



Ref. No.RA&SP/NEPRA/071/ 1335

Dated: 26 May 2015

The Registrar

N.E.P.R.A

NEPRA Office Tower,
Ataturk Avenue, G-5/1,
Islamabad.

For information &
SAT-I

SA (Tch)
Consult (G)
m/f

29.05.15
cc: chairman
vc/m (CA)
m (T)
m (m&E) - m (L)

Subject: **ADJUSTMENT IN K-ELECTRIC SCHEDULE OF TARIFF ON ACCOUNT OF FUEL PRICE AND POWER PURCHASE COST VARIATION FOR QUARTER ENDED MARCH 2015.**

This is with reference to the Authority's tariff determination of 23rd December 2009 of KE on account of fuel price and power purchase cost variation. The submission is based on NTDC's power purchase invoice for the month of Mar-15, received on 26-May-15. The required adjustment in KE's tariff for the quarter ended March 2015 is as under:

1. ADJUSTMENT IN KE SCHEDULE OF TARIFF

1.1. Adjustment in Tariff on Account of Fuel & Power Purchase Cost Variation

As per the applicable and approved tariff adjustment mechanism, the cost for the quarter Jan-Mar 2015 has decreased by Ps. 59.163/kWh which needs to be adjusted in KE's tariff.

The table below gives the breakup of the required adjustment on units sold basis (taking into account the effect of NEPRA allowed T&D loss @ 15%);

DESCRIPTION	March 2015 (Over Dec-14)	
	Mill. Rs.	Ps/kWh
Fuel Price Variation	(286.175)	(27.645)
Power Purchase Price Variation	(326.281)	(31.519)
Total Variation in Tariff	(612.456)	(59.163)

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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 KE through monthly bills of consumers.

Based on the approved mechanism and the details mentioned above, the unrecovered cost for the period Jan-Mar 2015 is as under:

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Unrecovered Cost for the period January to March 2015	Amount Mill Rs.
Variation in O&M cost of IPPs and other sources	145.141
Variation in Capacity charges of IPPs and other sources	(4.402)
Unrecovered cost due to non-adjustment of T&D losses in FCA	(203.888)
Adj. of NTDC O&M Cost upto Dec-2014 (statement attached)	2,132.318
WPPF / WWF payment to IPPs (TAPAL) *	93.059
Total required Adjustment in Quarterly Tariff	2,162.227
Estimated Units to be sold loss in the next quarter (GWH)	3,331.054
Required Adjustment in KE's Tariff (Ps/kWh)	64.911

* In addition to that WPPF & WWF to IPPs were claimed by KE in its various tariff petitions, which has now accumulated to Rs. 690 million. These payments were made as per the NEPRA approved PPAs and required to be adjusted in the tariff. If the Authority permits a separate petition can be filed for adjustment of all such charges / payments in the tariff.

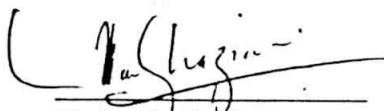
2. REQUEST FOR ADJUSTMENT IN TARIFF

In view of the above, the overall increase in the KEs tariff for the quarter ending March 2015, works out to be as follows:

Total Required Adjustment in KE's Tariff	Ps/kWh
Required Adjustment in KE's tariff	(59.163)
Unrecovered Cost for the current quarter	64.911
Sub Total	5.748
Reversal of Unrecovered cost of previous quarter	(5.572)
Total Required Adjustment in KE Tariff	0.175

It is requested that the required adjustment in tariff may be allowed for the quarter March 2015. Further, we reiterate our earlier submission Ref.: GM(RA)/NEPRA/2014/274 dated: 03-Oct-14, regarding approval of pending Heat Rate results.

Sincerely



M. Aamir Ghaziani
Director – Finance & Regulations

Encl.

K ELECTRIC (Formerly KESCL)

