

**KARACHI ELECTRIC SUPPLY COMPANY LTD.**

KESC House, 39-B, Sunset Boulevard, Phase IV, DHA, Karachi, Pakistan
Phone: (92 21) 32647034 – Email: rauf.yousuf@kesc.com.pk

Ref. No.D RA&SP/NEPRA/071/1033

Dated: 23rd January, 2013

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 2012.**

This is with reference to the Authority's tariff determination of 23rd December 2009 of KESCL on account of fuel price and power purchase cost variation, the required adjustment in KESC's tariff for the quarter ended December 2012 is as under:

1. Required Adjustment in Schedule of Tariff for the Quarter ended December 2012

1.1. As per the tariff adjustment mechanism applicable, the cost for the period Oct-Dec 2012 has increased by Ps. 21.820/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 (taking into account the effect of T&D loss);

| DESCRIPTION | December 2012 (Over Sep-12) | |
|----------------------------------|--------------------------------|---------------|
| | Mill. Rs. | Ps/kWh |
| Fuel Price Variation | (291.075) | (35.097) |
| Power Purchase Price Variation | 472.040 | 56.917 |
| Total Variation in Tariff | 180.965 | 21.820 |

1.2. Unrecovered Cost

The Authority in its determination dated 23rd December 2009 specified that the quarterly adjustment in schedule of tariff shall take care of;

- Monthly variation in the O&M cost and capacity charges for the power purchased from IPPs and other external sources; and
- Any un-recovered cost of fuel, due to non-adjustment of T&D losses in the monthly fuel price adjustment already allowed by Authority for recovery by KESCL through monthly bills of consumers.

Based on the approved mechanism and the details mentioned above, the unrecovered cost for the period October to December 2012 is as under:

| Unrecovered Cost for the period October to December 2012 | Amount (Mill Rs) |
|---|-------------------------|
| Variation in O&M cost of IPPs and other sources | 435.120 |
| Variation in Capacity charges of IPPs and other sources | 112.612 |
| Unrecovered cost due to non-adjustment of T&D losses in FCA | 125.417 |
| Adjustment of Capacity Charges of – Gul Ahmed (Jul-11 to Sep-12) | 329.094 |
| Total Unrecovered Cost for Oct-Sep 2012 | 1,002.243 |
| Estimated Units to be sold @19% T&D loss in the next quarter (GWH) | 2,299.533 |
| Required Adjustment in KESC's Tariff (Ps/kWh) | 43.585 |

2. **Request for Adjustment in Tariff**

In view of the above, the overall increase in the KESC's tariff for the quarter December, 2012 works out to be as follows:

| Total Required Adjustment in KESC's Tariff | Ps/kWh |
|---|---------------|
| Required Adjustment in KESC's tariff | 21.820 |
| Unrecovered Cost for Oct-Sep 12 | 43.585 |
| Sub Total | 65.405 |
| Adjustment of Unrecovered cost of previous quarter Jul-Sep 2012 | 11.210 |
| Total Required adjustment in KESCL's Tariff | 76.615 |

The requisite information / details on the captioned subject are enclosed for your reference. It is requested that the required adjustment in tariff may be allowed for the quarter ended 30th December, 2012.

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

K. E. S. C. LTD

SUMMARY OF REQUIRED ADJUSTMENT IN SOT FOR THE QUARTER ENDING SEP-12

| A WORKING OF ADJUSTMENT IN KESCL TRIFF DUE TO VARIATION IN FUEL AND POWER PURCHASE | Sep-12 | | Dec-12 | QTR |
|--|--------|--|--------|-----|
|--|--------|--|--------|-----|

