

GOVERNMENT OF PAKISTAN
MINISTRY OF WATER AND POWER

Islamabad, the ~~17~~ 17th January, 2010.

NOTIFICATION

S.R.O. ~~09~~ (I)/2010.- In exercise of the powers conferred by sub-section (4) of section 31 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 (XL of 1997), the Federal Government is pleased to direct that the following amendments shall be made in its Notification No. S.R.O.144 (I)/ 2009, dated the 10th February, 2009, namely:-

In the aforesaid Notification, for Schedule-II, the following shall be substituted, namely:-

**SCHEDULE OF ELECTRICITY TARIFFS
FOR KARACHI ELECTRIC SUPPLY COMPANY LTD. (KESC)**

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES	VARIABLE CHARGES	
		Rs/kW/M	Rs/kWh	
a)	For Sanctioned load up to 5 kW			
i	Up to 50 Units	-		1.66
	For Consumption exceeding 50 Units			
ii	1- 100 Units	-		3.91
iii	101-300	-		5.89
iv	301-700	-		9.52
v	Above 700 Units	-		11.87
b)	For Sanctioned load exceeding 5 kW	-		
	Time Of Use	-	Peak	Off-Peak
			10.93	6.67

Under this tariff, there shall be minimum monthly customer charge at the following rates even if no energy is consumed.

- a) Single Phase Connections:
b) Three Phase Connections:

Rs. 75/- per consumer per month
Rs. 150/- per consumer per month

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES	VARIABLE CHARGES	
		Rs/kW/M	Rs/kWh	
a)	For Sanctioned load up to 5 kW			11.65
b)	For Sanctioned load exceeding 5 kW	315.00		7.27
			Peak	Off-Peak
c)	Time Of Use	315.00	10.27	6.27

Under this tariff, there shall be minimum monthly charges at the following rates even if no energy is consumed.

- a) Single Phase Connections;
b) Three Phase Connections:

Rs. 175/- per consumer per month
Rs. 350/- per consumer per month

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
B1	Up To 5 kW (at 400/230 Volts)	-		8.76
B2(a)	6-500 kW (at 400 Volts)	315.00		6.78
B3(a)	For All Loads up to 5000 kW (at 11,33 kV)	305.00		6.83
B4(a)	For All Loads (at 66,132 kV & above)	295.00		6.36
	Time Of Use			
B2(b)	6-500 kW (at 400 Volts)	315.00	10.27	6.27
B3 (b)	For All Loads up to 5000 kW (at 11,33 kV)	305.00	9.90	5.69
B4(b)	For All Loads (at 66,132 kV & above)	295.00	9.55	5.33
B5	For All Loads (at 220 kV & above)	340.00	8.09	5.30

For B1 consumers there shall be a fixed minimum charge of Rs. 350 per month.

For B2 consumers there shall be a fixed minimum charge of Rs. 2,000 per month.

For B3 consumers there shall be a fixed minimum charge of Rs. 50,000 per month.

For B4 consumers there shall be a fixed minimum charge of Rs. 500,000 per month.

For B5 consumers there shall be a fixed minimum charge of Rs.1,000,000 per month.

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
C -1	For supply at 400/230 Volts			
a)	Sanctioned load up to 5 kW	-		8.86
b)	Sanctioned load above 5 kW & up to 500 kW	315.00		8.17
C -2(a)	For supply at 11,33 kV up to and including 5000 kW	305.00		7.74
C -3(a)	For supply at 66 kV & above and sanctioned load above 5000 kW	295.00		7.60
	Time Of Use (Optional)			
C -1(c)	For supply at 400/230 Volts above 5 kW & up to 500 kW	315.00	10.10	6.17
C -2(b)	For supply at 11,33 kV up to and including 5000 kW	305.00	9.75	5.60
C -3(b)	For supply at 66 kV & above and sanctioned load above 5000 kW	295.00	9.39	5.25

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
D-1	For all loads Time of Use	90.00		4.75
D-2	For all loads	200.00	9.03	4.06

Note:- The consumers having sanctioned load less than 20 kW can opt for TOU metering.

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
E-1(i)	Residential Supply	-		11.32
E-1(ii)	Commercial Supply	-		13.94
E-2 (i)	Industrial Supply	-		11.18
E-2 (ii)	Bulk Supply			
	(a) at 400 Volts			11.10
	(b) at 11kV			10.80

For the categories of E-1(i&ii) and E-2 (I&ii) above, the minimum bill of the consumers shall be Rs. 50/- per day subject to a minimum of Rs.500/- for the entire period of supply, even if no energy is

125% of relevant industrial tariff

Note:

Tariff-F consumers will have the option to convert to Regular Tariff and vice versa. This option can be exercised at the time of a new connection or at the beginning of the season. Once exercised, the option remains in force for at least one year.

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
	Street Lighting	-		11.42

There shall be a minimum monthly charge of Rs.500/- per month per kW of lamp capacity installed.

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh
	Residential Colonies attached to industrial premises	-	10.27

[F No. PIII-3(2)/2009

U. Farooq
 (Umar Farooq)
 Deputy Secretary (Power)

GOVERNMENT OF PAKISTAN
MINISTRY OF WATER AND POWER

Islamabad, the 14th January, 2010.

NOTIFICATION

S.R.O. 10 (I)/2010.- In exercise of the powers conferred by sub-section (4) of section 31 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 (XL of 1997), and in supersession of its Notification No.S.R.O.1010(I)/2009, dated the 26th November, 2009, the Federal Government is pleased to notify the National Electric Power Regulatory Authority's approved determination as per Schedule-I below in respect of electric power services provided by the Karachi Electric Supply Corporation Ltd. (KESC), subject to the terms and conditions as notified *vide* this Ministry's Notification No. S.R.O.819(I)/2001, dated the 29th November, 2001, namely:-

**SCHEDULE OF ELECTRICITY TARIFFS
FOR KARACHI ELECTRIC SUPPLY COMPANY LTD (KESC)**

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
a)	For Sanctioned load up to 5 kW	-		
i)	Up to 50 Units	-		2.00
	For Consumption exceeding 50 Units			
ii)	1- 100 Units	-		7.16
iii)	101-300	-		9.00
iv)	301-700	-		11.00
v)	Above 700 Units	-		13.00
b)	For Sanctioned load exceeding 5 kW	-		
	Time Of Use		14.00	8.00

Under this tariff, there shall be minimum monthly customer charge at the following rates even if no energy is consumed.

a) Single Phase Connections:

Rs. 75/- per consumer per month

b) Three Phase Connections:

Rs. 150/- per consumer per month

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
a)	For Sanctioned load up to 5 kW			13.50
b)	For Sanctioned load exceeding 5 kW	400.00		10.70
c)	Time Of Use	400.00	15.00	9.50

Under this tariff, there shall be minimum monthly charges at the following rates even if no energy is consumed.

a) Single Phase Connections:

Rs. 175/- per consumer per month

b) Three Phase Connections:

Rs. 350/- per consumer per month

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
B1	Up To 5 kW (at 400/230 Volts)	-		10.00
B2(a)	6-500 kW (at 400 Volts)	400.00		8.60
B3(a)	For All Loads up to 5000 kW (at 11,33 kV)	380.00		8.20
B4(a)	For All Loads (at 66,132 kV & above)	360.00		7.80
	Time Of Use			
B2(b)	6-500 kW (at 400 Volts)	400.00	14.00	7.75
B3 (b)	For All Loads up to 5000 kW (at 11,33 kV)	380.00	13.50	7.25
B4(b)	For All Loads (at 66,132 kV & above)	360.00	13.00	7.00
B5	For All Loads (at 220 kV & above)	340.00	12.50	6.75

For B1 consumers there shall be a fixed minimum charge of Rs. 350 per month.