ADJUSTMENT IN TARIFF DUE TO VARIATION IN FUEL AND		Jan-15	Feb-15	Mar-15	QTR
POWER PURCHASE COST INCLUDING O&M AND CAPACITY CHARGES					
UNITS SOLD	Mill kWh				1,035.194
FUEL PRICE VARIATION	Mill Rs				(286.175)
Cost of Power Purchase					
- Fuel Component	Mill Rs				4,442.753
- O&M Cost	Mill Rs				1,068.739
- Capacity Payment	Mill Rs				262.564
- Total Cost of Power Purchased	Mill Rs				5,774.056
Power Purchased	Mill kWh				650.687
Average Rate of Power Purchase		Dec-14	Mar-15		
- Fuel Component	Rs/kWh	7.123	6.828		(0.295)
- O&M Cost	Rs/kWh	1.824	1.642		(0.181)
- Capacity Payment	Rs/kWh	0.429	0.404		(0.026)
- Total Cost of Power Purchased	Rs/kWh	9.375	8.874		(0.501)
POWER PURCHASED COST VARIATION					
- Fuel Component	Mill Rs				(191.840)
- O&M Cost	Mill Rs				(117.838)
- Capacity Payment	Mill Rs				(16.602)
- Total Cost of Power Purchased	Mill Rs				(326.281)
Total Cost Variation (Fuel + Purchase)	Mill Rs				(612.456)
QUARTERLY INCREASE/DECREASE IN RATE					
- Fuel Price Variation	Ps/kWh				(27.645)
- Power Purchase Cost variation	Ps/kWh				(31.519)
- Total Cost Variation	Ps/kWh				(59.163)
Required adjustment In Tariff					
a Quarterly Revision of SOT for the Quarter 'A'	Ps/kWh				(59.163)
b Unrecovered Cost for current quarter	Ps/kWh				64.911
Sub - Total	Ps/kWh				5.748
c Reversal of tariff adjustment of prev. quarter	Ps/kWh				(5.572)
Total Required adjustment In KEL's Tariff	Ps/kWh				0.175

ADJUSTMENT IN TARIFF DUE TO UNRECOVERED COST		Jan-15	Feb-15	Mar-15	QTR
a. Variation In O&M Cost Power Purchase		126.688	136.290	(117.838)	145.141
b. Variation In Capacity Cost Power Purchase		2.067	10.133	(16.602)	(4.402)
c. I Variation In Fuel & Power Purchase Cost					
Fuel Price Variation	Mill Rs	(248.570)	(620.614)	(286.175)	(1,155.359)
Power Purchase(fuel) variation	Mill Rs	1,062.783	(1,074.839)	(191.840)	(203.896)
	Mill Rs	814.213	(1,695.452)	(478.015)	(1,359.254)
Units Sent Out	Mill kWh	1,010.895	990.518	1,217.875	3,219.288
Increase/decrease in FSA Rate	Ps/kWh	80.544	(171.168)	(39.250)	(42.222)
T&D Losses		15.0%	15.0%	15.0%	
Units Sold as per NEPRA	Mill kWh	859.261	841.940	1,035.194	2,736.395
II Recovery of Cost under Monthly FSA					
Fuel Price Variation	Mill Rs	(211.284)	(527.522)	(243.249)	(982.055)
Power Purchase(fuel) variation	Mill Rs	903.366	(913.613)	(163.064)	(173.311)
	Mill Rs	692.081	(1,441.135)	(406.313)	(1,155.366)
III Unrecovered Cost due to non adjustment of T&D losses					
Fuel Price Variation	Mill Rs	(37.285)	(93.092)	(42.926)	(173.304)
Power Purchase(fuel) variation	Mill Rs	159.417	(161.226)	(28.776)	(30.584)
Total	Mill Rs	122.132	(254.318)	(71.702)	(203.888)

SUMMARY OF UNRECOVERED COST

- Variation In O&M Cost Power Purchase
- Variation In Capacity Cost Power Purchase
- Unrecovered Cost due to non adjustment of T&D losses
- Other Adjustments
 - NTDC Adjustment (O&M cost unrecovered upto Dec-14)
 - Payment of WPPF/WWF to IPP - TAPAL

Total Adjustment in Quarterly Tariff

Estimated Units to be sold in next quarter

Unrecovered Cost for current quarter

145.141
(4.402)
(203.888)
2,132.318
93.059
2,162.227
3,331.054
64.911

K Electric Limited (Formerly KESC Ltd.)

