



Registrar

# National Electric Power Regulatory Authority Islamic Republic of Pakistan

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No. NEPRA/TRF-133/KESC-2009/3166-3169  
March 31, 2014

Subject:- **Decision of the Authority in the matter of Karachi Electric Supply Company Limited Quarterly Adjustment in Tariff for the Quarter Ended June 2013 and Yearly Indexation in the O&M Cost Component of KESCL for the Year 2013-14 [Case No. NEPRA/TRF-133/KESCL-2009(6)]**

Dear Sir,

Please find enclosed herewith the subject decision of the Authority along with revised schedule of electricity tariff, Annexure-I (10 pages) regarding quarterly adjustment for the quarter ended June 2013 and Yearly Indexation in the O&M Cost Component for the year 2013-14 in respect of Karachi Electric Supply Company Ltd. in Case No. NEPRA/TRF-133/KESC-2009(6).

2. The Decision is being intimated to the Federal Government for the purpose of notification of the approved tariff in the official gazette pursuant to Section 31(4) of the Regulation of Generation, Transmission and Distribution of Electric Power Act (XL of 1997) and Rule 16(11) of the National Electric Power Regulatory Authority Tariff (Standards and Procedure) Rules, 1998.

3. Please note that revised schedule of tariff attached to the Decision as Annex-I is required to be notified in the official Gazette.

Enclosure: As above

31/3/14  
(Syed Safer Hussain)

Secretary,  
Ministry of Water & Power,  
'A' Block, Pak Secretariat,  
Islamabad

CC:

1. Secretary, Cabinet Division, Cabinet Secretariat, Islamabad.
2. Secretary, Ministry of Finance, 'Q' Block, Pak Secretariat, Islamabad.
3. Secretary, Privatization Commission, EAC Building, Islamabad.



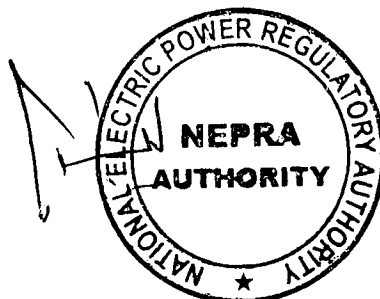
**DECISION OF THE AUTHORITY IN THE MATTER OF KARACHI ELECTRIC SUPPLY COMPANY LIMITED**  
**QUARTERLY ADJUSTMENT IN TARIFF FOR THE QUARTER ENDED JUNE, 2013 AND YEARLY**  
**INDEXATION IN THE O&M COST COMPONENT OF KESCL FOR THE YEAR 2013-14**

**BACKGROUND**

1. Pursuant to section 31(4) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 and in accordance with the determination of the Authority in case No. NEPRA/TRF-133/KESC-2009(6) notified vide S.R.O. No. 11(I)/2010 dated January 01, 2010, Karachi Electric Supply Company Limited (hereinafter referred to as the "KESCL") has been allowed certain adjustments in its tariff on quarterly basis. The adjustments allowed in the KESCL's tariff on quarterly basis include the following:
  - Impact of variation in the fixed component of power purchase cost and variable operation and maintenance costs (hereinafter referred to as the "O&M costs") of power purchased by KESCL from the external sources.
  - The impact of transmission and distribution losses (hereinafter referred to as the "T & D losses") not recovered in the monthly fuel charges adjustment.
2. In addition to the aforesaid adjustments in tariff, for allowing KESCL recovery of its revenue in future on the latest price level, the tariff level is required to be adjusted to the price level of last month of the quarter i.e. in the current case, the price level of June, 2013.
3. Further, KESCL's O&M cost component is adjusted for inflation on yearly basis. The adjustment/indexation is made in the O&M cost of each supply chain function undertaken by KESCL, i.e. Generation, Transmission and Distribution. It is referred as "CPI-X" mechanism in the determination as O&M cost components of each segment once indexed for inflation are subjected to reduction by certain approved efficiency factors.

