

# KERALA STATE ELECTRICITY BOARD

## ABSTRACT

KSERC order dated 30.04.2013 on revision of tariff for all consumers in the State except Bulk supply tariff to other licensees- Implementation of the revised tariff for HT and EHT consumers w.e.f 01-05-2013- Sanction accorded- Orders issued.

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### **CORPORATE OFFICE (Tariff & Regulatory Affairs Cell)**

B.O. (MF) No. 1110/2013 (KSEB/TRAC/Tariff Rev-2013-14) dated, Tvpmm 21.05.2013

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Read: (1) KSERC order dated 30.04.2013 on petition OP No. 2 of 2013 in the matter of ARR&ERC and tariff order of KSEB for the year 2013-14  
(2) Note No. KSEB/TRAC/ Tariff Rev 2013-14 dated 18.05.2013 of the Chief Engineer (Commercial & Tariff).

## ORDER

Kerala State Electricity Regulatory Commission (KSERC) vide the order dated 30<sup>th</sup> April-2013 had approved the tariff for all categories of consumers including HT & EHT consumers (except bulk licensees) with effect from 01-05-2013. Commission has clarified that once the Bulk Supply Tariff revised, the same will also be effective from 01-05-2013. However Commission has also ordered to categorize the tariff for the MES, Puthussery Electricity Department and Karnataka Electricity Department under HT-II. The Commission has also re-categorized many consumer categories including that of HT& EHT categories. The Commission has also revised the ToD tariff applicable to the HT&EHT consumers.

The Chief Engineer (Commercial & Tariff) vide the note read above has placed the order of the KSERC before the Board and recommended that the invoice for the month of May-2013 may be raised at the revised tariff approved by the KSERC. Chief Engineer has pointed out that, in order to raise the invoices correctly based on the revised tariff and re-categorization of HT&EHT consumers, as approved by the KSERC, the exact details of the HT&EHT consumers coming under each revised tariff category is to be collected from the field offices. Chief Engineer (Commercial & tariff) has further reported that, any delay in providing the exact details of the HT&EHT consumers coming under each tariff category by the field offices may results in under recovery of revenue due to KSEB. Further, revising the tariff for the HT&EHT consumers at a later date may lead to litigations and audit observations. Hence, Board may issue necessary directions to the Chief Engineers/ Deputy Chief Engineers of Distribution and Transmission wing to provide the exact details of the HT&EHT category to the Special Officer (Revenue) to raise the invoices at the revised tariff.

Chief Engineer (Commercial & Tariff) has further requested to issue necessary direction to the Chief Engineer (Projects) & Safety Commissioner/ Director (IT) to make necessary modifications in the HT&EHT billing software and to the Special Officer (Revenue) to raise the invoices to HT&EHT consumers for the consumption from May-2013 at the revised tariff.

Having considered the recommendation of the Chief Engineer (Commercial & Tariff), Board hereby orders to:

- (i) implement the revised tariff and re-categorization for HT&EHT consumers for the electricity consumption from May-2013 onwards as approved by the KSERC. The abstract of the revised tariff for HT&EHT consumers is given in Annexure-1 and re-categorization in Annexure-2 to this order.
- (ii) entrust the Director (IT) to make necessary modifications in the HT&EHT billing software with immediate effect to incorporate the revised tariff and re-categorization as approved by the KSERC.
- (iii) entrust the Special Officer (Revenue) to raise the invoices of all HT&EHT consumers for the consumption from May-2013 onwards at the revised tariff and re-categorization approved by KSERC, after collecting the exact details of the HT &EHT consumers coming under each tariff category from field offices.
- (iv) entrust the Chief Engineers (Transmission) North/ south to provide the exact details of the EHT consumers coming under each EHT category- i.e., EHT 220 kV, 110 kV, EHT 66 kV and EHT Non Industrial category to the SOR.
- (v) entrust the Chief Engineers (Distribution) North/Central/ South and the Deputy Chief Engineers (Distribution Circles) to provide the exact details of the HT consumers coming under each tariff category to SOR.