For B2 consumers there shall be a fixed minimum charge of Rs. 2,000 per month.

For B3 consumers there shall be a fixed minimum charge of Rs. 50,000 per month.

For B4 consumers there shall be a fixed minimum charge of Rs. 500,000 per month.

For B5 consumers there shall be a fixed minimum charge of Rs.1,000,000 per month.

SINGLE POINT SUPPLY FOR PURCHASE IN BULK BY A DISTRIBUTION COMPANY FOR ROAD CONSUMERS NOT FALLING IN ANY OTHER TARIFF CLASS

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
C -1	For supply at 400/230 Volts			
	a) Sanctioned load up to 5 kW			10.00
	b) Sanctioned load above 5 kW & up to 500 kW	400.00		9.15
C -2(a)	For supply at 11,33 kV up to and including 5000 kW	380.00		9.15
C -3(a)	For supply at 132 kV up to and including 5000 kW	360.00		9.00
	Time Of Use (Optional)			
C -1(c)	For supply at 400/230 Volts above 5 kW & up to 500 kW	400.00	14.00	8.00
C -2(b)	For supply at 11,33 kV up to and including 5000 kW	380.00	13.50	7.20
C -3(b)	For supply at 132 kV up to and including 5000 kW	360.00	13.00	7.00

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
D-1	For all loads Time of Use	200.00		6.50
D-2	For all loads	200.00	12.50	4.50

Note:- The consumers having sanctioned load less than 5 kW can opt for TOU metering.

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
E-1(i)	Residential Supply	-		13.40
E-1(ii)	Commercial Supply	-		16.30
E-2 (i)	Industrial Supply	-		13.00
E-2 (ii)	Bulk Supply			
	(a) at 400 Volts			13.40
	(b) at 11kV			13.00

For the categories of E-1(i&ii) and E-2 (I&ii) above, the minimum bill of the consumers shall be Rs. 50/- per day subject to a minimum of Rs.500/- for the entire period of supply, even if no energy is consumed.

Note:

125% of relevant industrial tariff

Tariff-F consumers will have the option to convert to Regular Tariff and vice versa. This option can be exercised at the time of a new connection or at the beginning of the season. Once exercised, the option remains in force for at least one year.

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
	Street Lighting	-		13.00

There shall be a minimum monthly charge of Rs.500/- per month per kW of lamp capacity installed.

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh
	Residential Colonies attached to industrial premises	-	11.00

[F No. PIII-3(2)/2009

U Farooq
 (Umar Farooq)
 Deputy Secretary (Power)

GOVERNMENT OF PAKISTAN
MINISTRY OF WATER AND POWER

Islamabad, the 14 January, 2010.

NOTIFICATION

S.R.O. // (I)/2010.- In exercise of the powers conferred by sub-section (4) of section 31 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 (XL of 1997), the Federal Government is pleased to direct that the following amendments shall be made in its Notification No. S.R.O.819 (I)/ 2001, dated the 29th November, 2001, namely:-

In the aforesaid Notification,-

- (a) in the preamble, for the words "the Schedule below", the words "this Notification" shall be substituted; and
- (b) for the existing Schedule, the following shall be substituted, namely:-

ORDER OF THE AUTHORITY

- (I) KESCL is allowed an increase of Rs 0.15/kWh in the consumer end tariff as indicated in the revised schedule of tariff annexed to this Determination as Annexure-F;
- (II) The period for the multi-year tariff (MYT) has been extended with effect from July 1, 2009 to be applicable for a period of next seven years i.e. June 30th, 2016;
- (III) The consumer end tariff shall be capped for a period of next seven years subject to the following adjustments whichever are applicable at the time of adjustment and aggregated together:
 - a) Adjustment in tariff on account of fuel price/cost variation according to the mechanism prescribed as Annexure-A;
 - b) Adjustment in tariff on account of power purchase cost variation according to the mechanism prescribed as Annexure-B; and
 - c) Annual CPI-X adjustment in tariff on account of inflation according to mechanism prescribed as Annexure-C.
- (IV) KESCL request for deferral/suspension of claw-back mechanism is not allowed and the same shall continue to remain in the field during the next seven years as prescribed in Annexure-D;
- (V) KESCL's request for exemption from "X" factor on CPI indexation is not allowed and the same shall continue to remain in the field till expiry of next seven years tariff period as prescribed in Annexure-C;
- (VI) KESCL's request for modification in the terms and conditions of supply is accepted and the same are modified in line with the terms and condition of supply for other DISCOs as prescribed in Annexure-E;
- (VII) KESCL is directed to perform heat rate (efficiency) test for all its upcoming power plants at the time of commissioning and submit the same to the Authority for approval. KESCL shall not be allowed any adjustment in tariff on account of fuel price variation till approval of heat rates of such power plants;
- (VIII) KESCL is directed to obtain approval of the Authority for power acquisition alongwith the agreed rate and other terms and conditions for purchase of power from external sources. KESCL shall not be allowed any adjustment in tariff on account of power purchase cost variation in respect of those power sources for which prior approval of the Authority has not been obtained. For this purpose KESCL is directed to submit its request for power acquisition alongwith the rationale, relevant documents, Agreements etc. for consideration and approval of the Authority within thirty (30) days of this determination.

- (IX) KESCL has not been allowed any provision for adjustment in tariff on account of its future investments in the system.
- (X) KESCL is directed to place all documentary record of its additional investment decisions on its official website for the information of consumers.
- (XI) KESCL's request for resetting tariff on the basis of actual T&D losses is not accepted. The T&D loss targets as provided in the Previous Determination of the Authority shall continue to be applicable for the next seven years control period.
- (XII) KESCL's request for modification in the security deposit rates shall be decided later on alongwith those of other DISCOs to be uniformly applicable all across the country.
- (XIII) KESCL is directed to establish separate cost centers for each function of the Utility i.e. generation, transmission and distribution within a period of six months and submit its report to the Authority, and
- (XIV) The Authority shall review the tariff applicable to each class of consumers for rationalization or modification in the tariff structure from time to time as deemed appropriate.

**MECHANISM FOR ADJUSTMENT IN TARIFF
DUE TO VARIATION IN FUEL PRICE**

Annexure-A

The following mechanism shall be applicable on KESCL to make an adjustment in KESCL'S tariff for variation in fuel cost due to fuel price and generation mix with respect to KESCL's own generation.