COST INCLUDING O&M AND CAPACITY CHARGES

| | | | | |
|---|----------|------------------|------------------|------------------|
| UNITS SOLD | Mill kWh | | | 829.347 |
| FUEL PRICE VARIATION | Mill Rs | | | (291.075) |
| Cost of Power Purchase | | | | |
| - Fuel Component | Mill Rs | 5,468.135 | 5,269.627 | |
| - O&M Cost | Mill Rs | 851.894 | 868.784 | |
| - Capacity Payment | Mill Rs | 208.492 | 233.789 | |
| - Total Cost of Power Purchased | Mill Rs | 6,528.520 | 6,372.200 | |
| Power Purchased | Mill kWh | 638.066 | 576.653 | |
| Average Rate of Power Purchase | | | | |
| - Fuel Component | Rs/kWh | 8.570 | 9.138 | 0.568 |
| - O&M Cost | Rs/kWh | 1.335 | 1.507 | 0.171 |
| - Capacity Payment | Rs/kWh | 0.327 | 0.405 | 0.079 |
| - Total Cost of Power Purchased | Rs/kWh | 10.232 | 11.050 | 0.819 |
| POWER PURCHASED COST VARIATION | | | | |
| - Fuel Component | Mill Rs | | | 327.793 |
| - O&M Cost | Mill Rs | | | 98.883 |
| - Capacity Payment | Mill Rs | | | 45.364 |
| - Total Cost of Power Purchased | Mill Rs | | | 472.040 |
| Total Cost Variation (Fuel + Purchase) | Mill Rs | | | 180.965 |
| QUARTERLY INCREASE/DECREASE IN RATE | | | | |
| - Fuel Price Variation | Ps/kWh | | | (35.097) |
| - Power Purchase Cost variation | Ps/kWh | | | 56.917 |
| - Total Cost Variation | Ps/kWh | | | 21.820 |

| B | WORKING OF ADJUSTMENT IN KESCL TRIFF DUE TO UNRECOVERED COST | Oct-12 | Nov-12 | Dec-12 | QTR |
|---|--|--------|--------|--------|-----|
|---|--|--------|--------|--------|-----|

| | | | | | |
|----|---|---------|---------|--------|---------|
| a. | Variation in O&M Cost Power Purchase | 109.585 | 226.651 | 98.883 | 435.120 |
| b. | Variation in Capacity Cost Power Purchase | 30.815 | 36.432 | 45.364 | 112.612 |

c. i Total Variation in Fuel & Power Purchase Cost

| | | | | | |
|---------------------------------|---------|----------|-----------|-----------|---------|
| Fuel Price Variation | Mill Rs | 512.409 | 264.086 | (291.075) | 485.420 |
| Power Purchase(fuel) variation | Mill Rs | (19.701) | (133.420) | 327.793 | 174.672 |
| | Mill Rs | 492.708 | 130.666 | 36.718 | 660.092 |

Units Sent Out

| | | | | | |
|-------------------------------|--------|--------|--------|-------|--------|
| Increase/decrease in FSA Rate | Ps/kWh | 35.467 | 10.924 | 3.586 | 18.289 |
|-------------------------------|--------|--------|--------|-------|--------|

T&D Losses

| | | | | | |
|-------------------------|----------|-----------|---------|---------|-----------|
| Units Sold as per NEPRA | Mill kWh | 1,125.252 | 968.842 | 829.347 | 2,923.441 |
|-------------------------|----------|-----------|---------|---------|-----------|

ii Recovery of Cost under Monthly FSA

| | | | | | |
|---------------------------------|---------|----------|-----------|-----------|---------|
| Fuel Price Variation | Mill Rs | 415.051 | 213.910 | (235.771) | 393.190 |
| Power Purchase(fuel) variation | Mill Rs | (15.958) | (108.070) | 265.512 | 141.484 |
| | Mill Rs | 399.094 | 105.840 | 29.741 | 534.675 |

iii Unrecovered Cost due to non adjustment of T&D losses

| | | | | | |
|---------------------------------|---------|---------|----------|----------|---------|
| Fuel Price Variation | Mill Rs | 97.358 | 50.176 | (55.304) | 92.230 |
| Power Purchase(fuel) variation | Mill Rs | (3.743) | (25.350) | 62.281 | 33.188 |
| Total | Mill Rs | 93.615 | 24.827 | 6.976 | 125.417 |

d. Adjustment of un-recovered cost of Prv Quarter

| | | | | | |
|--|----------|--|--|--|-----------|
| Unrecovered cost of previous quarter | Mill Rs | | | | (327.724) |
| Allowed adjustment in KESCL Tariff | Ps/kWh | | | | (11.210) |
| Actual Units sold as per NEPRA | Mill kWh | | | | 2,923.441 |
| Actual Recovery of Un-recovered cost | Mill Rs | | | | (327.724) |
| Shortfall/(Surplus) adjustment of unrecovered cost | Mill Rs | | | | - |