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

DESCRIPTION		Dec-14	Jan-15	Feb-15	Mar-15
1 REQUIRED ADJUSTMENT IN TARIFF (FSA) ON UNITS SOLD BASIS					
I a. Monthly Variation In					
I Fuel Price	Mill Rs.	(344.923)	(248.570)	(620.614)	(286.175)
II Power Purchase Price	Mill Rs.	(710.730)	1,191.539	(928.415)	(326.281)
III Total Monthly Variation (I + II) - Over Reference Tariff	Mill Rs.	(1,055.653)	942.97	(1,549.03)	(612.46)
b. Units Sold at NEPRA Allowed T&D losses	Mill kWh	902.42	859.26	841.94	1,035.19
II a. Monthly Variation In					
I Fuel Price (1a/1b)	Ps/kWh	(38.222)	(28.928)	(73.712)	(27.645)
II Power Purchase Price (1aII/1b)	Ps/kWh	(78.758)	138.670	(110.271)	(31.519)
b Monthly Increase/decrease to be passed to Consumers (I+II)	Ps/kWh	(116.980)	109.742	(183.983)	(59.163)
2 MONTHLY ALLOWABLE ADJUSTMENT ON UNITS SENT OUT BASIS					
I a. Monthly Variation In					
I Fuel Price	Mill Rs.	(344.923)	(248.570)	(620.614)	(286.175)
II Power Purchase Price - Fuel component	Mill Rs.	(885.603)	1,062.783	(1,074.839)	(191.840)
III Total Monthly Variation (I + II) - Over Reference Tariff	Mill Rs.	(1,230.526)	814.213	(1,695.452)	(478.015)
b. Units Sent Out	Mill kWh	1,061.676	1,010.895	990.518	1,217.875
II a Monthly Variation In FSA - due to					
I Fuel Price	Ps/kWh	(32.489)	(24.589)	(62.656)	(23.498)
II Power Purchase Price - Fuel component	Ps/kWh	(83.416)	105.133	(108.513)	(15.752)
b Monthly Increase/decrease to be passed to Consumers (I+II)	Ps/kWh	(115.904)	80.544	(171.168)	(39.250)

Work Sheet- Generation Fuel Cost Variation

DESCRIPTION		Dec-14	Jan-15	Feb-15	Mar-15
1 UNITS SENT OUT - KE					
1a UNITS SENT OUT ON GAS					
i Bin Qasim	Mill kWh	45.878	49.180	123.085	87.549
ii Bin Qasim II - CCPP	Mill kWh	319.132	309.638	142.587	284.495
iii Korangi Gas 2	Mill kWh	10.498	9.991	22.146	14.499
iv Site Gas 2	Mill kWh	0.521	1.481	2.960	0.331
v Korangi combined	Mill kWh	19.625	12.464	54.824	36.130
Total (i to viii)	Mill kWh	395.654	382.755	345.603	422.932
1b UNITS SENT OUT ON F. OIL					
i Bin Qasim	Mill kWh	92.252	50.707	66.102	144.256
Total (i to viii)	Mill kWh	92.252	50.707	66.102	144.256
1c TOTAL UNITS SENT OUT (1 + 2)					
i Bin Qasim	Mill kWh	138.130	99.887	189.187	231.805
ii Bin Qasim II - CCPP	Mill kWh	319.132	309.638	142.587	284.495
iii Korangi Gas 2	Mill kWh	10.498	9.991	22.146	14.499
iv Site Gas 2	Mill kWh	0.521	1.481	2.960	0.331
v Korangi combined	Mill kWh	19.625	12.464	54.824	36.130
Total (i to viii)	Mill kWh	487.906	433.462	411.705	567.188
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
i Bin Qasim II - CCPP	Btu/kWh	8,605	8,605	8,605	8,605
iii Korangi Gas 2	Btu/kWh	9,500	9,500	9,500	9,500
iii Site Gas 2	Btu/kWh	9,500	9,500	9,500	9,500
iv Korangi combined	Btu/kWh	9,110	9,110	9,110	9,110
v					
2b					
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	488.23	488.23	488.23	488.23
b. Fuel Price -F.O (Rs/Kg)	Rs/Kg	47,146	37,242	36,603	41,641
4 COST OF FUEL					
4a COST OF GAS					
i Bin Qasim	Mill Rs	238.550	255.721	639.998	455.224
ii Bin Qasim II - CCPP	Mill Rs	1,340.743	1,300.857	599.039	1,195.226
iv Korangi Gas 2	Mill Rs	48.693	46.341	102.719	67.249
v Site Gas 2	Mill Rs	2.416	6.870	13.731	1.537
vi Korangi combined	Mill Rs	87.286	55.438	243.846	160.698
Total (i to vii)	Mill Rs	1,717.689	1,665.228	1,599.333	1,879.934
4b COST OF FURNACE OIL					
i Bin Qasim	Mill Rs	1,148.224	498.539	638.753	1,585.832
Total (i to vii)	Mill Rs	1,148.224	498.539	638.753	1,585.832