2. KESCL shall be allowed adjustment of variation in the fuel cost component due to change in the fuel prices of applicable fuels in two stages.
3. The fuel part component of generation will be determined on monthly basis without taking in to account the impact of T&D losses. The monthly adjustment would be directly reflected in the consumer bills as Fuel Surcharge Adjustment (FSA). According to the new mechanism the impact of T&D losses will be taken care of on quarterly basis. The mechanism for adjustment of fuel cost due to fuel price and generation mix on monthly and quarterly basis shall be as follows;

Monthly Adjustment of fuel cost variation

4. KESCL shall, on monthly basis, request for an adjustment of fuel cost component to compensate for variation in fuel cost. The request shall be submitted on a prescribed format as provided in this Mechanism. NEPRA shall determine the increase or decrease

in fuel cost for the current month over the corresponding last month to be passed on to the consumers in the consumer bills as FSA according to the following formula:-

$$\Delta FSA = \{WAC_{(CM)} - WAC_{(LM)}\} / USO_{(CM)}$$

Where;

- ΔFSA = The required Increase/(Decrease) in Rs/kWh for the current month over the corresponding last month to be reflected in the monthly bills of consumers as Fuel Surcharge Adjustment.
- $WAC_{(CM)}$ = Weighted Average Cost of generation at Bus Bar of all the Power Stations for the current month expressed in Million Rupees
- $WAC_{(LM)}$ = Weighted Average Cost of generation at Bus Bar of all the Power Stations for the corresponding last month expressed in Million Rupees
- $USO_{(CM)}$ = Units Sent out after auxiliary consumption expressed in GWh for the current month.

5. For the purpose of above adjustment the Current Month would mean the month for which adjustment is required and the Last Month would mean the month immediately preceding the current month.

6. The weighted average cost would mean the sum of the weighted average cost for each power station which shall be determined on the basis of the following formula:

For Gas fuel:

$$WAC1_{(CM)} = \{GPI \times HRI \times FP_{(CM)}\} / 10^6$$

Where;

- $WAC1$ = Weighted Average Cost of Power Station 1 in Million Rupees
- GPI = Generation at Bus Bar of power station 1 after its auxiliary consumption expressed in GWh
- HRI = The approved heat rate for the power station 1 in BTU/kWh at Bus Bar.
- $FP_{(CM)}$ = Price of gas in Rs/MMBTU for the current month as notified by the relevant Authority (OGRA)

For Furnace Oil;

$$WAC1_{(CM)} = \{GPI \times CFI \times FP_{(CM)}\} / 10^3$$

Where;

WAC1	=	Weighted Average Cost of Power Station 1 in Mln. Rs
GPI	=	Generation at Bus Bar of power station 1 after its auxiliary consumption
CFI	=	The approved Conversion Factor for the power station 1 in Kg/kWh at Bus Bar.
FP _(CM)	=	Price of Furnace Oil (F.O) in Rs/M. Ton for the current month as notified by the relevant Authority.

7. The weighted average increase/(decrease) in fuel cost expressed in million rupees for each power station on the applicable fuel shall be calculated according to the above formula. The sum of the weighted average cost $WAC_{(CM)}$ for the current month shall be subtracted from sum of the weighted average cost $WAC_{(LM)}$ of the corresponding immediate last month and the difference in cost of the fuel (increase/decrease) shall be passed on to the consumers in the monthly consumer bills as Fuel Surcharge Adjustment (FSA).

8. The generation at Bus bar from each power station shall be worked out after subtracting the auxiliary consumption of each generating unit of a power station such that the sum of auxiliary consumption for all power stations shall not exceed 6.1% of the total gross generation for that particular month.

9. While approving monthly adjustment in tariff, the Authority shall ensure that KESCL has dispatched its all generating units in the economic merit order. For this purpose KESCL shall also submit the following data for verification.

- (a) Complete monthly data showing gross generation, auxiliary consumption, installed capacity, de-rated capacity, plant availability, power dispatched from each generating unit based on daily basis; and
- (b) Fuel stock position, F.O purchased during a month along with duly verified copies of purchase orders.

Adjustment on quarterly basis.

10. The impact of T&D losses on the monthly fuel price adjustment as per mechanism above shall be taken care of on quarterly basis and the corresponding increase/decrease in the consumer end tariff shall be passed on to the consumers through the revised schedule of tariff approved for the quarter.

11. The net quarterly variation in fuel cost due to fuel price and generation mix shall be adjusted in the consumer end tariff based on the following yearly target of T&D losses:

FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
25.0%	23.0%	21.0%	19.0%	17.0%	15.0%	15.0%

12. KESC shall submit the adjustment request within a week following the current month. The Authority shall approve the monthly fuel price adjustment within the five working days of receipt of KESCL request.

13. The requested increase/decrease in consumer end tariff for the current month shall be worked out by KESCL according to the attached format (worksheet) on month to month basis along with all the relevant details and supporting documents for verification by the Authority.

14. The approved monthly adjustment shall be notified in the official gazette of Pakistan and shall be applicable from the 1st day of month following the current month.

Worksheet for Calculation for Monthly Adjustment of Fuel Price Variation

Description	Unit	Last Month	Current Month
Generation on Gas at Bus Bar	GWh		
Korangi Thermal Power Station			
Korangi/SITE Gas Turbine Power Station			
Bin Qasim Power Station			
Total			
Generation on Furnace Oil at Bus Bar	GWh		
Korangi thermal Power Station			
Bin Qasim Power Station			
Total			
Total Generation at Bus Bar	GWh		
Weighted average price of Fuel			
Gas (Rs/MMBTu)			
Furnace (Rs/M.Ton)			
Heat Rate at Bus Bar for Generation on Gas			
Korangi thermal Power Station	BTU/kWh	13738	13738
Korangi/SITE Gas Turbine Power Station	BTU/kWh	17039	17039
Bin Qasim Power Station	BTU/kWh	10650	10650
Conversion Factor - Furnace Oil			
Korangi Thermal Power Station	Kg/kWh	0.32	0.32
Bin Qasim Power Station	Kg/kWh	0.25	0.25
Cost of Fuel			

Gas		Mln.Rs.		
Furnace Oil		Mln. Rs.		
Total				
Weighted Average cost (Gas)		Mln.Rs		
Weighted Average cost (FO)		Mln. Rs		
Total Weighted Average cost of fuel		Mln. Rs		
Revised Cost- Current Month		Mln. Rs.		
Less Reference Cost- Last Month		Mln. Rs.		
Increase/decrease in cost		MLn. Rs.		
Units Sold at Target Losses		GWh		
Required Increase/Decrease in the consumer end tariff		Rs/kWh		

Annexure-B

**MECHANISM FOR ADJUSTMENT IN TARIFF
DUE TO VARIATION IN POWER PURCHASE PRICE**

The following mechanism shall be applicable on KESCL to make an adjustment in KESCL's tariff for variation in the cost of Purchase of Power due to variation in rates of purchase.