SUMMARY OF UNRECOVERED COST

| | | | |
|----|--|---------|---------|
| a. | Variation in O&M Cost Power Purchase | Mill Rs | 435.120 |
| b. | Variation in Capacity Cost Power Purchase | Mill Rs | 112.612 |
| c. | Unrecovered Cost due to non adjustment of T&D losses | Mill Rs | 125.417 |
| d. | Adjustment of un-recovered cost of Prev. Qtr. | Mill Rs | - |

673.149

| | | | |
|----|--|---------|-----------|
| e. | Adjustment of Capacity Charges - Gul-Ahmed | Mill Rs | 329.094 |
| | Total Adjustment in Quarterly Tariff | Mill Rs | 1,002.243 |

| | | |
|--|----------|-----------|
| Estimated Units to be sold in next quarter | Mill kWh | 2,299.533 |
|--|----------|-----------|

Required adjustment in Tariff

| | | | |
|---|--|--------|--------|
| a | Quarterly Revision of SOT for the Quarter 'A' | Ps/kWh | 21.820 |
| b | Unrecovered Cost for current quarter | Ps/kWh | 43.585 |
| | Sub-Total | | 65.405 |
| c | Reversal of tariff adjustment of prev. quarter | Ps/kWh | 11.210 |
| | Total Required adjustment in KESCL's Tariff | Ps/kWh | 76.615 |

| DESCRIPTION | Sep-12 | Oct-12 (Rev.) | Nov-12 (Rev.) | Dec-12 |
|-------------|--------|---------------|---------------|--------|
|-------------|--------|---------------|---------------|--------|

Work Sheet- Fuel Price Variation

1 UNITS SENT OUT - KESC

1a UNITS SENT OUT ON GAS

| | | | | | |
|-----------------------|----------|----------------|----------------|----------------|----------------|
| i Bin Qasim | Mill kWh | 220.665 | 142.131 | 97.070 | 80.572 |
| ii Bin Qasim II - CCP | Mill kWh | 190.197 | 333.985 | 299.872 | 306.414 |
| iii Korangi Thermal | Mill kWh | (0.116) | (0.122) | (0.111) | (0.144) |
| iv Korangi Gas 2 | Mill kWh | 45.813 | 32.870 | 8.016 | 2.617 |
| v Site Gas 2 | Mill kWh | 32.589 | 4.557 | 1.717 | 0.454 |
| vi Korangi combined | Mill kWh | 76.126 | 65.045 | 37.593 | 21.852 |
| Total (i to viii) | Mill kWh | 565.275 | 578.466 | 444.158 | 411.765 |

1b UNITS SENT OUT ON F. OIL

| | | | | | |
|-------------------|----------|----------------|----------------|----------------|---------------|
| i Bin Qasim | Mill kWh | 158.344 | 189.556 | 147.957 | 35.467 |
| Total (i to viii) | Mill kWh | 158.344 | 189.556 | 147.957 | 35.467 |

1c TOTAL UNITS SENT OUT (1 + 2)

| | | | | | |
|-----------------------|----------|----------------|----------------|----------------|----------------|
| i Bin Qasim | Mill kWh | 379.009 | 331.687 | 245.027 | 116.039 |
| ii Bin Qasim II - CCP | Mill kWh | 190.197 | 333.985 | 299.872 | 306.414 |
| iii Korangi Thermal | Mill kWh | (0.116) | (0.122) | (0.111) | (0.144) |
| iv Korangi Gas 2 | Mill kWh | 45.813 | 32.870 | 8.016 | 2.617 |
| v Site Gas 2 | Mill kWh | 32.589 | 4.557 | 1.717 | 0.454 |
| vi Korangi combined | Mill kWh | 76.126 | 65.045 | 37.593 | 21.852 |
| Total (i to viii) | Mill kWh | 723.618 | 768.022 | 592.115 | 447.232 |