By Order of the Board

Sd/-

**N.Madhusoodanan Asari**

Secretary

To

Chief Engineer (Commercial & Tariff)  
Chief Engineer (Transmission) North/ South  
Chief Engineer (Distribution) North/ Central/ South  
Director (IT)  
Special Officer (Revenue)

Copy to: -

All Chief Engineers/ Deputy Chief Engineers  
The Financial Advisor,  
The Chief Internal Auditor,  
Legal Adviser & Disciplinary Enquiry Officer  
TA to Chairman / Member (Distn./Trans. Gen Opns./Gen. Projects)  
PA to Member (Finance), Sr.CA to Secretary  
Library

Forwarded by order

Assistant Engineer

**Annexure-1**

**ABSTRACT of the HT & EHT tariff and Billing Procedures**  
**(approved by the KSERC with effect from 01-05-2013)**

1. **HT-I Industrial** (Tariff applicable to general purpose industrial load)

(1) **HT I (A) Industry:**

Tariff applicable to general purpose industrial load including Printing Presses (including presses engaged in printing dailies), Plantations, granite crushing units, Seafood Processing Units, all non-agricultural pumping, drinking water pumping for public by Kerala Water Authority, corporations, Municipalities and Panchayats, Processing of milk by pasteurization, storage and packing.

| Particulars                       | Pre revised Tariff | Revised Tariff wef 01.05.2013 |
|-----------------------------------|--------------------|-------------------------------|
| Demand charge (Rs/ kVA per month) | 300                | 300                           |
| Energy Charge (paise per unit)    | 410                | 460                           |

(2) **HT I (B) IT and IT Enabled Services**

Tariff applicable for IT & IT enabled industries including computer consultancy service units engaged in the software services and data processing activities and desk top publishing, software units but excluding call centres.

| Particulars                       | Pre revised Tariff | Revised Tariff wef 01.05.2013 |
|-----------------------------------|--------------------|-------------------------------|
| Demand charge (Rs/ kVA per month) | 300                | 300                           |
| Energy Charge (paise per unit)    | 410                | 500                           |

2. **HT II Non industrial /Non Commercial** (applicable to public offices of Central/State Govt, Educational institutions of Universities, Govt Depts, Govt. Hospitals etc.,)

| Particulars                       | Pre revised Tariff | Revised Tariff wef 01.05.2013 |
|-----------------------------------|--------------------|-------------------------------|
| Demand charge (Rs/ kVA per month) | 350                | 350                           |
| Energy Charge (paise per unit)    | 410                | 445                           |

### 3. HT-III Agriculture

#### (1) HT III (A) Agriculture

Tariff applicable to agricultural purposes using electricity for pumping , dewatering and lift irrigation for cultivation of food crops such as cereals, pulses, vegetables and fruits.

| Particulars                       | Pre revised Tariff | Revised Tariff wef 01.05.2013 |
|-----------------------------------|--------------------|-------------------------------|
| Demand charge (Rs/ kVA per month) | 165                | 165                           |
| Energy Charge (paise per unit)    | 180                | 180                           |

#### (2) HT III (B) Agriculture

Tariff applicable to agricultural purposes such as poultry farms, silk worm breeding units, livestock farms , combination of livestock and dairy farms, Aquaculture, floriculture, tissue culture, sericulture and mushroom culture livestock farms, livestock farms with dairy farms, fish farms including ornamental fish farms, prawn farms ,other aqua farms , rabbit farms , piggery farms agricultural and floricultural nurseries, hatcheries etc

| Particulars                       | Pre revised Tariff | Revised Tariff wef 01.05.2013 |
|-----------------------------------|--------------------|-------------------------------|
| Demand charge (Rs/ kVA per month) | 165                | 165                           |
| Energy Charge (paise per unit)    | 180                | 230                           |

### 4. HT IV Commercial :

Tariff applicable to commercial establishments such as airports, hotels/restaurants, lodges, hostels, guest/rest houses, travelers bungalows, cold storage, freezing units business houses, film studios, cinema theatres, offices/ telephone exchanges of telecom companies, radio stations, television broadcasting companies, television channels, LPG Bottling plants, milk chilling plants, Cinema dubbing and animation studios , hall marking centre, Showrooms, Display outlets and service stations of automobiles and construction works etc.

| Particulars                       | Pre revised Tariff | Revised Tariff wef 01.05.2013 |
|-----------------------------------|--------------------|-------------------------------|
| Demand charge (Rs/ kVA per month) | 400                | 400                           |
| Energy Charge (paise per unit)    |                    |                               |
| upto 30,000 units (all units)     | 550                | 610                           |
| above 30,000 units (all units)    | 650                | 720                           |

5. **HT V General:** Tariff applicable to private hospitals, private clinical laboratories, private X-ray units, private mortuaries, private blood banks, private scanning centres, computer training institutes, Self-financing educational institutions (including hostels)

| Particulars                       | Tariff wef 01.05.2013 |
|-----------------------------------|-----------------------|
| Demand charge (Rs/ kVA per month) | 400                   |
| Energy Charge (paise per unit)    |                       |
| upto 30,000 units (all units)     | 600                   |
| above 30,000 units (all units)    | 700                   |