2. KESC shall, on monthly basis, request for an adjustment of its consumer end tariff to compensate for variation in power purchase cost. The request shall be submitted on a prescribed format. The Authority shall determine the increase or decrease in the fuel part/component based on the variation in the rates of Power Purchase due to fuel prices and consequent adjustment in the monthly bills of consumers to be reflected as Fuel Surcharge Adjustment (FSA) required for a corresponding increase/decrease in revenue according to the following formula:-

$$\Delta FSA = \{WAC_{(CM)} - WAC_{(LM)}\} / URB_{(CM)}$$

Where:

- ΔFSA = The required Increase/Decrease in Rs/kWh for the current month over the corresponding last month to be reflected in the monthly bills of consumers as Fuel Surcharge Adjustment
- $WAC_{(CM)}$ = Weighted Average Cost of Power purchased from all external sources for the current month in Million Rupees
- $WAC_{(LM)}$ = Weighted Average Cost of Power Purchased from all external sources for the corresponding last month in

$$URB_{(CM)} = \frac{\text{Million Rupees}}{\text{Units received at bus bar for the current month to be expressed in GWh..}}$$

3. For the purpose of above adjustment, the Current Month would mean the month for which adjustment is required and the Last Month would mean the month immediately preceding the current month.

4. The weighted average cost would mean the sum of the weighted average cost for each power source which shall be determined on the basis of the following formula:

$$WAC1_{(CM)} = PP1 \times PPR1$$

Where:

WAC1 = Weighted Average Cost of Power Purchase from source 1 in Million Rupees.

PP1 = Power Purchased in GWh from power source 1

PPR1 = The approved rate of power purchase from source 1 in Rs/kWh

5. The weighted average increase/decrease in fuel cost expressed in million rupees for each power source shall be calculated according to the above formula. The sum of the weighted average cost $WAC_{(CM)}$ for the current month shall be subtracted from sum of the weighted average cost $WAC_{(LM)}$ of the corresponding immediate last month.

6. For calculation of weighted average cost (WAC) in case of IPPs such as Tapal & Gul Ahmed power plants and purchases from NTDC/CPPA, or any other additional source of power purchase, KESCL shall provide a separate working detail for the fuel part component and the fixed part (capacity) component as per the following details alongwith its monthly power purchase cost adjustment.

- Separate working for the escalable and non-escalable component of tariff alongwith the applicable exchange rate, US CPI etc.
- Separate working for the energy charge per unit and variable O&M components of tariff alongwith the data for the applicable indexation on variable O&M component.

7. The monthly adjustment shall be restricted to the fuel part/component of power purchase cost and shall be passed on to the consumers as FSA in accordance with the above formula.

8. While approving monthly adjustment, the Authority shall ensure that KESCL has dispatched its all power purchase sources in the economic merit order. For this purpose, KESCL shall also submit the following data for verification of requested adjustment in the consumer end tariff:

- Complete monthly data showing power purchased in GWh, installed capacity, de-rated capacity, plant availability, power dispatched to source on daily basis.

- Duly verified copies of invoices paid to each source of power, Fuel stock position, F.O purchased during a month alongwith duly verified copies of their purchase orders.

Adjustment on quarterly basis.

9. The fixed part/component of the power purchase cost along with variable O&M cost component of the IPPs as well as the wheeling charge of NTDC shall be adjusted on quarterly basis.

9.1 The impact of T&D losses on the monthly power purchase cost adjustment as per mechanism above shall be taken care of on quarterly basis and the corresponding increase/decrease in the consumer end tariff shall be passed on to the consumers through the revised schedule of tariff approved for the quarter.

9.2 The net quarterly variation in the power purchase cost (Fuel + Fixed part) shall be adjusted in the consumer end tariff based on the following yearly target of T&D losses.

FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
25.0%	23.0%	21.0%	19.0%	17.0%	15.0%	15.0%

10. KESCL shall submit the adjustment request within a week following the current month. The Authority shall approve the monthly power purchase cost adjustment within the five working days of receipt of KESCL request.

11. The requested increase/(decrease) in consumer end tariff for the current month shall be worked out by KESCL according to the attached format (Worksheet) on month to month basis alongwith all the relevant details and supporting documents for verification by the Authority.

12. KESCL shall be entitled to monthly adjustment of power purchase cost only from such sources whose agreements/PPAs are approved by the Authority.

13. The approved monthly adjustment shall be notified in the official gazette of Pakistan and shall be applicable from the 1st day of month following the current month.

14. The approved quarterly adjustment in tariff along with the revised schedule of tariff shall be notified by GoP.

Worksheet for Calculation of Power Purchase Cost Variation

Power Purchased from external sources	Unit	Last Month	Current Month
Tapal	GWh		
Gul Ahmed			
NTDC			
KANUPP			
PASMIC			
Others			
Total			
Rate of Power Purchase	Rs/kWh		
Tapal			
Gul Ahmed			
NTDC			
KANUPP			
PASMIC			
Others			
Cost of Power Purchased	Mln. Rs		
Tapal			
Gul Ahmed			
NTDC			
KANUPP			
PASMIC			
Others			
Total	Mln. Rs		
Weighted Average cost of current month	Mln. Rs		
Weighted average cost of last month	Mln. Rs		
Increase/Decrease in weighted average cost	Mln. Rs		
Unit Sold at Target Losses	GWh		
Required Increase/Decrease in the consumer end tariff	Rs/kWh		

MECHANISM FOR APPLICATION OF CPI - X

Annexure-C

1. KESCL shall, on yearly basis and within the first week of July, submit to the Authority the proposed adjustment of tariff for inflation indexation applicable for the financial year. KESCL shall provide the basis of the indexation and the resulting required change in consumer end average sale rate, in paisa per kWh rounded to two decimal places.

2. For the purpose of application of CPI the allowed O&M Cost per unit of paisas 98.47 has been segregated into Generation, Power Purchase, Transmission and Distribution. The breakup of O&M component is indicated in the following Table-I:

TABLE - I

Tariff Component	Symbol	Component (Paisa/kWh)
(1)	(2)	(3)
Generation owned by KESCL	Go	18.24
Power Purchase	Po	
Transmission	To	7.30
Distribution	Do	72.93
Total Rate		98.47

3. The productivity factor (X factor) for future years as applicable to O&M component relating to each segment is indicated in the following table - 2.

TABLE - 2

X - Factor									
Portion of tariff to which CPI is applicable	Symbol		Year						
			1 FY 10	2 FY 11	3 FY 12	4 FY 13	5 FY 14	6 FY 15	7 FY 16
Generation O&M	OM _G	X _G	2	2	2	2	2	2	2
Transmission O&M	OM _T	X _T	2	2	2	2	2	2	2
Distribution O&M	OM _D	X _D	3	3	3	3	3	3	3

4. The O&M component of each segment (Generation, Transmission and Distribution) of Tariff shall be varied to the extent of the change in CPI with respect to the CPI of the previous year as:

$$OM_i = OM_0 * \left[1 + \frac{(C_{PN} - C_{PO})}{C_{PO}} - \frac{X}{100} \right]$$

Where

OM_i is the revised O&M Component

OM₀ is the previous O&M component

C_{PN} is the new CPI

C_{PO} is the previous CPI

X is the respective efficiency factor, for the concerned component as per table 2

5. For the purpose of initial indexation falling due on 1st July 2010 the new CPI will be that of May 2010, the previous components of the tariff shall be as indicated in Table-I column 3 and the previous CPI shall be that of March 2009 i.e. 194.53 as notified by the Federal Bureau of Statistics (FBS).