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 | 560.00 | 505.84 | 487.00 | 487.00 |
| b. Fuel Price -F.O (Rs/Kg) | Rs/Kg | 68,694 | 69,198 | 63,995 | 62,991 |

4 COST OF FUEL

4a COST OF GAS

| | | | | | |
|-----------------------|---------|------------------|------------------|------------------|------------------|
| i Bin Qasim | Mill Rs | 1,316.046 | 765.687 | 503.460 | 417.890 |
| ii Bin Qasim II - CCP | Mill Rs | 1,295.496 | 2,054.871 | 1,776.271 | 1,815.022 |
| iv Korangi Gas 2 | Mill Rs | 243.727 | 157.954 | 37.087 | 12.109 |
| v Site Gas 2 | Mill Rs | 173.372 | 21.899 | 7.946 | 2.099 |
| vi Korangi combined | Mill Rs | 388.366 | 299.741 | 166.784 | 96.947 |
| Total (i to viii) | Mill Rs | 3,417.008 | 3,300.153 | 2,491.547 | 2,344.067 |

4b COST OF FURNACE OIL

| | | | | | |
|-------------------|---------|------------------|------------------|------------------|----------------|
| i Bin Qasim | Mill Rs | 2,871.595 | 3,462.858 | 2,499.666 | 589.800 |
| Total (i to viii) | Mill Rs | 2,871.595 | 3,462.858 | 2,499.666 | 589.800 |

4c TOTAL COST OF FUEL

| | | | | | |
|-----------------------|---------|------------------|------------------|------------------|------------------|
| i Bin Qasim | Mill Rs | 4,187.641 | 4,228.545 | 3,003.125 | 1,007.690 |
| ii Bin Qasim II - CCP | Mill Rs | 1,295.496 | 2,054.871 | 1,776.271 | 1,815.022 |
| iv Korangi Gas 2 | Mill Rs | 243.727 | 157.954 | 37.087 | 12.109 |
| v Site Gas 2 | Mill Rs | 173.372 | 21.899 | 7.946 | 2.099 |
| vi Korangi combined | Mill Rs | 388.366 | 299.741 | 166.784 | 96.947 |
| Total | Mill Rs | 6,288.603 | 6,763.011 | 4,991.213 | 2,933.868 |