Work Sheet- Generation Fuel Cost Variation

DESCRIPTION		Dec-14	Jan-15	Feb-15	Mar-15
4c TOTAL COST OF FUEL					
i Bin Qasim	Mill Rs	1,386.775	754.260	1,278.751	2,041.056
ii Bin Qasim II - CCPP	Mill Rs	1,340.743	1,300.857	599.039	1,195.226
iii Korangi Gas 2	Mill Rs	48.693	46.341	102.719	67.249
iv Site Gas 2	Mill Rs	2.416	6.870	13.731	1.537
v Korangi combined	Mill Rs	87.286	55.438	243.846	160.698
Total	Mill Rs	2,865.914	2,163.766	2,238.086	3,465.765
5 COST OF FUEL PER KWH					
a Bin Qasim	Rs/kWh	10.040	7.551	6.759	8.805
b Bin Qasim II - CCPP	Rs/kWh	4.201	4.201	4.201	4.201
d Korangi Gas 2	Rs/kWh	4.638	4.638	4.638	4.638
e Site Gas 2	Rs/kWh	4.638	4.638	4.638	4.638
f Korangi combined	Rs/kWh	4.448	4.448	4.448	4.448
6 INCREASE/DECREASE IN COST OF FUEL PER KWH					
a Bin Qasim	Rs/kWh	(2.497)	(2.489)	(3.280)	(1.235)
b Bin Qasim II - CCPP	Rs/kWh	-	-	-	-
d Korangi Gas 2	Rs/kWh	-	-	-	-
e Site Gas 2	Rs/kWh	-	-	-	-
f Korangi combined	Rs/kWh	-	-	-	-
7 INCREASE / DECREASE IN FUEL COST OVER PREVIOUS MONTH					
a Bin Qasim	Mill Rs	(344.923)	(248.570)	(620.614)	(286.175)
b Bin Qasim II - CCPP	Mill Rs	-	-	-	-
d Korangi Gas 2	Mill Rs	-	-	-	-
e Site Gas 2	Mill Rs	-	-	-	-
f Korangi combined	Mill Rs	-	-	-	-
Total (a to g)	Mill Rs	(344.923)	(248.570)	(620.614)	(286.175)
8 INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS					
a Fuel price variation (Item 7-h)	Mill Rs	(344.923)	(248.570)	(620.614)	(286.175)
b Units Sent Out - KE	Mill kWh	487.906	433.462	411.705	567.188
c Power Purchase	Mill kWh	573.769	577.433	578.813	650.687
d Total Units Sent Out (b + c)	Mill kWh	1,061.676	1,010.895	990.518	1,217.875
e Increase / Decrease In Tariff (8a / 8d x 100)					
To be passed on to the consumers - FSA	Ps/kWh	(32.489)	(24.589)	(62.656)	(23.498)
9 INCREASE / DECREASE IN REVENUE					
a Units Sold	Mill kWh	902.424	859.261	841.940	1,035.194
b Increase / Decrease In Tariff	Ps/kWh	(32.489)	(24.589)	(62.656)	(23.498)
c Increase / Decrease In Revenue (9a / 9b x 100)	Mill Rs	(293.185)	(211.284)	(527.522)	(243.249)
d Accumulated Increase / decrease in revenue	Mill Rs	(1,518.453)	(211.284)	(738.806)	(982.055)
d Unrecovered Cost due to T&D loss		(51.739)	(37.285)	(93.092)	(42.926)
10 INCREASE / DECREASE IN TARIFF TO BE ADJUSTED ON QUARTERLY BASIS					
a Fuel price variation - Item 8a	Mill Rs	(344.923)	(248.570)	(620.614)	(286.175)
b Units Sent Out - KE	Mill kWh	487.906	433.462	411.705	567.188
c Power Purchase	Mill kWh	573.769	577.433	578.813	650.687
d Total Units Sent Out	Mill kWh	1,061.676	1,010.895	990.518	1,217.875
e Trans & Dist Losses	15%	15%	15%	15%	15%
f Units Sold (10d - 10e)	Mill kWh	902.424	859.261	841.940	1,035.194
g Increase / Decrease In Tariff (10a / 10f x 100)					
To be passed on to the consumers - SoT	Ps/kWh	(38.222)	(28.928)	(73.712)	(27.645)