6. The revised components of tariff resulting from applying indexation on 1st July 2010 shall become the previous component for application of indexation on 1st July 2011. The CPI as of May 2010 shall become the previous CPI and the new CPI shall be that of May 2011 for applying indexation on 1st July 2011. The same procedure will be repeated for the following yearly indexation.
7. The variation in the three O&M components of tariff i.e. Generation, Transmission & Distribution shall be aggregated to form the resulting variation in average sale rate.
8. Variation in Generation component $OM_G = OM_{G1} - OM_{G0}$
Where OM_{G1} is the revised O&M component and OM_{G0} is the previous component with respect to Generation.
Similarly for Transmission $OM_T = OM_{T1} - OM_{T0}$
and for Distribution $OM_D = OM_{D1} - OM_{D0}$
9. The resulting variation in average sale rate due to application of CPI – X shall be applied to all categories of consumers.
10. The Authority shall make its determination as soon as possible but no later than five working days of the receipt of the request for variation in rates due to inflation indexation and shall be notified in the official gazette.
11. The increase/decrease in consumer class-wise tariff shall be allowed in terms of Paisas per kWh.
12. KESCL shall not carry out any adjustment in the consumer end tariff unless allowed, approved or directed by the Authority.

Annexure-D

CLAWBACK MECHANISM FOR PROFIT SHARING WITH THE CONSUMERS

1. KESCL shall, on yearly basis and within the first week of January, submit the proposed adjustment of tariff arising out of the transfer of a portion of the profits of the preceding financial year to consumers according to the clawback formula as provided hereinbelow alongwith the basis of the calculations supported with the relevant audited financial statements:

CLAWBACK FORMULA

2. To the extent that the annual real return* on the regulatory asset base** exceeds the limits prescribed hereunder the surplus return shall be shared with consumers through a reduction in tariff, on the basis set out below:
 - a) Where the real annual return exceeds 12% but remains within 15%
25% of the profit value in excess of 12% Return on Assets ("RoA") will be transferred to the consumers.
 - b) Where the real annual return exceeds 15% but remains within 18%

In addition to (a) above, 50% of the profit value in excess of 15% RoA will be transferred to the consumers.

c) Where the real annual return exceeds 18%

In addition to (a) plus (b) above, 75% of the profit value in excess of 18% RoA will be transferred to the consumers.

- The annual return on the regulatory asset base shall be the audited earnings before interest and tax for that year divided by the average of the opening and closing regulatory asset base for that year.

** The regulatory asset base shall be the audited share capital and reserves, plus bank and other borrowings less cash and securities.

3. The decrease in average sale rate (ΔS_{ICB}) will be calculated as under:-

$$\Delta S_{ICB} = \frac{P_s}{U_{ST}}$$

Where P_s = The aggregate profit to be transferred to the consumers calculated according to sub paras (a), (b) and (c) of para 2 above.

U_{ST} = Estimated units expected to be sold during the twelve months commencing from January 1st of the financial year following the year for which profits are calculated.

The above reduction shall be applied uniformly to all consumer classes.

4. Within five working days of the receipt of request from KESC for an yearly reduction in tariff to above clawback mechanism, the Authority may allow the immediate application of the requested adjustment in sale rate, subject to required adjustments in bills of consumers if in the notified determination the adjustment in rates is greater than the one allowed for immediate application. The above adjustments in consumer bills if any shall be made as soon as possible but not later than 3 months from the date of notification of the rates.

5. The Authority shall make its determination as soon as possible but no later than five working days of the receipt of the request for reduction in rates and notify the same in the official gazette.

6. In case KESCL does not submit a request for tariff adjustment in a certain year, the Authority shall review the audited accounts on its own and approve a tariff reduction required to pass on the respective share of profits to the consumers.

7. The decrease in consumer class-wise tariff shall be allowed in terms of paisas per kWh rounded to two decimal places.

8. KESCL shall not carry out any adjustment in the consumer end tariff unless allowed, approved or directed by the Authority.

Annexure-E

**TERMS AND CONDITIONS OF TARIFF
(FOR SUPPLY OF ELECTRIC POWER TO CONSUMERS OF KESCL)**

PART - I

DEFINITIONS

The Company, for the purposes of these terms and conditions means Karachi Electric Supply Company Limited (KESCL) engaged in the business of distribution of electricity within the territory mentioned in the licence granted to it for this purpose.

1. "Authority" means The National Electric Power Regulatory Authority (NEPRA) constituted under section 3 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997;
2. "Billing Demand" means the highest of maximum demand recorded in a month except in the case of agriculture tariff where "Billing Demand" shall mean the sanctioned load;
3. "Charitable Institution" means an institution, which works for the general welfare of the public on no profit basis and is registered with the Federal or Provincial Government as such and has been issued tax exemption certificate by Federal Board of Revenue (FBR);
4. "Consumer" means a person or his successor-in-interest as defined under Section 2(iv) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997;
5. "CPPA" means Central Power Purchasing Agency;
6. "Fixed Charge" means the part of sale rate in a two-part tariff to be recovered on the basis of "Billing Demand" in kilowatt on monthly basis;
7. "Maximum Demand" where applicable, means the maximum of the demand obtained in any month measured over successive periods each of 30 minutes duration except in the case of consumption related to Arc Furnaces, where "Maximum Demand" shall mean the maximum of the demand obtained in any month measured over successive periods each of 15 minutes duration;
8. "Minimum Charge", means a charge to recover the costs for providing customer service to consumers even if no energy is consumed during the month;
9. "Month or Billing Period", unless otherwise defined for any particular tariff category, means a billing month of 30 days or less reckoned from the date of last meter reading;
10. "NTDC" means the National Transmission and Dispatch Company;
11. "Peak and Off Peak hours" for the application of Time of Use (ToU) Tariff shall be the following time periods in a day:

*** PEAK TIMING**

April to October (inclusive) 6.30 PM to 10.30 PM

November to March (inclusive) 6 PM to 10 PM

* To be duly adjusted in case of day light time saving.