**CURRENT REQUEST**

4. KESCL in accordance with the prescribed mechanism for adjustment of fuel cost and power purchase cost variation submitted quarterly adjustment request for the quarter April-June, 2013 (hereinafter referred to as the "current quarter") as well as yearly indexation request vide its letter No. RA&SP/NEPRA/071/1168 dated July 22, 2013. The summary of the adjustment as requested by KESCL is tabulated below;

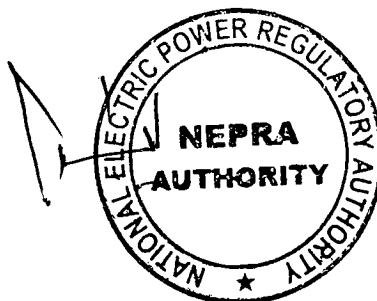




Sr. no.	DESCRIPTION	Requested Adjustment
1	Fuel Price Variation of June, 2013 over March, 2013(Ps/kWh)	(106.692)
	Power Purchase Price Variation of June, 2013 over March, 2013 (Ps/kWh)	(85.629)
	<b>Total Variation in Tariff (Ps/kWh)</b>	<b>(192.321)</b>
	<b>Un recovered Cost</b>	<b>Million Rs.</b>
	Variation in O&M cost of IPPs and Other External Sources (Mill Rs)	151.467
	Variation in Capacity Charges of IPPs and Other External Sources (Mill Rs)	10.604
	Un-recovered cost of fuel in FCAs due to non-adjustment of T&D losses (Mill Rs)	(728.009)
	Adjustment of Heat Rates of BQPS-II (Mill Rs.)	(81.184)
	<b>Total Unrecovered Cost (Mill Rs.)</b>	<b>(647.122)</b>
2	Estimated Units to be Sold at 17% T&D losses July-Sep,2013 (GWh)	2,965.998
	<b>Required Adjustments (Ps/kWh)</b>	<b>(21.818)</b>
3	<b>Adjustment of cost of the previous quarter (Jan-Mar,13)</b>	<b>(14.885)</b>
4	<b>CPI Annual Adjustment (O&amp;M cost component)</b>	<b>3.160</b>
	<b>Total Required Adjustment in KESCL's Tariff (Ps/kWh) (1+2+3+4)</b>	<b>(225.864)</b>

#### PUBLIC HEARING

5. Since the impact of tariff adjustment, if any, affects the consumers, therefore, in order to meet the ends of natural justice, the Authority considered it just and appropriate to provide an opportunity of hearing/filing of objections/comments to all the stakeholders. Accordingly, a public hearing for consideration of the requested adjustment was scheduled by the Authority on August 13, 2013 at Marriott Hotel, Karachi; notice thereof was published in the daily newspapers dated August 03, 2013 and separate notices were also sent to the major stakeholders on August 05, 2013 inviting thereby comments/objections from the concerned stakeholders to make the process of hearing meaningful and to reach at an informed and just decision. The comments, related to subject matter of hearing, as submitted by different commentators are given hereunder;
6. One of the commentator named Mr. Arif Bilwani questioned KESCL that why it is operating its power plants namely Korangi Gas-II, S.I.T.E Gas-II and Korangi Combined Cycle on single cycle mode. He stated that if these plants are operated on combined cycle mode then per unit cost and ultimately the tariff would be on the quite lower side. KESCL representative informed the Authority that they are in the process of converting the said power stations into combined cycle mode, however, it is a time consuming job. The Authority, in this regard hereby directs the utility to expedite the process of conversion.
7. The same commentator further submitted that the target of auxiliary consumption for KESCL's generation fleet as set by the Authority vide its determination dated December 23, 2009 is on the quite higher side as the same was based on inefficient power stations. Now since KESCL has brought efficient power generation sources in its fleet, therefore, the target of auxiliary consumption should be revised. In this regard, it is



2



informed that under the multi-year tariff regime, the set performance targets are used for allowing adjustment in the tariff of the utility and the benefit/loss of operations lower/higher than the set targets is availed/suffered by the utility itself. Nevertheless, it has been found from the figures and corresponding documentary evidences, as submitted by KESCL, that it is underperforming as compared to the set benchmarks.