Work Sheet- Power Purchase Cost Variation

DESCRIPTION		Dec-14	Jan-15	Feb-15	Mar-15
1	<u>POWER PURCHASES</u>				
a	KANUPP Mill kwh	24.598	26.933	32.096	44.699
b	PASMIC Mill kwh	0.638	0.106	1.188	1.131
c	TAPAL Mill kwh	50.148	48.468	55.685	66.039
d	GUL AHMED Mill kwh	40.363	36.860	58.952	58.552
e	NTDC/WAPDA Mill kwh	442.648	450.003	417.728	466.274
f	ANOUD POWER Mill kwh	9.192	9.014	7.555	7.905
g	INT IND (IIL) Mill kwh	6.182	6.049	5.609	6.087
	TOTAL Mill kwh	573.769	577.433	578.813	650.687
2	<u>COST OF POWER PURCHASE - FUEL COST</u>				
a	KANUPP Mill Rs	151.381	140.920	186.696	287.990
b	PASMIC Mill Rs	3.927	0.552	6.909	7.290
c	TAPAL Mill Rs	569.579	443.962	404.438	546.186
d	GUL AHMED Mill Rs	463.705	320.439	459.210	556.102
e	NTDC/WAPDA Mill Rs	2,784.344	4,174.363	1,909.518	2,952.851
f	ANOUD POWER Mill Rs	79.294	61.531	49.799	58.364
g	INT IND (IIL) Mill Rs	34.505	33.849	31.249	33.971
	TOTAL Mill Rs	4,086.736	5,175.616	3,047.820	4,442.753
3	<u>COST OF POWER PURCHASE- Fuel Cost/kv</u>				
a	KANUPP Rs/kWh	6.154	5.232	5.817	6.443
b	PASMIC Rs/kWh	6.154	5.232	5.817	6.443
c	TAPAL Rs/kWh	11.358	9.160	7.263	8.271
d	GUL AHMED Rs/kWh	11.488	8.693	7.790	9.498
e	NTDC/WAPDA Rs/kWh	6.290	9.276	4.571	6.333
f	ANOUD POWER Rs/kWh	8.626	6.826	6.591	7.383
g	INT IND (IIL) Rs/kWh	5.582	5.595	5.571	5.581
	AVERAGE Rs/kWh+E.	7.123	8.963	5.266	6.828
4	<u>INCREASE / DECREASE IN FUEL COMPONENT OF POWER PURCHASE - TO BE PASSED IN THE MONTHLY BILLS</u>				
a	Average Monthly Fuel cost of Rs/kWh	7.123	8.963	5.266	6.828
b	Reference Rate - Previous Month Rs/kWh	8.666	7.123	7.123	7.123
c	Increase / Decrease in Average Rs/kWh	(1.543)	1.841	(1.857)	(0.295)
d	Total Power Purchase (Item Mill kwh)	573.769	577.433	578.813	650.687
e	Increase / Decrease in Fuel Cost Mill Rs	(885.603)	1,062.783	(1,074.839)	(191.840)
5	<u>INCREASE / DECREASE IN TARIFF TO BE PASSED IN THE MONTHLY BILLS</u>				
a	Fuel price variation in cost of power purch	(885.603)	1,062.783	(1,074.839)	(191.840)
b	Units Sent Out - KE Mill kwh	487.906	433.462	411.705	567.188
c	Power Purchase Mill kwh	573.769	577.433	578.813	650.687
d	Total Units Sent Out (b + c) Mill kwh	1,061.676	1,010.895	990.518	1,217.875
e	Increase / Decrease In Tariff (5a / 5d x 100) To be passed on to the consum Ps/kWh	(83.416)	105.133	(108.513)	(15.752)
6	<u>INCREASE / DECREASE IN REVENUE</u>				
a	Units Sold Mill kwh	902.424	859.261	841.940	1,035.194
b	Increase / Decrease In Tariff (it Ps/kWh	(83.416)	105.133	(108.513)	(15.752)
c	Increase / Decrease In Revenue Mill Rs	(752.762)	903.366	(913.613)	(163.064)
d	Accumulated increase / decrease Mill Rs	(2,199.581)	903.366	(10.247)	(173.311)

