

## **Preface**

The Bihar Electricity Regulatory Commission (BERC) in exercise of the powers vested under section 62(1) (d) read with section 63(3) and section 64(3)(a) of the Electricity Act 2003 and other enabling provisions has issued order determining the Aggregate Revenue Requirement (ARR) and the Retail Tariff for the financial year 2012-13 for the supply of electricity by the Bihar State Electricity Board to the consumers in the whole state of Bihar.

The approved tariff rates have been made effective from 01.04.2012 and shall remain in force till the next tariff order of the commission. Accordingly, energy bills for the consumption during April 2012 shall be issued in May 2012 as per revised tariff.

For general terms and conditions of electricity supply to consumers/new applicant may please refer "Bihar Electricity Supply Code 2007" issued by the commission and published in Bihar Gazette on 10.01.2008. The detailed tariff order is available on the official website of the Board [www.bseb.bih.nic.in](http://www.bseb.bih.nic.in) and of Hon'ble BERC [www.berc.co.in](http://www.berc.co.in)

**Bihar Electricity Regulatory Commission**

Ground Floor, Vidyut Bhawan – II  
Jawahar Lal Nehru Marg, Patna – 800 021

**Case No. TP - 02 of 2011****In the matter of:**

Determination of Aggregate Revenue Requirement (ARR) and Retail Tariff for the Financial Year 2012-13 for supply of electricity to consumers in the State of Bihar by the Bihar State Electricity Board.

And

Bihar State Electricity Board ..... Petitioner

Present:

**U.N. Panjjar** – **Chairman**  
**S.C. Jha** – **Member**

**ORDER**

**(Passed on 30<sup>th</sup> Day of March, 2012)**

In exercise of the powers vested to Bihar Electricity Regulatory Commission under section 62(1)(d) read with Section 62(3) and Section 64 (3)(a) of the Electricity Act, 2003 and Bihar Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations 2007 (hereinafter referred to as 'Tariff Regulations') and other enabling provisions in this behalf, the Commission issues this order, truing up of the Aggregate Revenue Requirement (ARR) and revenue for financial year (FY) 2010-11, Reviewing of ARR and revenue for FY 2011-12 and determining the Aggregate Revenue Requirement

(ARR) and the Retail Tariff for the Financial Year 2012-13 for supply of electricity by the Bihar State Electricity Board to the consumers in the state of Bihar. Tariff Regulations specify that the Distribution Licensee shall file Aggregate Revenue Requirement (ARR) and the Tariff Petition complete in all respect along with requisite fee as prescribed in the Commission's Fees, Fines and charges, Regulation on or before 15th November of the preceding year. Accordingly the Licensee BSEB filed the ARR and Tariff Petition for the financial year 2012-13 along with the petitions for review of ARR for FY 2011-12 on 15th November, 2011 and subsequently BSEB filed petition for truing up of ARR and revenue for financial year 2010-11 .

Regulation 22 of the Tariff Regulations, 2007 provides that the Commission shall undertake a review along with next Tariff Order, of the expenses and revenue approved by the Commission in the current year's Tariff Order. After audited accounts of the year are made available, the Commission shall undertake a similar exercise based on the final actual figures as per the audited accounts. Accordingly BSEB along with petition for determination of ARR and retail tariff for FY 2012-13, has also submitted petitions for truing up of ARR and revenue for FY 2010-11 based on the audited annual accounts for the year and for review of the ARR for FY 2011-12.

As per Regulation 6(5) of the Tariff Regulation and for providing adequate opportunities to all stakeholders and general public for making suggestions/objections on the tariff petition as mandated under section 64(3) of the Electricity Act, 2003, the Commission directed BSEB vide letter dated 28th November 2011 to publish the ARR and tariff petition for FY 2012-13 in abridged form as public notice in newspapers having wide circulation in the State inviting suggestions/objections on the tariff petition. The tariff petition was also placed on the BSEB's website. Accordingly BSEB published the tariff petition in the abridged form as public notice in various newspapers. The last date of submission of suggestions/objections was initially fixed as 6th January, 2012 which was later on extended to 20th January, 2012 on the request of some of the consumers/consumer associations.