### **ANALYSIS AND DECISION**

8. The generation data and rates, as submitted by KESCL (both from self generation and power purchased from external sources) were scrutinized with respective invoices and other underlying documents. KESCL's request for the current quarter has been discussed, in detail, under the following headings:

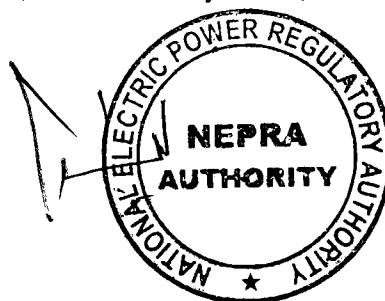
- a) Changing the reference tariff from March, 2013 to June, 2013
- b) Over-recovered costs for the Current Quarter
- c) Reversal of tariff adjustment pertaining to the previous quarter i.e. Jan-Mar, 2013 which was applicable for the current quarter only
- d) Yearly Indexation in O&M Cost for financial year 2013-14

a) **Changing the reference tariff from March, 2013 to June, 2013**

9. KESCL's last adjusted tariff is based on the fuel prices (both own generation and power purchase), O&M costs and capacity charges of March, 2013. For allowing KESCL recovery of its tariff in future on the latest price level, it is required that KESCL's tariff be adjusted to the price level of June, 2013. Changing the tariff level requires allowing variations in the fuel cost of KESCL's own generation as well as in the KESCL's power purchase cost (fuel cost, O&M costs and Capacity Charges) of June, 2013 over the reference month of March, 2013. KESCL has requested for allowing following adjustments in its tariff on this account:

Description	As Requested
Fuel cost variation of June, 2013 over March, 2013 (Mill Rs.)	(1,335.303)
Power purchase cost variation of June, 2013 over March, 2013 (Mill. Rs.)	(1,071.696)
<b>Total Variation (Mill Rs.)</b>	<b>(2,406.999)</b>
Units sold at 19% T&D losses for March, 2013 (GWh)	1,251.55
<b>Required adjustment in tariff (Ps/kWh)</b>	<b>(192.321)</b>

10. According to KESCL, the main reason of variation as claimed by it is the decrease in Furnace Oil (hereinafter referred to as "F.O) prices and more generation on gas as compared to the reference month. The weighted average rate of F.O for the month of June, 2013, as submitted by KESCL, comes out to be Rs. 64,868/MTon as



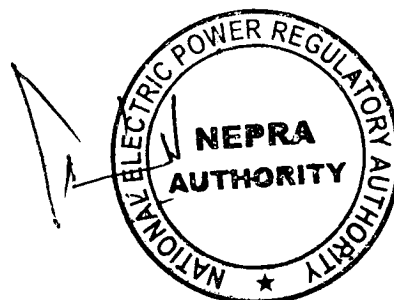


compared to Rs. 67,102/MTon in the reference month of March, 2013. Moreover, KESCL supplied around 37% electricity from gas on its power station namely Bin Qasim-I in the month of June, 2013 as compared to mere 14% during the reference month of March, 2013. Since, as per the mechanism approved vide Authority's determination dated December 23, 2009, the fuel charges variation on each power station in KESCL's owned generation fleet is worked out and allowed by taking into account the change both in price and generation mix, therefore, the aforementioned decrease in prices coupled with a lesser quantity of generation on the F.O in the month of June, 2013 compared to the reference month are the factors towards the claimed variation.

11. With respect to the power purchase cost, KESCL has submitted that the overall power purchase cost of the energy purchased from external sources of KESCL, i.e. fuel cost, O&M cost and Capacity charges, has decreased from Rs. 11.741/ kWh for the month of March, 2013 to Rs. 10.013/ kWh for the month of June, 2013 i.e. decrease of Rs. 1.728/KWh. Besides others, the major reason of this decrease is the decline in the cost (fuel cost + fixed cost) of the electricity purchased from National Transmission and Dispatch Company (hereinafter referred to as "NTDC"). The cost of energy purchased from NTDC for the month of June, 2013, as per the submission of KESCL, comes out to be Rs. 8.137/kWh against Rs. 10.694/kWh in the reference month.
12. A comparative analysis of the adjustment in KESCL tariff required for bringing it to the tariff level of June, 2013 as requested and as approved by the Authority in light of the thorough analysis is tabulated below;