Work Sheet- Power Purchase Cost Variation

DESCRIPTION			Dec-14	Jan-15	Feb-15	Mar-15
7 O&M PAYMENT						
a	KANUPP	Mill Rs	23.738	25.991	30.973	43.136
b	PASMIC	Mill Rs	1.384	0.229	2.576	2.454
c	TAPAL	Mill Rs	50.033	49.190	56.515	67.022
d	GUL AHMED	Mill Rs	23.507	21.839	34.929	34.692
e	NTDC/WAPDA	Mill Rs	926.096	1,061.255	1,046.231	900.098
f	ANOUD POWER	Mill Rs	11.861	11.824	11.515	11.589
g	INT IND (IIL)	Mill Rs	9.692	9.353	9.060	9.748
	TOTAL	Mill Rs	1,046.311	1,179.681	1,191.798	1,068.739
8 O&M PAYMENT (Rs/kWh)						
a	KANUPP	Rs/kWh	0.965	0.965	0.965	0.965
b	PASMIC	Rs/kWh	2.169	2.169	2.169	2.169
c	TAPAL	Rs/kWh	0.998	1.015	1.015	1.015
d	GUL AHMED	Rs/kWh	0.582	0.593	0.593	0.593
e	NTDC/WAPDA	Rs/kWh	2.092	2.358	2.505	1.930
f	ANOUD POWER	Rs/kWh	1.290	1.312	1.524	1.466
g	INT IND (IIL)	Rs/kWh	1.568	1.546	1.615	1.601
	TOTAL	Rs/kWh	1.824	2.043	2.059	1.642
	Variation over Base Rate	Rs/kWh	0.268	0.219	0.235	(0.181)
	Variation over Base Rate (8a*1)	Mill Rs	153.954	126.688	136.290	(117.838)
9 CAPACITY PAYMENT						
a	TAPAL	Mill Rs	134.834	136.753	136.753	136.753
b	GUL AHMED	Mill Rs	111.333	113.053	121.710	125.811
	TOTAL	Mill Rs	246.166	249.806	258.463	262.564
10 CAPACITY PAYMENT (Rs/ Kwh)						
a	TAPAL	Rs/kWh	2.689	2.822	2.456	2.071
b	GUL AHMED	Rs/kWh	2.758	3.067	2.065	2.149
	TOTAL	Rs/kWh	0.429	0.433	0.447	0.404
	Variation over Base Rate	Rs/kWh	0.036	0.004	0.018	(0.026)
	Variation over Base Rate (10n*):	Mill Rs	20.919	2.067	10.133	(16.602)
11 TOTAL O&M & CAPACITY PAYMENT						
a	KANUPP	Mill Rs	23.738	25.991	30.973	43.136
b	PASMIC	Mill Rs	1.384	0.229	2.576	2.454
c	TAPAL	Mill Rs	184.866	185.943	193.268	203.775
d	GUL AHMED	Mill Rs	134.840	134.892	156.639	160.503
e	NTDC/WAPDA	Mill Rs	926.096	1,061.255	1,046.231	900.098
f	ANOUD POWER	Mill Rs	11.861	11.824	11.515	11.589
g	INT IND (IIL)	Mill Rs	9.692	9.353	9.060	9.748
	TOTAL	Mill Rs	1,292.478	1,429.487	1,450.262	1,331.304
12 TOTAL COST WITH O&M AND CAPACITY P						
a	KANUPP	Mill Rs	175.119	166.911	217.670	331.126
b	PASMIC	Mill Rs	5.311	0.781	9.484	9.743
c	TAPAL	Mill Rs	754.445	629.905	597.706	749.962
d	GUL AHMED	Mill Rs	598.545	455.331	615.849	716.605
e	NTDC/WAPDA	Mill Rs	3,710.441	5,235.618	2,955.749	3,852.950
f	ANOUD POWER	Mill Rs	91.155	73.355	61.314	69.953
g	INT IND (IIL)	Mill Rs	44.197	43.202	40.310	43.719
	TOTAL	Mill Rs	5,379.214	6,605.102	4,498.081	5,774.056

Work Sheet- Power Purchase Cost Variation

DESCRIPTION		Dec-14	Jan-15	Feb-15	Mar-15
13 COST OF POWER PURCHASE- TOTAL Cost/kWh				#DIV/0!	
a	KANUPP Rs/kWh	7.119	6.197	6.782	7.408
b	PASMIC Rs/kWh	8.323	7.401	7.985	8.611
c	TAPAL Rs/kWh	15.044	12.996	10.734	11.356
d	GUL AHMED Rs/kWh	14.829	12.353	10.447	12.239
e	NTDC/WAPDA Rs/kWh	8.382	11.635	7.076	8.263
f	ANOUD POWER Rs/kWh	9.917	8.138	8.115	8.849
g	INT IND (IIL) Rs/kWh	7.149	7.141	7.187	7.182
	AVERAGE Rs/kWh	9.375	11.439	7.771	8.874
14 INCREASE / DECREASE IN POWER PURCHASE COST - TOTAL					
a	Average Monthly cost of Pow Rs/kWh	9.375	11.439	7.771	8.874
b	Reference Rate - Previous Month Rs/kWh	10.614	9.375	9.375	9.375
c	Increase / Decrease in Average Rs/kWh	(1.239)	2.064	(1.604)	(0.501)
d	Total Power Purchase (Item Mill kWh)	573.769	577.433	578.813	650.687
e	Increase / Decrease in Total Cost Mill Rs	(710.730)	1,191.539	(928.415)	(326.281)
f	Adjustment in cost of KANUPP				
g	Unrecovered cost Previous Quarter				
h	Total (e+f+g)	(710.730)	1,191.539	(928.415)	(326.281)
15 INCREASE / DECREASE IN TARIFF					
TO BE ADJUSTED ON QUARTERLY BASIS					
a	Total price variation in cost of p Mill Rs	(710.730)	1,191.539	(928.415)	(326.281)
b	KE - Units Sent Out Mill kWh	487.906	433.462	411.705	567.188
c	Power Purchase Mill kWh	573.769	577.433	578.813	650.687
d	Total Units Sent Out (b+c) Mill kWh	1,061.676	1,010.895	990.518	1,217.875
e	Trans & Dist Losses	15.0%	15.0%	15.0%	15.0%
f	Units Sold (15d-15e) Mill kWh	902.424	859.261	841.940	1,035.194
g	Increase / Decrease in Tariff				
h	Power Purchase (15a/15f) Ps/kWh	(78.758)	138.670	(110.271)	(31.519)