6. **EHT 66kV / 110kV/220 KV Industrial category** (applicable to Extra High Tension industrial consumers)

| Particulars                       | Pre revised Tariff |       |        | Revised Tariff wef 01.05.2013 |       |        |
|-----------------------------------|--------------------|-------|--------|-------------------------------|-------|--------|
|                                   | 66kV               | 110kV | 220 KV | 66kV                          | 110kV | 220 KV |
| Demand charge (Rs/ kVA per month) | 300                | 290   | 275    | 300                           | 290   | 275    |
| Energy Charge (paise per unit)    | 400                | 400   | 400    | 440                           | 430   | 435    |

7. **EHT Non Industrial** (applicable to Extra High Tension non- industrial consumers)

| Particulars                       | Tariff wef 01.05.2013 |
|-----------------------------------|-----------------------|
| Demand charge (Rs/ kVA per month) | 375                   |
| Energy Charge (paise per unit)    |                       |
| Upto 60,000 units                 | 600                   |
| Above 60,000 units                | 700                   |

8. **Railway Traction**

| Particulars                       | Pre revised Tariff | Revised Tariff wef 01.05.2013 |
|-----------------------------------|--------------------|-------------------------------|
| Demand charge (Rs/ kVA per month) | 250                | 250                           |
| Energy Charge (paise per unit)    | 400                | 435                           |

## 9. TOD Tariff

### Revised ToD tariff (w.e.f 01-05-2012)

(Rates as percentage of Normal ruling Charges)

|                | Normal period<br>(06:00 hrs to 18:00 hrs) | Peak period<br>(18:00 hrs to 22:00 hrs) | Off-peak period<br>(22:00 hrs to 06:00 hrs) |
|----------------|---|---|---|
| Demand Charges | (TOD is not applicable)                   |   |   |
| Energy charges | 100.00%                                   | 150.00%                                 | 75.00%                                      |

Note.

- (i) The billing demand will be the Recorded maximum demand for the month in kVA or 75% of the contract demand (as per agreement) whichever is higher.
- (ii) Existing incentive and penalty for power factor shall continue without change until further orders

The actual maximum demand of the above consumers shall be continued to be recorded during the above '3' time zones and the excess demand shall be penalized as given below.

**Excess demand charges:** Excess demand charges shall be applicable to the recorded maximum demand in excess of contract demand during normal period and peak period, which shall be charged at 50% extra (ie., excess demand during normal/peak period x ruling demand charges x 0.5). However Excess demand charges during off-peak period shall be applicable only if the recorded maximum demand during off peak period is in excess of 130% of the contract demand.

## 10. Billing Procedures for ToD tariff for HT & EHT consumers.

### Demand Charges (DC)

- (i) The recorded maximum demand during normal time zone (T1) from 06.00 hrs to 18.00 hrs = RMD1
- (ii) The recorded maximum demand during peak time (T2) from 18.00 hrs to 22.00 hrs = RMD2
- (iii) The recorded maximum demand during off-peak time (T3) from 22.00 hrs to 06.00 hrs = RMD3
- (iv) Recorded Maximum demand during a billing period, RMD= RMD1, RMD2 or RMD3 whichever is higher.
- (v) The Contract Demand (kVA) = CD
- (vi) The Ruling Demand Charge (Rs/kVA) = D

(vii) Billing Demand, BMD = RMD or 75% of the CD whichever is higher.

(viii) Demand Charge, DC = BMD x D

(ix) Excess Demand for HT& EHT consumers in each time zone shall be

(a) in Time Zone (T1), Ed1 = (RMD1-CD)

(b) in Time Zone (T2), Ed2 = (RMD2-CD)

(c) in Time Zone (T3), Ed3 = {RMD3-(1.30x CD)}

(x) Excess Demand Charge (ED) = Excess demand Ed1,Ed2 or Ed3 whichever is higher x 0.50 X D

(x) Total Demand Charge (DC) = DC + ED

### Energy Charges (EC)

(i) The energy consumption in Time Zone (T1) = X1

(ii) The energy consumption in Time Zone (T2) = X2

(iii) The energy consumption in Time Zone (T3) = X3

(iv) The Ruling Energy Charge(Rs/unit) = E

(v) Energy Charges in each time zone shall be :