Description	As Requested	Approved
Fuel cost variation of June, 2013 over March, 2013 (Mill Rs.)	(1,335.303)	(1,331.811)
Power purchase cost variation of June, 2013 over March, 2013 (Mill. Rs.)	(1,071.696)	(1,143.360)
Total Variation (Mill Rs.)	<b>(2,406.999)</b>	<b>(2,475.171)</b>
Units sold at 19% T&D losses for June, 2013 (GWh)	1,251.55	1,251.550
<b>Required adjustment in tariff (Ps/kWh)</b>	<b>(192.321)</b>	<b>(197.768)</b>

13. The above mentioned difference in the worked out and requested figures of fuel charges variation in own generation is due to inconsistency in the working of furnace oil monthly rate (Rs/MTon) at KESCL's end. KESCL in its request worked out the furnace oil rate while taking the prices of furnace oil consumed on moving average method whereas the Authority has consistently been using monthly weighted average method to calculate the same. The Authority vide its monthly fuel charges adjustment decisions has already directed KESCL to work out the monthly rate of furnace oil on monthly weighted average basis to avoid any inconsistency in the future failing which the decision will be taken in the consumer's interest.
14. The difference between requested and worked out power purchase cost variation is mainly due to the reason that KESCL in its request used invoiced energy transfer rate of NTDC, i.e Rs. 6.565/kWh for the month of June,





2013 whereas the Authority's approved NTDC rate is Rs. 6.363/kWh which has been used in the aforementioned calculations.

b) **Over Recovered costs for the current quarter**

15. KESCL has requested for allowing adjustments of the following over-recovered costs:

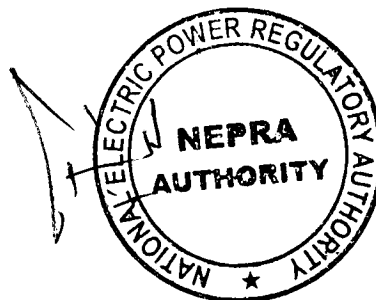
Description	Requested by KESCL
Variation in O&M cost of IPPs and Other External Sources (Mill Rs.)	151.467
Variation in Capacity charges of IPPs and Other External Sources (Mill Rs.)	10.604
Un-recovered cost of fuel in FCAs due to non-adjustment of T&D losses (Mill Rs.)	(728.009)
Adjustment of Heat Rates of BQPS-II	(81.184)
<b>Total Over-recovered Cost (Mill Rs.)</b>	<b>(647.122)</b>
Estimated Units to be Sold July-September, 2013 (GWh)	2,965.998
<b>Required Adjustments (Ps/kWh)</b>	<b>(21.818)</b>

16. **Variations in O&M Costs:** The variations in O&M costs are worked out by comparing the monthly weighted average O&M costs of all external power sources. This method yields results representing the change both in prices and energy mix on month to month basis. As tabulated above, KESCL has claimed roughly Rs. 152 million variation on this account. The main reason of claimed variation is the increase in the charges against the energy purchased from NTDC by KESCL especially in the month of May, 2013.

17. **Variations in Capacity Charges:** Similar to the mechanism of O&M costs, the variation in Capacity Charges is worked out by comparing the monthly weighted average cost of all the power stations KESCL procures power from, which represents change in both prices and energy. As shown above, KESCL has claimed around Rupees 11 million variation under this head. The reason of the claimed variation is the increase in the Capacity Charges of the two IPPs (Tapal and Gul Ahmed) during the current quarter as compared to the reference month. The Authority has noticed that KESCL is not fully utilizing the available capacity of IPPs and therefore hereby directs the utility to prudently utilize the same failing which capacity charges variations will not be passed on/adjusted in the tariff.

18. **Un-recovered fuel cost due to non-adjustment of T&D losses in monthly FCA:** The variations in the cost of fuel (own +power purchases) that were not allowed to KESCL to be passed on in the monthly FCAs to the extent of targeted T&D losses is required to be taken care of on quarterly basis. KESCL under this head has claimed about minus Rs. 728 million.