Description		Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
(As per NTDC Determination)								
NTDC Fuel Charges	Rs./kWh	6.5652	6.7685	6.7640	6.5773	8.2367	7.2431	8.8714
O&M Charges	Rs./kWh	0.1983	0.2188	0.2095	0.2010	0.2269	0.2294	0.2672
Total Energy Charges	Rs./kWh	6.7635	6.9873	6.9736	6.7782	8.4636	7.4725	9.1387
NEPRA Detr. Fuel Charges	Rs./kWh	6.3630	6.7645	6.7598	6.5722	8.2501	7.2977	8.8793
O&M Charges	Rs./kWh	0.1983	0.2188	0.2095	0.2010	0.2269	0.2294	0.2672
Total Charges	Rs./kWh	6.5613	6.9833	6.9693	6.7732	8.4770	7.5271	9.1465
(As per KE Determination)								
NTDC Invoice Energy Charges	Rs./kWh	6.5652	6.9873	6.9736	6.7476	8.4636	7.6442	9.1387
NEPRA FSA Allowed Rate	Rs./kWh	6.3630	6.7645	6.7598	6.5722	8.2501	7.2977	8.8793
Difference in Rate	Rs./kWh	0.2022	0.2228	0.2138	0.1754	0.2135	0.3465	0.2594
O&M Charges	Rs./kWh	0.1983	0.2188	0.2095	0.2010	0.2269	0.2294	0.2672
Fuel Charges	Rs./kWh	0.0039	0.0040	0.0042	(0.0256)	(0.0134)	0.1171	(0.0079)
Energy Billed to KE	gWh	454.988	459.994	452.183	458.289	465.332	438.887	460.345
Fuel Cost Charges	Mill Rs.	1.797	1.839	1.918	(11.718)	(6.253)	51.400	(3.614)
V.O&M Charges	Mill Rs.	90.224	100.647	94.754	92.113	105.638	100.685	123.023
Total	Mill Rs.	92.021	102.485	96.672	80.395	99.385	152.085	119.408

Description		Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14
(As per NTDC Determination)							
NTDC Fuel Charges	Rs./kWh	11.7766	7.5831	8.9029	8.4925	7.5569	7.4414
O&M Charges	Rs./kWh	0.2798	0.2495	0.2786	0.2699	0.2576	0.2451
Total Energy Charges	Rs./kWh	12.0564	7.8326	9.1815	8.7624	7.8145	7.6865
NEPRA Detr. Fuel Charges	Rs./kWh	11.8273	7.5780	8.9067	8.4927	7.5498	7.4333
O&M Charges	Rs./kWh	0.2798	0.2495	0.2786	0.2699	0.2576	0.2451
Total Charges	Rs./kWh	12.1071	7.8275	9.1853	8.7626	7.8074	7.6784
(As per KE Determination)							
NTDC Invoice Energy Charges	Rs./kWh	12.0562	7.8326	9.1815	8.7624	7.8145	7.6865
NEPRA FSA Allowed Rate	Rs./kWh	11.8273	7.5780	8.9067	8.4927	7.5498	7.4333
Difference in Rate	Rs./kWh	0.2289	0.2546	0.2748	0.2697	0.2647	0.2532
O&M Charges	Rs./kWh	0.2798	0.2495	0.2786	0.2699	0.2576	0.2451
Fuel Charges	Rs./kWh	(0.0509)	0.0051	(0.0038)	(0.0002)	0.0071	0.0081
Energy Billed to KE	gWh	464.919	419.946	468.644	447.686	455.623	448.914
Fuel Cost Charges	Mill Rs.	(23.672)	2.124	(1.784)	(0.107)	3.226	3.626
V.O&M Charges	Mill Rs.	130.091	104.783	130.570	120.829	117.367	110.043
Total	Mill Rs.	106.419	106.907	128.787	120.722	120.593	113.669