| DESCRIPTION | | Sep-12 | Oct-12 (Rev.) | Nov-12 (Rev.) | Dec-12 | |
|-------------|---|----------|------------------|------------------|----------------|------------------|
| 5 | <u>COST OF FUEL PER KWH</u> | | | | | |
| a | Bin Qasim | Rs/kWh | 11.049 | 12.749 | 12.256 | 8.684 |
| b | Bin Qasim II - CCPP | Rs/kWh | 6.811 | 6.153 | 5.923 | 5.923 |
| d | Korangi Gas 2 | Rs/kWh | 5.320 | 4.805 | 4.627 | 4.627 |
| e | Site Gas 2 | Rs/kWh | 5.320 | 4.805 | 4.627 | 4.627 |
| f | Korangi combined | Rs/kWh | 5.102 | 4.608 | 4.437 | 4.437 |
| 6 | <u>INCREASE/DECREASE IN COST OF FUEL PER KWH</u> | | | | | |
| a | Bin Qasim | Rs/kWh | (1.810) | 1.700 | 1.207 | (2.365) |
| b | Bin Qasim II - CCPP | Rs/kWh | | | | |
| d | Korangi Gas 2 | Rs/kWh | 0.495 | (0.515) | (0.693) | (0.694) |
| e | Site Gas 2 | Rs/kWh | 0.495 | (0.515) | (0.693) | (0.694) |
| f | Korangi combined | Rs/kWh | 0.475 | (0.493) | (0.665) | (0.665) |
| 7 | <u>INCREASE / DECREASE IN FUEL COST OVER PREVIOUS MONTH</u> | | | | | |
| a | Bin Qasim | Mill Rs | (685.952) | 563.759 | 295.837 | (274.413) |
| b | Bin Qasim II - CCPP | Mill Rs | - | - | - | - |
| d | Korangi Gas 2 | Mill Rs | 22.693 | (16.912) | (5.559) | (1.815) |
| e | Site Gas 2 | Mill Rs | 16.142 | (2.345) | (1.191) | (0.315) |
| f | Korangi combined | Mill Rs | 36.160 | (32.093) | (25.000) | (14.532) |
| | Total (a to g) | Mill Rs | (610.957) | 512.409 | 264.086 | (291.075) |
| 8 | <u>INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS</u> | | | | | |
| a | Fuel price variation (item 7-h) | Mill Rs | (610.957) | 512.409 | 264.086 | (291.075) |
| b | Units Sent Out - KESC | Mill kWh | 723.618 | 768.022 | 592.115 | 447.232 |
| c | Power Purchase | Mill kWh | 638.066 | 621.178 | 603.987 | 576.653 |
| d | Total Units Sent Out (b + c) | Mill kWh | 1,361.684 | 1,389.200 | 1,196.102 | 1,023.885 |
| e | Increase / Decrease in Tariff (8a / 8d x 100) To be passed on to the consumers - FSA | Ps/kWh | (44.868) | 36.885 | 22.079 | (28.428) |
| 9 | <u>INCREASE / DECREASE IN REVENUE</u> | | | | | |
| a | Units Sold | Mill kWh | 1,102.964 | 1,125.252 | 968.842 | 829.347 |
| b | Increase / Decrease in Tariff | Ps/kWh | (44.868) | 36.885 | 22.079 | (28.428) |
| c | Increase / Decrease in Revenue (9a / 9b x 100) | Mill Rs | (494.876) | 415.051 | 213.910 | (235.771) |
| d | Accumulated increase / decrease in revenue | Mill Rs | (494.876) | 415.051 | 213.910 | (235.771) |
| d | Unrecovered Cost due to 21% T&D loss | | (116.082) | 97.358 | 50.176 | (55.304) |
| 10 | <u>INCREASE / DECREASE IN TARIFF TO BE ADJUSTED ON QUARTERLY BASIS</u> | | | | | |
| a | Fuel price variation - item 8a | Mill Rs | (610.957) | 512.409 | 264.086 | (291.075) |
| b | Units Sent Out - KESC | Mill kWh | 723.618 | 768.022 | 592.115 | 447.232 |
| c | Power Purchase | Mill kWh | 638.066 | 621.178 | 603.987 | 576.653 |
| d | Total Units Sent Out | Mill kWh | 1,361.684 | 1,389.200 | 1,196.102 | 1,023.885 |
| e | Trans & Dist Losses | | 19% | 19% | 19% | 19% |
| f | Units Sold (10d - 10e) | Mill kWh | 1,102.964 | 1,125.252 | 968.842 | 829.347 |

| DESCRIPTION | Sep-12 | Oct-12 (Rev.) | Nov-12 (Rev.) | Dec-12 |
|-------------|--------|---------------|---------------|--------|
|-------------|--------|---------------|---------------|--------|

Work Sheet- Power Purchase Cost Variation

1 POWER PURCHASES

| | | | | | | |
|---|---------------|----------|----------------|----------------|----------------|----------------|
| a | KANUPP | Mill kWh | 55.164 | 36.620 | 44.133 | 55.001 |
| b | PASMIC | Mill kWh | 0.165 | 1.963 | 0.184 | 0.434 |
| c | TAPAL | Mill kWh | 60.162 | 65.006 | 56.129 | 36.413 |
| d | GUL AHMED | Mill kWh | 64.450 | 36.477 | 29.965 | 21.440 |
| e | NTDC/WAPDA | Mill kWh | 447.413 | 467.506 | 461.302 | 451.450 |
| f | ANOUD POWER | Mill kWh | 4.757 | 5.822 | 5.278 | 5.409 |
| h | INT IND (IIL) | Mill kWh | 5.954 | 7.784 | 6.996 | 6.506 |
| m | TOTAL | Mill kWh | 638.066 | 621.178 | 603.987 | 576.653 |