(a) in Time Zone (T1), Ec1 = X1 x E

(b) in Time Zone (T2), Ec2 = X2 x E x 1.5

(c) in Time Zone (T3), Ec3 = X3 x E x 0.75

(vi) Total Energy Charge (EC) = Ec1+Ec2+Ec3

Total Monthly Charges = DC + EC

**Annexure-2**  
**Re-categorisation approved by the KSERC w.e.f 01-05-2013**

| SI No.   | Particulars   | Pre-revised tariff schedule | Revised tariff schedule (w.e.f 01-05-2013) |
|----------|---|-----------------------------|--|
|          | <b>HT &amp; EHT category</b>  |                             |  |
| <b>1</b> | <b>HT I(A) Industrial</b>   |                             |  |
|          | Industrial load including Printing Presses (including presses engaged in printing dailies), Plantations, granite crushing units, <b>dairy farms</b> , Seafood Processing Units, all non-agricultural pumping, drinking water pumping for public by Kerala Water Authority, corporations, Municipalities and Panchayats, Processing of milk by pasteurization, storage and packing   | HT-I                        | HT-I (A)                                   |
| <b>2</b> | <b>HT I(B) IT and IT enabled Services</b>   |                             |  |
|          | IT & IT enabled industries including computer consultancy service units with SSI registration engaged in the software services and data processing activities and desk top publishing, software units but excluding call centres.   | HT-I                        | HT-I (B)                                   |
| <b>3</b> | <b>HT II Non Industrial Non Commercial</b>  |                             |  |
|          | Non-industrial, non-commercial consumers such as Public Offices run by Central/ State Government, Local Bodies, Technical and Educational Institutions and Hostels run by or affiliated to Universities or Government Departments or Government Hospitals or Government Nursing Homes, Charitable Institutions, offices of political parties approved by Election Commission of India and Colonies supplied with energy at HT and HT domestic | HT-II                       | HT-II                                      |
| <b>4</b> | <b>HT III Agriculture</b>   |                             |  |
|          | <b>HT III (A) Agriculture</b>   |                             |  |
|          | Agricultural purposes using electricity for pumping, dewatering and lift irrigation for cultivation of food crops such as cereals, pulses, vegetables and fruits  | HT-III                      | HT-III (A)                                 |
|          | <b>HT III (B) Agriculture</b>   |                             |  |
|          | Agricultural purposes such as poultry farms, silk worm breeding units, livestock farms, combination of livestock and dairy farms, Aquaculture, floriculture, tissue culture, sericulture and mushroom culture, fish farms including ornamental fish farms, prawn farms ,other aqua farms , rabbit farms , piggery farms, agricultural and floricultural nurseries, etc  | HT-III                      | HT-III (B)                                 |
| <b>5</b> | <b>HT IV Commercial</b>   |                             |  |
|          | Commercial establishments such as airports, hotels/restaurants, lodges, hostels, guest/rest houses, travelers bungalows, cold storage, freezing units business houses, film studios, cinema theatres, milk chilling plants, offices/ telephone exchanges of telecom companies, radio stations, television broadcasting companies, television channels, LPG Bottling plants and construction works   | HT IV                       | HT IV                                      |
|          | Cinema dubbing and animation studios , hall marking centre, Showrooms, Display outlets and service stations of automobiles  |                             | HT IV                                      |

|          |  |             |                           |
|----------|--|-------------|---------------------------|
| <b>6</b> | <b>HT V General (New Category)</b>   |             |                           |
|          | Self financing educational institutions(including hostels),Private hospitals, private nursing homes, private clinical laboratories,private X-ray units, , private scanning centers | HT IV       | HT V                      |
|          | Private mortuaries, private blood banks,computer training centres/ institutes  |             | HT V                      |
| <b>7</b> | <b>Extra High Tension</b>  |             |                           |
|          | <b>EHT 66/110/220 KV Industrial</b>  |             |                           |
|          | EHT Tariff applicable to Industrial load at 66 KV  | EHT- 66 kV  | EHT- 66 kV                |
|          | EHT Tariff applicable to Industrial load at 110 KV   | EHT- 110 kV | EHT- 110 kV               |
|          | EHT Tariff applicable to Industrial load at 220 KV   | EHT 220 KV  | EHT 220 KV                |
|          | <b>EHT Tariff applicable to Non Industrial at 66/110/220 KV such as airports, hotels/restaurants and all others excluding industrial category</b>                                  |             | EHT Non Industrial tariff |