391,286.94 | 179,991,345 | 39,128,553 | 2,500 | 219,122,398 | 460.00 |
| Total | 1,810,359,949.3 | 54,985,385 | 927,610 | 927,60667 | 1,951,646.1 | 65,055 | 64,256,978 | 1,810,366,46 | 832,765,577 | 181,035,995 | 12,500 | 1,013,814,072 | 460.00 |
| KORANGI THERMAL POWER STATION | | | | | | | | | | | | | |
| Korangi Thermal Power Station | | | 975,300 | #DIV/0! | | | | | 15,511 | | 3,000 | 18,511 | #DIV/0! |
| KORANGI OWN GAS TURBINE-II | | | | | | | | | | | | | |
| Korangi Town Gas Turbine | 439,563,920.6 | 13,822,432 | 895,950 | 895,95000 | 490,612 | 16,354 | 15,601,841 | 439,563.92 | 202,199,403 | 43,958,392 | 3,000 | 246,158,795 | 460.00 |
| SITE GAS TURBINE-II | | | | | | | | | | | | | |
| Site Gas Turbine | 184,125,944.9 | 5,574,480 | 930,590 | 930,58667 | 197,860 | 6,595 | 6,535,373 | 184,126.60 | 84,697,935 | 18,412,594 | 3,000 | 103,113,529 | 460.00 |
| Site Gas Turbine - 2 | 148,741,399.2 | 4,503,200 | 930,590 | 930,58667 | 159,836 | 5,328 | 5,279,432 | 148,741.93 | 68,421,044 | 14,874,140 | 2,500 | 83,297,684 | 460.00 |
| | 332,867,344.1 | 10,077,680 | 930,590 | 930,58667 | 357,6962 | 11,923 | 11,814,805 | 332,868.54 | 153,118,979 | 33,286,734 | 5,500 | 186,411,213 | 460.00 |
| KORANGI COMBINED CYCLE | | | | | | | | | | | | | |
| Korangi Thermal Power Station (KTPS 1) | 324,198,832.2 | 9,373,837 | 974,410 | 974,40667 | 332,714 | 11,090 | 11,507,122 | 324,199.94 | 149,131,463 | 32,419,883 | 2,500 | 181,553,846 | 460.00 |
| Korangi Thermal Power Station (KTPS 2) | 345,852,363.6 | 9,999,924 | 974,410 | 974,40667 | 354,936 | 11,831 | 12,275,693 | 345,853.55 | 159,092,087 | 34,585,236 | 2,500 | 193,679,823 | 460.00 |
| | 670,051,195.8 | 19,373,761 | 974,410 | 974,40667 | 687,6505 | 22,922 | 23,782,815 | 670,053.49 | 308,223,550 | 67,005,119 | 5,000 | 375,233,669 | 460.00 |
| Total | 5,702,806,561.9 | 172,671,102 | 930,500 | 930,49743 | 6,128,7720 | 204,292 | 202,415,5505 | 5,702,825,358.6 | 2,623,306,531 | 570,280,654 | 44,000 | 3,193,631,185 | 460.00 |

| Vendor | Inv Date | Invoice No | Quantity | Total Cost | Total GST Amount | Grand Total (BYCO) |
|--------|-----------|------------|-----------|---------------|------------------|--------------------|
| BYCO | 26-Sep-12 | 500047405 | 988.487 | 67,982,500 | 10,877,200 | 79,666,885 |
| BYCO | 14-Sep-12 | 500047284 | 988.947 | 88,320,593 | 10,931,295 | 80,064,189 |
| BYCO | 13-Sep-12 | 500047271 | 981.205 | 68,476,585 | 10,956,254 | 80,246,974 |
| BYCO | 11-Sep-12 | 500047266 | 982.624 | 68,574,815 | 10,971,938 | 80,361,855 |
| BYCO | 20-Sep-12 | 500047361 | 995.354 | 68,456,158 | 10,952,965 | 80,221,731 |
| BYCO | 15-Sep-12 | 500047307 | 986.258 | 68,825,667 | 11,012,107 | 80,656,060 |
| BYCO | 26-Sep-12 | 500047410 | 999.006 | 68,707,327 | 10,993,172 | 80,518,068 |
| BYCO | 29-Sep-12 | 500047428 | 1,423.681 | 97,914,643 | 15,666,343 | 114,743,251 |
| BYCO | 28-Sep-12 | 500047427 | 1,484.228 | 102,078,805 | 16,332,609 | 119,823,108 |
| BYCO | 18-Sep-12 | 500047320 | 1,493.332 | 102,704,939 | 16,432,790 | 120,356,855 |
| BYCO | 18-Sep-12 | 500047317 | 1,496.982 | 102,955,970 | 16,472,955 | 120,651,031 |
| BYCO | 4-Sep-12 | 500047206 | 1,985.149 | 137,833,233 | 22,053,317 | 161,525,285 |
| BYCO | 10-Sep-12 | 500047254 | 1,986.527 | 137,928,431 | 22,068,549 | 161,636,647 |
| BYCO | 6-Sep-12 | 500047215 | 1,996.898 | 137,954,061 | 22,072,650 | 161,666,883 |
| BYCO | 23-Sep-12 | 500047366 | 2,002.055 | 137,692,714 | 22,030,834 | 161,357,986 |
| BYCO | 4-Sep-12 | 500047201 | 2,488.069 | 171,885,516 | 27,501,683 | 201,430,790 |
| BYCO | 20-Sep-12 | 500047336 | 3,002.353 | 206,488,899 | 33,038,224 | 241,978,164 |
| BYCO | 22-Sep-12 | 500047362 | 3,035.580 | 208,774,109 | 33,403,857 | 244,856,153 |
| | | | 29,367 | 2,023,544,743 | 323,768,782 | 2,377,569,865 |

| Vendor | Inv Date | Invoice No | Quantity | Total Cost | Total GST Amount | Total Financial charges (PSO) | Grand Total (PSO) |
|--------|-----------|------------|----------|----------------|------------------|-------------------------------|-------------------|
| PSO | 1-Sep-12 | 961301438 | 2,478 | 171,985,217.71 | 27,517,835 | 1,145,355 | 200,648,207 |
| PSO | 2-Sep-12 | 961301439 | 2,470 | 171,555,826.91 | 27,448,932 | 1,142,495 | 200,147,254 |
| PSO | 7-Sep-12 | 961301440 | 2,330 | 161,839,913.82 | 25,894,386 | 1,077,791 | 188,812,091 |
| PSO | 14-Sep-12 | 961312985 | 1,838 | 127,839,419.18 | 20,422,307 | 850,029 | 148,911,755 |
| PSO | 21-Sep-12 | 961324771 | 1,844 | 127,454,750.87 | 20,392,760 | 845,766 | 148,693,277 |
| PSO | 29-Sep-12 | 961344979 | 1,984 | 137,155,570.75 | 21,944,891 | 910,138 | 160,010,600 |
| PSO | 30-Sep-12 | 961344980 | 1,998 | 137,972,770.09 | 22,075,643 | 915,561 | 160,963,974 |
| | | | 14,968 | 1,035,803,468 | 165,668,555 | 6,887,134 | 1,208,187,159 |