2 COST OF POWER PURCHASE - FUEL COST

| | | | | | | |
|---|---------------|---------|------------------|------------------|------------------|------------------|
| a | KANUPP | Mill Rs | 481.097 | 308.238 | 346.081 | 308.392 |
| b | PASMIC | Mill Rs | 1.438 | 16.522 | 1.441 | 2.435 |
| c | TAPAL | Mill Rs | 920.550 | 1,002.712 | 818.524 | 513.366 |
| d | GUL AHMED | Mill Rs | 1,027.833 | 583.912 | 449.907 | 312.980 |
| e | NTDC/WAPDA | Mill Rs | 2,953.194 | 3,288.806 | 3,335.127 | 4,043.063 |
| f | ANOUD POWER | Mill Rs | 56.510 | 67.655 | 59.257 | 59.322 |
| h | INT IND (IIL) | Mill Rs | 27.513 | 35.863 | 32.326 | 30.069 |
| m | TOTAL | Mill Rs | 5,468.135 | 5,303.708 | 5,042.663 | 5,269.627 |

3 COST OF POWER PURCHASE- Fuel Cost/kWh

| | | | | | | |
|---|---------------|--------|--------------|--------------|--------------|--------------|
| a | KANUPP | Rs/kWh | 8.721 | 8.417 | 7.842 | 5.607 |
| b | PASMIC | Rs/kWh | 8.721 | 8.417 | 7.842 | 5.607 |
| c | TAPAL | Rs/kWh | 15.301 | 15.425 | 14.583 | 14.098 |
| d | GUL AHMED | Rs/kWh | 15.948 | 16.008 | 15.014 | 14.598 |
| e | NTDC/WAPDA | Rs/kWh | 6.601 | 7.035 | 7.230 | 8.956 |
| f | ANOUD POWER | Rs/kWh | 11.878 | 11.620 | 11.227 | 10.968 |
| h | INT IND (IIL) | Rs/kWh | 4.621 | 4.607 | 4.621 | 4.622 |
| m | AVERAGE | Rs/kWh | 8.570 | 8.538 | 8.349 | 9.138 |

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 | 8.570 | 8.538 | 8.349 | 9.138 |
| b | Reference Rate - Previous Month | Rs/kWh | 8.447 | 8.570 | 8.570 | 8.570 |
| c | Increase / Decrease in Average Rate of Power Purchase (4a-4b) | Rs/kWh | 0.123 | (0.032) | (0.221) | 0.568 |
| d | Total Power Purchase (Item 1m) | Mill kWh | 638.066 | 621.178 | 603.987 | 576.653 |
| e | Increase / Decrease in Fuel Cost of Power Purchase (4c*4d) | Mill Rs | 78.526 | (19.701) | (133.420) | 327.793 |

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

| | | | | | | |
|---|---|----------|------------------|------------------|------------------|------------------|
| a | Fuel price variation in cost of power purchase (Item 4a) | | 78.526 | (19.701) | (133.420) | 327.793 |
| b | Units Sent Out - KESC | Mill kWh | 723.618 | 768.022 | 592.115 | 447.232 |
| c | Power Purchase | Mill kWh | 638.066 | 621.178 | 603.987 | 576.653 |
| d | Total Units Sent Out (b + c) | Mill kWh | 1,361.684 | 1,389.200 | 1,196.102 | 1,023.885 |
| e | Increase / Decrease in Tariff (5a / 5d x 100) To be passed on to the consumers - FSA | Ps/kWh | 5.767 | (1.418) | (11.155) | 32.015 |