OFF-PEAK TIMING

Remaining 20 Hours of the Day

-do-

12. "Point of supply" means metering point where electricity is delivered to the consumer.
13. "Power Factor" means the ratio of kWh to KV.Ah recorded during the month or the ratio of kWh to the square root of sum of square of kWh and kVARh.;
14. "Sanctioned Load" where applicable means the load in kilowatt as applied for by the consumer and allowed/authorized by the Company for usage by the consumer.;

15. "Supply", means the supply for single-phase/three-phase appliances inclusive of both general and motive loads subject to the condition that in case of connected or sanctioned load 5kW and above, the supply shall be given at three-phase; and
16. "Variable Charge" means the sale rate per kilowatt-hour (kWh) as a single rate or part of a two-part tariff applicable to the actual kWh consumed by the consumer during a billing period;

GENERAL CONDITIONS:

1. "The Company shall render bills to the consumers on a monthly basis or less on the specific request of a consumer for payment by due date.
2. The Company shall ensure that bills are delivered to consumers at least seven days before the due date. If any bill is not paid by the consumer in full within the due date, a Late Payment Surcharge of 10% (ten percent) shall be levied on the amount billed excluding Government Tax(es), duty(ies), etc. In case bill is not served at least seven days before the due date then late payment surcharge will be levied after 7th day from the date of delivery of bill.
3. The supply provided to the consumers shall ordinarily not be available for resale except in tariff class "C" as specified.
4. In the case of two-part tariff average Power Factor of a consumer at the point of supply shall not be less than 90 percent. In the event of the said Power factor falling below 90 percent, the consumer shall pay a penalty of two percent increase in the fixed charges determined with reference to maximum demand during the month corresponding to one percent decrease in the power factor below 90 percent.

PART - II

(Definitions and Conditions for supply of power specific to each consumer category)

A-1 RESIDENTIAL AND GENERAL SERVICES.

1. This Tariff is applicable for supply to;
 - i. Residences,
 - ii. Places of worship,
 - iii. Approved religious and charitable institutions,
 - iv. Government and Semi-Government Offices and institutions,
 - v. Government Hospitals and Dispensaries, and
 - vi. Registered Educational institutions.
2. Consumers having sanctioned load of less than 5 kW shall be billed on single-part kWh rate i.e. A-1(a) tariff.
3. All existing consumers having sanctioned load of 5 kW and above shall be provided ToU metering arrangement and converted to A-1(b) Tariff by the Company no later than June 30, 2011. Till such time they will be billed under tariff A-1(a).
4. All new consumers having sanctioned load of 5 kW and above shall be provided ToU metering arrangement with effect from 1st January 2010 and shall be billed on the basis of tariff A-1(b) as set out in the Schedule of Tariff.

A-2 COMMERCIAL

1. This tariff is applicable for supply to commercial offices and commercial establishments such as:

- i) Shops,
 - ii) Hotels and Restaurants,
 - iii) Petrol Pumps and Service Stations,
 - iv) Compressed Natural Gas filling stations,
 - v) Private Hospitals/Clinics/Dispensaries,
 - vi) Places of Entertainment, Cinemas, Theaters, Clubs,
 - vii) Guest Houses/Rest Houses, and
 - viii) Office of Lawyers, Solicitors, Law Associates and Consultants etc.
2. Consumers under tariff A-2 having sanctioned load of less than 5 kW shall be billed under a Single-Part kWh rate A-2(a).
 3. All existing consumers having sanctioned load of 5 kW and above shall be provided ToU metering arrangement and converted to A-2(b) Tariff by the Company no later than June 30, 2011. Till such time they will be billed under tariff A-2(a).
 4. All new consumers having sanctioned load 5 kW and above shall be provided ToU metering arrangement with effect from 1st January 2010 and shall be billed on the basis of tariff A-2(b) as set out in the Schedule of Tariff.

B-INDUSTRIAL SUPPLY

Definitions

This Tariff is applicable to industry and industrial supply such as:

- i) Poultry Farm,
 - ii) Fish Hatcheries and Breeding Farm, and
 - iii) Software houses.
1. "Industrial Supply" means the supply for *bona fide* industrial purposes in factories including the supply required for the offices and for normal working of the industry and also for water pumps and tube-wells operating on three phase 400 volts, other than those meant for the irrigation or reclamation of agricultural land.
 2. "Industry" for the purposes of application of this tariff, means a *bona fide* undertaking or establishment engaged in manufacturing, value addition and/or processing of goods.

Condition

3. An industrial consumer shall have the option, to switch over to seasonal tariff-F, provided his connection is seasonal in nature as defined under tariff-F, and he undertakes to abide by the terms and conditions of tariff-F and pays the difference of security deposit rates previously deposited and those applicable to tariff-F at the time of acceptance of option for seasonal tariff. Seasonal tariff will be applicable from the date of commencement of the season, as specified by the customers at the time of submitting the option for Tariff-F. Tariff-F consumers will have the option to convert to corresponding Regular Industrial Tariff category and vice versa. This option can be exercised at the time of obtaining a new connection or at the beginning of the season. Once exercised, the option will remain in force for at least one year.

B-1 SUPPLY AT 400 VOLTS (THREE PHASE) AND/OR 230 VOLTS (SINGLE PHASE)

1. This tariff is applicable for supply to Industries having sanctioned load of less than a 5 kW.
2. Consumers having sanctioned load of less than 5 kW shall be billed on single-part kWh Tariff B-1.
3. All existing consumers under B-1 category having sanctioned load of 5 kW and above shall be provided ToU metering arrangement and converted to B2(b) Tariff by the Company no later than 30th June 2011. Till such time they will be billed under Tariff B2 (a).

B-2 SUPPLY AT 400 VOLTS (5kW up to 500 kW)

This tariff is applicable for supply to Industries having sanctioned load of 5 kW and up to and including 500 kW.

All existing consumers having load up to 500 kW under B-2 shall be provided ToU metering arrangement and converted to B-2(b) Tariff by the Company no later than 30th June 2011. Till such time they will be billed under tariff B-2(a).

All new consumers having sanctioned load of 5 kW and above shall be provided ToU metering arrangement with effect from 1st January 2010 and shall be billed on the basis of tariff B-2(b) as set out in the Schedule of Tariff.

B-3 SUPPLY AT 11 kV & 33 kV (501 kW up to 5000 kW)

1. This tariff is applicable for supply to Industries having sanctioned load of more than 500 kW up to and including 5000 kW and also for Industries having sanctioned load of 500 kW or below who opt for receiving supply at 11kV or 33 kV.
2. The supply under this Tariff shall not be available to a prospective consumer unless he provides, to the satisfaction and approval of the Company, his own Transformer, Circuit Breakers and other necessary equipment as part of the dedicated distribution system for receiving and controlling the supply, or, alternatively pays to the Company for all apparatus and equipment if so provided and installed by the Company. The recovery of the cost of service connection shall be regulated by the NEPRA "Consumer Eligibility Criteria", 2003.
3. All existing B-3 consumers shall be provided ToU metering arrangement and converted to B3(b) Tariff by the Company no later than 30th June 2011. Till such time they will be billed under tariff B-3(a).
4. All the new Industrial Consumers shall be billed on the basis of ToU tariff B-3 (b) given in the Schedule of Tariff.
5. If, for any reason, the meter reading date of a consumer is altered and the acceleration/retardation in the date is upto 4 days, no notice shall be taken of this acceleration or retardation. But if the date is accelerated or retarded by more than 4 days, the fixed charges shall be assessed on proportionate basis for the actual number of days between the date of the old reading and the new reading.