Description		Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
(As per NTDC Determination)							
NTDC Fuel Charges	Rs./kWh	7.4979	6.7811	6.7755	7.0793	4.4997	6.3241
O&M Charges	Rs./kWh	0.2394	0.2294	0.2497	0.2749	0.3152	0.2653
Total Energy Charges	Rs./kWh	7.7372	7.0106	7.0252	7.3542	4.8149	6.5893
NEPRA Detr. Fuel Charges	Rs./kWh	7.4950	6.7740	6.7665	7.0667	4.4495	6.2902
O&M Charges	Rs./kWh	0.2394	0.2294	0.2497	0.2749	0.3152	0.2653
Total Charges	Rs./kWh	7.7344	7.0034	7.0162	7.3416	4.7647	6.5555
(As per KE Determination)							
NTDC Invoice Energy Charges	Rs./kWh	7.7372	7.0106	7.0252	7.3644	4.8149	6.5893
NEPRA FSA Allowed Rate	Rs./kWh	7.4950	6.7740	6.7665	7.0667	4.4495	6.2902
Difference in Rate	Rs./kWh	0.2422	0.2366	0.2587	0.2977	0.3654	0.2991
O&M Charges	Rs./kWh	0.2394	0.2294	0.2497	0.2749	0.3152	0.2653
Fuel Charges	Rs./kWh	0.0029	0.0071	0.0090	0.0228	0.0502	0.0339
Energy Billed to KE	gWh	459.105	461.184	452.612	452.468	447.484	442.648
Fuel Cost Charges	Mill Rs.	1.320	3.290	4.064	10.318	22.477	14.985
V.O&M Charges	Mill Rs.	109.887	105.812	113.027	124.369	141.037	117.419
Total	Mill Rs.	111.207	109.101	117.091	134.687	163.514	132.405

Summary Jun-13 to Dec-14		Mill Rs.
Fuel Cost Diff		75.23
O&M Charges Diff		2,132.32
Total Difference		2,207.55

Power Purchasing Agency

Ext: 2106
045
203996



Office of the Chief
Operating Officer (CPPA)
107 WAPDA House, Lahore.

No. COO (CPPA)/IT 4613-18

Dated: 25/05/2015

→ The Chief Executive Officer,
Karachi Electric Supply Company (KESC)
KESC House, 39 B Sunset Boulevard
Phase IV, DHA Karachi.

Sent

1515
26/5/15

Subject:- INVOICE ON ACCOUNT OF ENERGY DELIVERED
DURING MONTH OF MARCH-2015

Pursuant to section 9.3 of Power Purchase Agreement, Invoice on account of energy delivered to KESC during billing period March 2015 is sent herewith for arranging the payment please. This is also in confirmation that the Invoice is ready sent through fax.

D.A. As Above

(S. Khalid Ali Shah)

Addl. DGM Finance (CPPA)

CC

1. Secretary, Ministry of Finance Islamabad
2. Dy. Secretary (Power) Ministry of Water and Power Islamabad
3. Director General Taxes (PLPCC), Wapda House, Lahore
4. Finance Director NEDC WAPDA House, Lahore
5. Manager Finance Treasury CPPA Napier Road, Lahore, along with invoices
6. DGCPC



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

Power / Electricity Sales Bill

(Provisional)

NTDC GST No. 03-00-2716-005-73

Name and Address	
Karachi Electric Supply Company	KESC
KESC House, 39-B, Sunset Boulevard,	
Phase-IV, DHA, Karachi.	
GST No.	1200271600728

Billing Month	March-15
Invoice No	ES/KESC-1503
Reading Date	31.03.2015
Issue Date	25.05.2015
Due Date	08.06.2015

Description						
Energy (kWh)						486,274,000
kVarh						
MCH (kw)						890,000

Use Of System Charges		Rate (Rs.)		Amount (Rs.)
Fixed		102.430		70,676,700
Variables		0.2367*1		
Total				70,676,700

Capacity Transfer Charges		1,202.060544		829,421,775
Energy Transfer Charges	I	5.890305		2,746,466,074
Energy Transfer Charges	II	0.442582		206,355,154
Total Transfer Charges				3,782,273,003

Bill for the Month					3,852,949,703
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GST					466,904,333
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Bill Adjustment					
Energy Charges					
GST					
Arrears					

Payable Within Due Date					4,319,854,036
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Addl. DGM Finance (CPPA)