The Commission, to ensure transparency in the process of tariff determination and for providing proper opportunity to all stakeholders and general public for making suggestions/objections on the tariff petition and for convenience of the consumers and general public across the state, the Commission decided to hold the public hearing at all the divisional headquarters of the state and accordingly the Commission held public hearing at Darbhanga on 15th February 2012, Bhagalpur on 23rd February 2012, Purnea on 24th February 2012, Gaya on 27th February 2012, Muzaffapur on 13th March 2012 and Patna on 14th & 19th March 2012.

The tariff proposal was also placed before the State Advisory Committee on 23rd December, 2011 and the various aspects were discussed by the Committee. The Commission took the advice of the State Advisory Committee on the ARR and tariff petition of BSEB for FY 2012-13 during the meeting of the Committee.

The Commission took into consideration the facts presented by the BSEB in its tariff petition and subsequent various filings, the suggestions/objections received from stakeholders, consumer organizations, general public and State Advisory Committee and response of the Bihar State Electricity Board to those suggestions/objections.

The Commission taking into consideration all the facts which came up during the public hearing and meeting of the State Advisory Committee has true up the ARR and revenue for FY 2010-11, reviewed the ARR and revenue for FY 2011-12 and determined the ARR and retail tariff of the BSEB for FY 2012-13.

The true up of ARR and revenue for FY 2010-11 has indicated a surplus of Rs. 639.93 crores. The review of ARR and revenue for FY 2011-12 has given a surplus of Rs. 674.63 crores. Earlier true up for FY 2006-07, 2007-08, 2008-09 and 2009-10 had indicated a cumulative gap of Rs. 491.87 crores.

The State Government has been giving resource gap grant to BSEB which has been used for reducing the revenue gap of BSEB. This treatment of resource gap has the effect of reducing the average tariff of all categories of consumers across the state till FY 2011-12.

The State Government vide letter No. 4208 dated 19th September, 2011 has clarified that the resource gap grant being provided to the BSEB is meant for first compensating BSEB for the financial loss incurred by BSEB on account of additional power purchase due to difference in the actual T&D loss and the T&D losses as approved by the Commission and the balance amount of resource gap grant will be used to subsidise the agricultural and rural consumers. The resource gap grant estimated to be received during FY 2012-13 has been used to first compensate BSEB for the financial losses caused to BSEB on account of additional power purchase due to difference in the actual T&D losses and the T&D losses approved by the Commission and the remaining portion of the grant has been used to subsidise the agriculture and rural consumers. As a result of government subsidy, the tariff rate of Agriculture, Kutir Jyoti, and other rural consumers has been retained at the level of 2011-12 and no increase has been approved.

The BSEB in its tariff petition for FY 2012-13 has proposed 10% premium on demand/ fixed and energy charge and in MMC for LT consumers except Kutir Jyoti and Agriculture and

HTS-I consumers for the PESU Area, Rajgir Area and Bodh Gaya Area in which BSEB intends to supply continuous power at least for 600 hours in a month excluding the duration of grid failure, plant failure of power supplier, any force majeure condition, scheduled shut down, emergent breakdown and restriction of power supply by the Commission under Section 23 of the Electricity Act, 2003. The Commission feels that the Distribution Licensee cannot differentiate in making electric supply available to different areas. As per provisions of the Act, there should be equitable distribution of available energy in different areas. So the Commission directs the Board for equitable distribution of energy in different areas of the State as far as possible. However, if the Board supplies or intends to supply power continuously to some areas including Patna, this should not be done at the cost of supply to other areas. BSEB can charge premium over the normal tariff from consumers of such areas getting nearly 24 hours of supply from 33kV or 11 kV feeders to HTS-I and all LT consumers except Kutir Jyoti and Agricultural consumers. The continuous supply shall mean the normal supply for nearly 24 hours excluding the grid failure, any force majeure condition, scheduled shut down and emergent breakdown beyond the control of BSEB. The Commission has accordingly allowed 10% premium on fixed and energy charge and in MMC in tariff rate of HTS- consumers and all LT consumers and 11 kV consumers except Kutir Jyoti and Agricultural Consumers. The Board has to notify such areas after strengthening the infrastructure required to ensure close to 24 hour supply to the notified areas. Strengthening of infrastructure may include interalia strengthening/replacement of weak conductors, transformers and other electrical equipments installed for supplying electricity to the notified areas, provision of appliances and spares and keeping technical teams ready round the clock for rectifying defects leading to disruption of supply in these areas. A few Telephones should be kept operational for each notified area which should be manned round the clock for receiving and responding to the complaints. These telephone numbers should be widely publicised in the newspapers for the information of the general public. BSEB must ensure these steps for ensuring close to 24 hours supply of electricity to the notified areas before charging premium tariff.