6 INCREASE / DECREASE IN REVENUE

| | | | | | | |
|---|---|----------|------------------|-----------------|------------------|----------------|
| a | Units Sold | Mill kWh | 1,102.964 | 1,125.252 | 968.842 | 829.347 |
| b | Increase / Decrease in Tariff (Item 5e) | Ps/kWh | 5.767 | (1.418) | (11.155) | 32.015 |
| c | Increase / Decrease in Revenue (6a / 6b x100) | Mill Rs | 63.606 | (15.958) | (108.070) | 265.512 |
| d | Accumulated increase / decrease in revenue | Mill Rs | (109.134) | (15.958) | (124.028) | 141.484 |

7 O&M PAYMENT

| | | | | | | |
|---|---------------|---------|----------------|----------------|------------------|----------------|
| a | KANUPP | Mill Rs | 30.892 | 20.507 | 24.715 | 30.800 |
| b | PASMIC | Mill Rs | 0.252 | 3.002 | 0.281 | 0.664 |
| c | TAPAL | Mill Rs | 52.900 | 57.160 | 49.354 | 32.018 |
| d | GUL AHMED | Mill Rs | 33.082 | 18.724 | 15.381 | 11.005 |
| e | NTDC/WAPDA | Mill Rs | 717.779 | 817.503 | 923.531 | 775.370 |
| f | ANOUD POWER | Mill Rs | 8.075 | 9.882 | 8.958 | 9.180 |
| h | INT IND (IIL) | Mill Rs | 8.913 | 12.155 | 10.825 | 9.746 |
| m | TOTAL | Mill Rs | 851.894 | 938.932 | 1,033.045 | 868.784 |