B-4 SUPPLY AT 132 kV

1. This tariff is applicable for supply to Industries for all loads of more than 5,000 kW receiving supply at 132 kV and also for Industries having load of 5,000 kW or below who opt to receive supply at 132 kV.

2. If, for any reason, the meter reading date of a consumer is altered and the acceleration/retardation in the date is upto 4 days, no notice shall be taken of this acceleration or retardation. But if the date is accelerated or retarded by more than 4 days, the fixed charges shall be assessed on proportionate basis for the actual number of days between the date of the old reading and the new reading.
3. If the Grid Station required for provision of supply falls within the purview of the dedicated system under the NEPR "Consumer Eligibility Criteria", 2003., the supply under this Tariff shall not be available to such a prospective consumer unless he provides, to the satisfaction and approval of the Company, an independent grid station of his own including Land, Building, Transformers, Circuit Breakers and other necessary equipment and apparatus as part of the dedicated distribution system for receiving and controlling the supply, or, alternatively, pays to the Company for all such Land, Building, Transformers, Circuit Breakers and other necessary equipment and apparatus if so provided and installed by the Company. The recovery of cost of service connection shall be regulated by NEPR "Consumer Eligibility Criteria", 2003.
4. All existing consumers under tariff B-4(a) shall be provided ToU metering arrangement by the Company by 30th June 2011 and converted to B-4(b) Tariff.
5. All the new Industrial Consumers shall be billed on the basis of ToU tariff B-4 (b) given in the Schedule of Tariff.

B-5 SUPPLY AT 220 KV AND ABOVE

1. This tariff is applicable for supply to Industries for all loads of more than 5,000 kW receiving supply at 220 kV and also for Industries having load of 5,000 kW or below who opt to receive supply at 220 kV.
2. If the Grid Station required for provision of supply falls within the purview of the dedicated system under the NEPR "Consumer Eligibility Criteria", 2003., the supply under this Tariff shall not be available to such a prospective consumer unless he provides, to the satisfaction and approval of the Company, an independent grid station of his own including Land, Building, Transformers, Circuit Breakers and other necessary equipment and apparatus as part of the dedicated distribution system for receiving and controlling the supply, or, alternatively, pays to the Company for all such Land, Building, Transformers, Circuit Breakers and other necessary equipment and apparatus if so provided and installed by the Company. The recovery of cost of service connection shall be regulated by NEPR "Consumer Eligibility Criteria", 2003. If, for any reason, the meter reading date of a consumer is altered and the acceleration/retardation in the date is upto 4 days, no notice shall be taken of this acceleration or retardation. But if the date is accelerated or retarded by more than 4 days, the fixed charges shall be assessed on proportionate basis for the actual number of days between the date of the old reading and the new reading.
3. All the new Industrial Consumers shall be billed on the basis of ToU tariff B-5 given in the Schedule of Tariff.

C SINGLE-POINT (SINGLE-METERING) SUPPLY

"Single-Point Supply" for the purpose of this Tariff, means the supply given at one point:

- i. To a licensee converted from a bulk supply status (who was procuring power from the

- Company as a consumer prior to grant of license to the Company) for the purpose of further distribution within its respective exclusive territory and jurisdiction.
- ii. To a mix-load consumer not reselling to any other consumer such as residential, commercial, tube-well and others.

General Conditions

If, for any reason, the meter reading date of a consumer is altered and the acceleration/retardation in the date is upto 4 days, no notice shall be taken of this acceleration or retardation. But if the date is accelerated or retarded by more than 4 days, the fixed charges shall be assessed on proportionate basis for the actual number of days between the date of the old reading and the new reading.

C-1 SUPPLY AT 400/230 VOLTS (up to 500 kW)

1. This tariff is applicable to a consumer having mix load at a single metering arrangement at 400 volts, having sanctioned load upto and including 500 kW.
2. Consumers having sanctioned load of less than 5 kW shall be billed on single-part kWh rate i.e. C1(a) tariff.
3. All existing consumers governed by this tariff having sanctioned load of 5 kW and above shall be provided ToU metering arrangement and converted to C-1(b) Tariff by the Company no later than 30th June 2011. Till such time they will be billed under tariff C-1(a).
4. All new consumers having sanctioned load of 5 kW and above shall be provided ToU metering arrangement with effect from 1st January 2010 and shall be billed on the basis of tariff C-1(b) as set out in the Schedule of Tariff.

C-2 SUPPLY AT 11 kV & 33 kV (151 kW up to 5000kW)

1. This tariff is applicable to consumers receiving supply at 11 kV or 33 kV at one-point metering arrangement and having sanctioned load of upto and including 5000 kW.
2. The supply under this Tariff shall not be available to a prospective consumer unless he provides, to the satisfaction and approval of the Company, his own Transformer, Circuit Breakers and other necessary equipment as part of the dedicated distribution system for receiving and controlling the supply, or, alternatively pays to the Company for all apparatus and equipment if so provided and installed by the Company. The recovery of the cost of service connection shall be regulated by the NEPRA "Consumer Eligibility Criteria", 2003.
3. All existing consumers shall be provided ToU metering arrangement and converted to C2(b) Tariff by the Company no later than 30th June 2011. Till such time they will be billed under tariff C-2(a).
4. All new consumers shall be provided ToU metering arrangement with effect from 1st January 2010 and shall be billed on the basis of tariff C@ (b) as set out in the Schedule of Tariff.

C-3 SUPPLY AT 132 kV AND ABOVE

1. This tariff is applicable to consumers having sanctioned load of more than 5,000 kW receiving supply at 132kV and above and also for consumers having load of 5,000kW or below who opt to receive supply at 132kV.
2. If the Grid Station required for provision of supply falls within the purview of the dedicated

system under the NEPRA "Consumer Eligibility Criteria", 2003, the supply under this Tariff shall not be available to such a prospective consumer unless he provides, to the satisfaction and approval of the Company, an independent grid station of his own including Land, Building, Transformers, Circuit Breakers and other necessary equipment and apparatus as part of the dedicated distribution system for receiving and controlling the supply, or, alternatively, pays to the Company for all such Land, Building, Transformers, Circuit Breakers and other necessary equipment and apparatus if so provided and installed by the Company. The recovery of cost of service connection shall be regulated by NEPRA "Consumer Eligibility Criteria", 2003. All new consumers shall be provided ToU metering arrangement with effect from 1st January 2010 and shall be billed on the basis of tariff C-3(b) as set out in the Schedule of Tariff.

D AGRICULTURE SUPPLY

"Agricultural Supply" means the supply for Lift Irrigation Pumps and/or pumps installed on Tube-wells intended solely for irrigation or reclamation of agricultural land or forests, and include supply for lighting of the tube-well chamber.