19. **Adjustment of Heat Rates of BQPS-II:** KESCL has claimed variation of around minus Rs.81 million under the captioned head against the energy generated from Bin Qasim Combined Cycle Power Station-II by using the



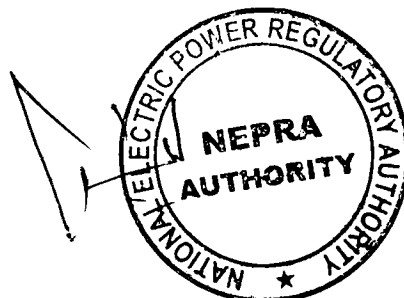


heat rate, i.e. 8606 BTUs/kWh as arrived at on the basis of Heat Rate Test, for the workings of aforementioned variation.

20. A comparative analysis of the adjustment in KESCL tariff for the un-recovered costs of the current quarter to be recovered as per request submitted by KESCL and calculation made after thorough analysis is tabulated below:

Description	Requested by KESCL	Approved
Variation in O&M Cost of IPPs and Other External Sources (Mill Rs.)	151.467	151.453
Variation in Capacity Charges of IPPs and Other External Sources (Mill Rs.)	10.604	10.618
Un-recovered Cost of fuel in FCAs due to non-adjustment of T&D losses (Mill Rs.)	(728.009)	(726.484)
Adjustment of Heat Rates of BQPS-II	(81.184)	-
<b>Total Over-recovered Cost (Mill Rs.)</b>	<b>(647.122)</b>	<b>(564.413)</b>
Est. units to be sold @17% T&D losses in next quarter (July-Sep'13) GWh	2,965.998	3,584.158
<b>Required Adjustment in KESCL's tariff (Ps/kWh)</b>	<b>(21.818)</b>	<b>(15.747)</b>

21. The difference in the requested and worked out variation in un-recovered fuel cost due to non-adjustment of T&D losses is mainly due to the reason that KESCL while claiming variation on this account used energy transfer rate as invoiced by NTDC in each month of the quarter. On the basis of Authority's approved energy transfer rate of NTDC, the aforementioned variations are worked out.
22. The Adjustment of Heat Rates of BQPS-II has not been accounted for as KESCL has claimed the said variations using the heat rate, i.e. 8606 BTUs/kWh as arrived at on the basis of Heat Rate Test, however; the Authority vide its letter # NEPRA/LAG-05/3016 dated March 29, 2013 and subsequently vide letter No. NEPRA/LAG-05/11158 dated September 12, 2013 has directed KESCL to use 7213.5 BTUs/kWh as the heat rate for the discussed power station.
23. Further, KESCL in its request estimated that 2,965.998 GWh units will be sold @ 17% T&D losses in the next quarter (July-September, 2013), however as KESCL's monthly FCA requests for the quarter of July-September, 2013 have been received, therefore, actual units sold out figure @ 17% T&D losses for the quarter July-September, 2013, i.e. 3,584.158 GWh has been used to calculate the unrecovered cost in Ps/kWh.
24. The variation in tariff allowed by the Authority under this head, will be applicable for the next quarter only i.e. July-September, 2013 and will cease automatically at the end of that quarter.





c) **Reversal of tariff adjustment which was applicable for the current quarter only**

25. The Authority in its previous quarterly adjustment pertaining to January-March, 2013 allowed Ps. 11.242/kWh increase in KESCL's tariff for adjustment of unrecovered amount of Rs 388.209 million by KESCL. As per the direction in the same decision, this increase of Ps. 11.242/kWh is required to be adjusted back in the KESCL's current quarterly adjustment in order to nullify its impact in the schedule of tariff. It is informed that KESCL in its request claimed that Ps. 14.885/kWh be deducted on this account as the decision for the quarter January-March, 2013 had not been issued by the Authority till the date of filing of request for the current quarter by KESCL.