| DESCRIPTION | | Sep-12 | Oct-12 (Rev.) | Nov-12 (Rev.) | Dec-12 | |
|-------------|--|----------|---------------|---------------|-----------|-----------|
| 8 | <u>O&M PAYMENT (Rs/kWh)</u> | | | | | |
| a | KANUPP | Rs/kWh | 0.560 | 0.560 | 0.560 | 0.560 |
| b | PASMIC | Rs/kWh | 1.529 | 1.529 | 1.529 | 1.529 |
| c | TAPAL | Rs/kWh | 0.879 | 0.879 | 0.879 | 0.879 |
| d | GUL AHMED | Rs/kWh | 0.513 | 0.513 | 0.513 | 0.513 |
| e | NTDC/WAPDA | Rs/kWh | 1.604 | 1.749 | 2.002 | 1.718 |
| f | ANOUD POWER | Rs/kWh | 1.697 | 1.697 | 1.697 | 1.697 |
| h | INT IND (IIL) | Rs/kWh | 1.497 | 1.562 | 1.547 | 1.498 |
| m | TOTAL | Rs/kWh | 1.335 | 1.512 | 1.710 | 1.507 |
| n | Variation over Base Rate | Rs/kWh | (0.086) | 0.176 | 0.375 | 0.171 |
| o | Variation over Base Rate (8a*1m) | Mill Rs | (54.800) | 109.585 | 226.651 | 98.883 |
| 9 | <u>CAPACITY PAYMENT</u> | | | | | |
| c | TAPAL | Mill Rs | 121.287 | 122.539 | 122.539 | 122.539 |
| d | GUL AHMED | Mill Rs | 87.205 | 111.250 | 111.250 | 111.250 |
| m | TOTAL | Mill Rs | 208.492 | 233.789 | 233.789 | 233.789 |
| 10 | <u>CAPACITY PAYMENT (Rs/ Kwh)</u> | | | | | |
| c | TAPAL | Mill Rs | 2.016 | 1.885 | 2.183 | 3.365 |
| d | GUL AHMED | Mill Rs | 1.353 | 3.050 | 3.713 | 5.189 |
| m | TOTAL | Mill Rs | 0.327 | 0.376 | 0.387 | 0.405 |
| n | Variation over Base Rate | Rs/kWh | (0.013) | 0.050 | 0.060 | 0.079 |
| o | Variation over Base Rate (10n*1m) | Mill Rs | (8.138) | 30.815 | 36.432 | 45.364 |
| 11 | <u>TOTAL O&M & CAPACITY PAYMENT</u> | | | | | |
| a | KANUPP | Mill Rs | 30.892 | 20.507 | 24.715 | 30.800 |
| b | PASMIC | Mill Rs | 0.252 | 3.002 | 0.281 | 0.664 |
| c | TAPAL | Mill Rs | 174.187 | 179.698 | 171.893 | 154.557 |
| d | GUL AHMED | Mill Rs | 120.287 | 129.974 | 126.631 | 122.255 |
| e | NTDC/WAPDA | Mill Rs | 717.779 | 817.503 | 923.531 | 775.370 |
| f | ANOUD POWER | Mill Rs | 8.075 | 9.882 | 8.958 | 9.180 |
| h | INT IND (IIL) | Mill Rs | 8.913 | 12.155 | 10.825 | 9.746 |
| m | TOTAL | Mill Rs | 1,060.385 | 1,172.720 | 1,266.834 | 1,102.572 |
| 12 | <u>TOTAL COST WITH O&M AND CAPACITY PAYMENT</u> | | | | | |
| a | KANUPP | Mill Rs | 511.989 | 328.745 | 370.796 | 339.193 |
| b | PASMIC | Mill Rs | 1.690 | 19.524 | 1.722 | 3.099 |
| c | TAPAL | Mill Rs | 1,094.737 | 1,182.411 | 990.417 | 667.922 |
| d | GUL AHMED | Mill Rs | 1,148.120 | 713.886 | 576.538 | 435.236 |
| e | NTDC/WAPDA | Mill Rs | 3,670.973 | 4,106.309 | 4,258.658 | 4,818.433 |
| f | ANOUD POWER | Mill Rs | 64.585 | 77.537 | 68.215 | 68.502 |
| h | INT IND (IIL) | Mill Rs | 36.426 | 48.017 | 43.152 | 39.816 |
| m | TOTAL | Mill Rs | 6,528.520 | 6,476.428 | 6,309.497 | 6,372.200 |
| 13 | <u>COST OF POWER PURCHASE- TOTAL Cost/kWh</u> | | | | | |
| a | KANUPP | Rs/kWh | 9.281 | 8.977 | 8.402 | 6.167 |
| b | PASMIC | Rs/kWh | 10.250 | 9.947 | 9.371 | 7.136 |
| c | TAPAL | Rs/kWh | 18.197 | 18.189 | 17.645 | 18.343 |
| d | GUL AHMED | Rs/kWh | 17.814 | 19.571 | 19.240 | 20.300 |
| e | NTDC/WAPDA | Rs/kWh | 8.205 | 8.783 | 9.232 | 10.673 |
| f | ANOUD POWER | Rs/kWh | 13.576 | 13.318 | 12.925 | 12.665 |
| h | INT IND (IIL) | Rs/kWh | 6.118 | 6.169 | 6.168 | 6.120 |
| m | AVERAGE | Rs/kWh | 10.232 | 10.426 | 10.446 | 11.050 |
| 14 | <u>INCREASE / DECREASE IN POWER PURCHASE COST - TOTAL</u> | | | | | |
| a | Average Monthly cost of Power Purchase - Fuel Cost (Item 13r) | Rs/kWh | 10.232 | 10.426 | 10.446 | 11.050 |
| b | Reference Rate - Previous Month | Rs/kWh | 10.207 | 10.232 | 10.232 | 10.232 |
| c | Increase / Decrease in Average Rate of Power Purchase (a-b) | Rs/kWh | 0.024 | 0.194 | 0.215 | 0.819 |
| d | Total Power Purchase (Item 1m) | Mill kWh | 638.066 | 621.178 | 603.987 | 576.653 |
| e | Increase / Decrease in Total Cost of Power Purchase (c*d) | Mill Rs | 15.588 | 120.699 | 129.664 | 472.040 |