Special Conditions of Supply

1. This tariff shall apply to:
 - i. *Bona fide* forests, agricultural tube-wells and lift irrigation pumps for the irrigation of agricultural land.
 - ii. Tube-wells meant for aqua-culture, viz. fish farms, fish hatcheries and fish nurseries.
 - iii. Tube-wells installed in a dairy farm meant for cultivating crops as fodder and for upkeep of cattle.
2. The lamps and fans consumption in the residential quarters, if any, attached to the tube-wells shall be charged entirely under Tariff A-1 for which separate metering arrangements should be installed.
3. The supply under this Tariff shall not be available to consumer using pumps for the irrigation of parks, meadows, gardens, orchards, attached to and forming part of the residential, commercial or industrial premises in which case the corresponding Tariff A-1, A-2 or Industrial Tariff B-1, B-2 shall be respectively applicable.
4. If, for any reason, the meter reading date of a consumer is altered and the acceleration/retardation in the date is upto 4 days, no notice shall be taken of this acceleration or retardation. But if the date is accelerated or retarded by more than 4 days, the fixed charges shall be assessed on proportionate basis for the actual number of days between the date of the old reading and the new reading

D-1 - AGRICULTURE SUPPLY

D1 For all loads

D2 Time of Use for all loads

1. All new consumers shall be provided ToU metering arrangement with effect from 1st January 2010 and shall be charged on the basis of ToU tariff D-2 given in the Schedule of Tariff.

2. All the existing consumers under D1 & D2 categories shall be provided ToU metering arrangement by 30th June 2011. Till such time these category of consumers shall be governed by D-1 tariff as set out in the schedule of Tariff.
3. The fixed charges under this Tariff shall be recovered on the basis of sanctioned load in kilowatt as the billing demand and such charges will be applicable even if no energy is consumed during a month.

E - 1 TEMPORARY RESIDENTIAL/COMMERCIAL SUPPLY

Temporary Residential/Commercial Supply means a supply given to persons temporarily on special occasions such as ceremonial, religious gatherings, festivals, fairs, marriages and other civil or military functions. This also includes supply to touring cinemas and persons engaged in construction works for all kinds of single phase loads. For connected load exceeding 4 kW, supply may be given at 400 volts (3 phase) to allow a balanced distribution of load on the 3 phases. Normally, temporary connections shall be allowed for a period of 3 months which can be extended on three months basis subject to clearance of outstanding dues.

Special Conditions of Supply

1. This tariff shall apply to Residential and Commercial consumers for temporary supply.
2. Ordinarily the supply under this Tariff shall not be given by the Company without first obtaining security equal to the anticipated supply charges and other miscellaneous charges for the period of temporary supply.

E-2 TEMPORARY INDUSTRIAL SUPPLY

"Temporary Industrial Supply" means the supply given to an Industry for the *bona fide* purposes mentioned under the respective definitions of "Industrial Supply", during the construction phase prior to the commercial operation of the Industrial concern.

Special Conditions of Supply

1. Ordinarily the supply under this Tariff shall not be given by the Company without first obtaining security equal to the anticipated supply charges and other miscellaneous charges for the period of temporary supply.
2. Normally, temporary connections shall be allowed for a period of 3 months, which may be extended on three months basis subject to clearance of outstanding dues.

F SEASONAL INDUSTRIAL SUPPLY

"Seasonal Industry" for the purpose of application of this Tariff, means an industry which works only for part of the year to meet demand for goods or services arising during a particular season of the year. However, any seasonal industry running in combination with one or more seasonal industries, against one connection, in a manner that the former works in one season while the latter works in the other season (thus running throughout the year) will not be classified as a seasonal industry for the purpose of the application of this Tariff.

Definitions

1. "Year" means any period comprising twelve consecutive months.
2. All "Definitions" and "Special Conditions of Supply" as laid down under the corresponding Industrial Tariffs shall also form part of this Tariff so far as they may be relevant.

Special Conditions of Supply

1. This tariff is applicable to seasonal industry.
2. Fixed Charges per kilowatt per month under this tariff shall be levied at the rate of 125% of the corresponding regular Industrial Supply Tariff Rates and shall be recovered only for the period that the seasonal industry actually runs subject to minimum period of six consecutive months during any twelve consecutive months. The condition for recovery of Fixed Charges for a minimum period of six months shall not, however, apply to the seasonal industries, which are connected to the Company's Supply System for the first time during the course of a season.
3. The consumers falling within the purview of this Tariff shall have the option to change over to the corresponding Industrial Supply Tariff, provided they undertake to abide by all the conditions and restrictions, which may, from time to time, be prescribed as an integral part of those Tariffs. The consumers under this Tariff will have the option to convert to Regular Tariff and vice versa. This option can be exercised at the time of obtaining a new connection or at the beginning of the season. Once exercised, the option will remain in force for at least one year.
4. All seasonal loads shall be disconnected from the Company's Supply System at the end of the season, specified by the consumer at the time of getting connection, for which the supply is given. In case, however, a consumer requires running the non-seasonal part of his load (e.g., lights, fans, tube-wells, etc.) throughout the year, he shall have to bring out separate circuits for such load so as to enable installation of separate meters for each type of load and charging the same at the relevant Tariff.
5. Where a "Seasonal Supply" consumer does not come forward to have his seasonal industry re-connected with the Company's Supply System in any ensuing season, the service line and equipment belonging to the Company and installed at his premises shall be removed after expiry of 60 days of the date of commencement of the season previously specified by the consumer at the time of his obtaining new connection/re-connection. However, at least ten clear days notice in writing under registered post shall be necessary to be given to the consumer before removal of service line and equipment from his premises as aforesaid, to enable him to decide about the retention of connection or otherwise. No Supply Charges shall be recovered from a disconnected seasonal consumer for any season during which he does not come forward to have his seasonal industry re-connected with the Company's Supply System.

G - PUBLIC LIGHTING SUPPLY

"Public Lighting Supply" means the supply for the purpose of illuminating public Lamps.

Definitions

"Month" means a calendar month or a part thereof in excess of 15 days.

Special Conditions of Supply

The supply under this Tariff shall be used exclusively for public lighting installed on roads or premises used by General Public.

H - RESIDENTIAL COLONIES ATTACHED TO INDUSTRIES

This tariff is applicable for one-point-supply to residential colonies attached to the industrial supply consumers having their own distribution facilities.

Definitions

1. "One Point Supply", for the purpose of this Tariff, means the supply given at one point to Industrial Supply Consumers for general and domestic consumption in the

residential colonies attached to their factory premises for a load of 5 kilowatts and above. The purpose is further distribution to various persons residing in the attached residential colonies and also for perimeter lighting in the attached residential colonies.

2. "General and Domestic Consumption", for the purpose of this Tariff, means consumption for lamps, fans, domestic applications, including heaters, cookers, radiators, air-conditioners, refrigerators and domestic tube-wells.
3. "Residential Colony" attached to the Industrial Supply Consumer, means a group of houses annexed with the factory premises constructed solely for residential purpose of the *bona fide* employees of the factory, the establishment or the factory owners or partners, etc.

Special condition of Supply:

1. The supply under this Tariff shall not be available to persons who meet part of their requirement from a separate source of supply at their premises.

[F.No. PIII-3(2)/2009]

U. Farooq

(Umar Farooq)
Deputy Secretary (Power)