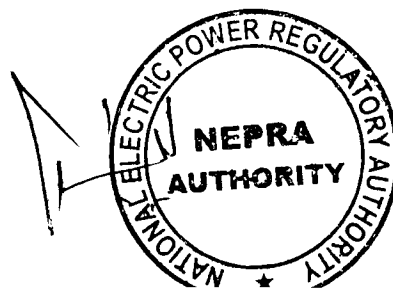
c) **Yearly Indexation of O&M Cost Components**

26. As per the mechanism prescribed in the Authority's determination dated December 23, 2009, KESCL's O&M cost components of Generation, Transmission and Distribution need to be adjusted on yearly basis for application of inflation in the tariff. Further, KESCL's O&M components, once indexed, are subjected to reduction by certain efficiency factor till the expiry of the Multi-Year tariff period, i.e. June, 2016. The approved efficiency (X) factor is required to be applied to the O&M cost component of each supply chain function undertaken by KESCL. The existing O&M cost i.e. applicable for the year 2012-2013, along with the X factor for each segment is indicated hereunder:

Portion of Tariff to which CPI is applicable	Existing Tariff (Ps/kWh)	X Factor (%)
Generation O&M	25.27	2
Transmission O&M	10.11	2
Distribution O&M	98.36	3
<b>Total</b>	<b>133.74</b>	

27. KESCL in its request submitted that its tariff needs to be adjusted by Ps. 3.16/kWh on account of yearly indexation of O&M cost component effective from July, 2013 to June, 2014. The variable O&M cost components of KESCL were last indexed on the basis of CPI for May, 2012. As per the report of Pakistan Bureau of Statistics for the month of May, 2013, the CPI of May, 2013 has increased by 5.13% from the corresponding month of last year, i.e. May, 2012. The O&M cost indexation/adjustment on the basis of 5.13% increase minus the specified efficiency factors comes out to be Ps. 3.202/kWh as detailed below which is hereby allowed;

Break-up of O&M Cost	Existing Tariff (Ps/kWh)	Indexation (%)	Efficiency Factor (%)	Increase Required (%)	Increase Required (Ps/kWh)	Revised Tariff (Ps/kWh)
Generation	25.27	5.13%	2%	3.13%	0.791	26.06
Transmission	10.11	5.13%	2%	3.13%	0.316	10.43
Distribution	98.36	5.13%	3%	2.13%	2.095	100.46
<b>Total</b>	<b>133.74</b>				<b>3.202</b>	<b>136.94</b>







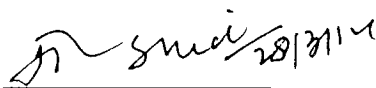
**Overall Adjustment in Tariff**


28. The overall cumulative variation in the KESCL's tariff after making the quarterly and yearly adjustments as discussed in the preceding paragraphs works out to be minus Ps. 221.555/kWh against the claimed figure of minus Ps. 225. 864/kWh as detailed below:

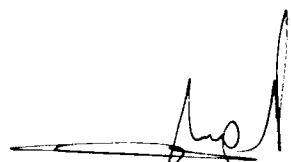
	<u>Paisas per kWh</u>
• Changing the reference tariff from March, 2013-June, 2013	(197.768)
• Unrecovered costs for the current quarter	(15.747)
• Reversal of tariff adjustment which was applicable for the current quarter only	(11.242)
Yearly Indexation of O&M cost components	3.202
	<hr/> <b>(221.555)</b> <hr/>

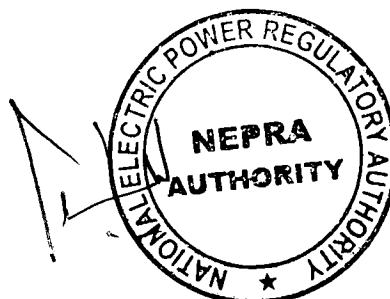
29. In order to allow adjustment in KESCL's tariff for the aforesaid cost variation for the current quarter, KESCL is allowed a uniform decrease in consumer-end tariff for all consumer categories by minus paisa 223 per kWh except for the life-line consumers. The revised schedule of tariff to be applicable from July 01, 2013 is attached herewith as **Annexure-I**

**Authority**

  
Major (Retd.) Haroon Rashid  
Member

  
Habibullah Khilji  
Member

  
Khawaja Muhammad Naeem  
Vice Chairman



**REVISED SCHEDULE OF ELECTRICITY TARIFF  
FOR KARACHI ELECTRIC SUPPLY COMPANY LIMITED (KESCL)  
DETERMINED FOR THE QUARTER APRIL 13-JUNE 13**

**A-1 GENERAL SUPPLY TARIFF - RESIDENTIAL**

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
a)	For Sanctioned load less than 5 kW			
i	Up to 50 Units	-		2.00
	For Consumption exceeding 50 Units			
ii	1- 100 Units	-		13.94
iii	101- 300 Units	-		15.78
iv	301- 700 Units	-		17.78
v	Above 700 Units			19.78
b)	For Sanctioned load 5 kW & above			
	Time Of Use	-	20.78	14.78

Under tariff A-1, 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

**A-2 GENERAL SUPPLY TARIFF - COMMERCIAL**

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
a)	For Sanctioned load less than 5 kW			20.28
b)	For Sanctioned load 5 kW & above	400.00		17.48
	Time Of Use	400.00	21.78	16.28

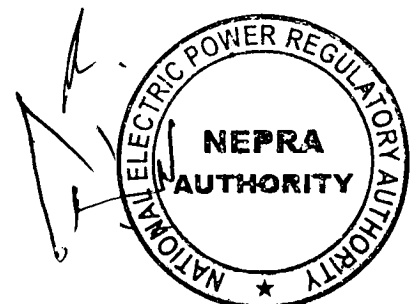
Under tariff A-2, there shall be minimum monthly charges at the following rates even if no energy is consumed.

- a) Single Phase Connections: Rs. 175/- per consumer per month  
b) Three Phase Connections: Rs. 350/- per consumer per month

**B INDUSTRIAL SUPPLY TARIFFS**

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
B1	Less than 5 kW (at 400/230 Volts)	-		16.78
B2(a)	5-500 kW (at 400 Volts)	400.00		15.38
B3(a)	For all loads upto 5000 KW (at 11,33 kV)	380.00		14.98
B4(a)	For all loads upto 5000 KW (at 66,132 kV)	360.00		14.58
	Time Of Use			
B2(b)	5-500 kW (at 400 Volts)	400.00	20.78	14.53
B3(b)	For All Loads up to 5000 kW (at 11,33 kV)	380.00	20.28	14.03
B4(b)	For All Loads (at 66,132 kV & above)	360.00	19.78	13.78
B5	For All Loads (at 220 kV & above)	340.00	19.28	13.53

- 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. 1000,000 per month.



**C - SINGLE-POINT SUPPLY FOR PURCHASE IN BULK BY A DISTRIBUTION LICENSEE  
AND MIXED LOAD CONSUMERS NOT FALLING IN ANY OTHER CONSUMER 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 less than 5 kW	-		16.78
b)	Sanctioned load 5 kW & up to 500 kW	400.00		15.93
C - 2(a)	For supply at 11,33 kV up to and including 5000 kW	380.00		15.93
C - 3(a)	For supply at 132 and above, up to and including 5000 kW	360.00		15.78
	Time Of Use			
C - 1(c)	For supply at 400/230 Volts 5 kW & up to 500 kW	400.00	20.78	14.78
C - 2(b)	For supply at 11,33 kV up to and including 5000 kW	380.00	20.28	13.98
C - 3(b)	For supply at 132 kV up to and including 5000 kW	360.00	19.78	13.78

**D - AGRICULTURE TARIFF**

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
D-1	For all Loads	200.00		16.38
	Time of Use			
D-2	For all Loads	200.00	22.38	14.38

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

**E - TEMPORARY SUPPLY TARIFFS**

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
E-1(i)	Residential Supply	-		20.18
E-1(ii)	Commercial Supply	-		23.08
E-2 (i)	Industrial Supply	-		19.78
E-2 (ii)	Bulk Supply			
	(a) at 400 Volts	-		20.18
	(b) at 11 kV			19.78

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.

**F - SEASONAL INDUSTRIAL SUPPLY TARIFF**

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.*

**G- PUBLIC LIGHTING**

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
	Street Lighting	-		19.78

Under Tariff G, there shall be a minimum monthly charge of Rs.500/- per month per kW of lamp capacity installed.

**H - RESIDENTIAL COLONIES ATTACHED TO INDUSTRIAL PREMISES**

Sr. No.	TARIFF CATEGORY / PARTICULARS	FIXED CHARGES Rs/kW/M	VARIABLE CHARGES Rs/kWh	
			Peak	Off-Peak
	Residential Colonies attached to industrial premises	-		17.78