BSEB in this tariff petition has proposed Transmission and Distribution loss of 42% for the FY 2011-12 and 41% loss for FY 2012-13. The Commission has allowed the T&D losses at 29% for FY 2011-12 and 27.5% for FY 2012-13 as per approved trajectory. The financial loss caused to BSEB due to the difference between the actual T&D loss as stated by the Board and T&D losses approved by the Commission has been compensated from the resource gap grant provided by the State Government.

The Commission has made Time of Day (TOD) tariff mandatory for consumers with contract demand of 200KVA and above in the tariff order for FY 2011-12 which provides incentive for consumption in off peak hours and disincentive for consumption of power in peak hours. The Commission has considered this provision proper for demand side management and so this provision has been retained in this tariff order also. For other HT consumers ToD Tariff has been made optional.

The Commission has approved a new provision for Tatkal Connection on payment of application fee and supervision, labour and establishment charge for service connection at double the normal rate. Under the scheme a consumer may apply for new connection on Tatkal basis and BSEB will provide Tatkal connection within half the period specified for normal connection. If BSEB is not able to provide connection within the specified period then the additional fee paid by the consumer will be refunded in the first energy bill.

The Commission has also allowed partial payment of energy bill as an option available to the consumers.

The BSEB in its tariff petition has proposed various changes in the terms and conditions of supply which the Commission has properly scrutinized and has considered suggestions/objections of the stakeholders, consumers and general public and has accordingly specified the terms and conditions of supply in this Tariff Order.

The Board has proposed to withdraw the facility of ten (10) days grace period after due date of payment without any Delayed Payment Surcharge (DPS). The Commission considering the suggestions of the consumers as well as State Advisory Committee, has retained the provision of ten days grace period after due date of payment without levy of any Delayed Payment Surcharge.

In the Tariff Order for FY 2011-12, the Commission had indicated the desirability of phasing out the Monthly Minimum Charge (MMC). As a first step MMC was replaced by Annual Minimum Guarantee (AMG) for HT consumers. Since the revenue from MMC/AMG from HT consumers is only about 0.5% of the total revenue of the Board and metering/billings of the HT consumers are monitored more closely because of their limited numbers, the Commission has done away with the provision of MMC/AMG for HT consumers. Phasing out of MMC/AMG for other categories of consumers will be considered gradually.

To encourage the consumers to avail power under 'Open Access' from other sources, the Commission has reduced the cross subsidy surcharge by about 50% (fifty percent) in its Tariff Order for FY 2011-12 which the Commission has retained during 2012-13 also.

As a result, the consumers have to pay cross subsidy surcharge at the rate of about 50% of the rate approved in Tariff Policy 2006.

The provision of charging Fuel and Power Purchase Cost Adjustment (FPPCA) with the approval of the Commission on a monthly basis which was introduced in the Tariff Order for FY 2011-12 has been retained. FPPCA has been made applicable to all categories of consumers without any exception. However, FPPCA levied on Kutir Jyoti and Agriculture (Private) consumers will be subsidized with the subsidy available from State Government.

This order is in 12 chapters which also include True up for FY 2010-11, Review for 2011-12 and detailed analysis of the Aggregate Revenue Requirement (ARR) and approved Retail Tariff Rates for the financial year 2012-13.

The ARR after incorporating surplus from previous years is Rs. 4747.22 crores. The revenue gap at existing tariff as determined by the Commission is Rs. 1676.60 crores. To avoid sharp increase in tariff rates, the Commission has approved a moderate increase of 12% in average tariff which will fetch an additional revenue of Rs. 348.06 crores. The existing average tariff is Rs.4.06 per unit which has now been increased to Rs. 4.55 per unit. Considering the sale of intra-state revenue at approved tariff and sale outside the state, revenue gap comes to Rs. 841.17 crores. Resource gap grant of Rs. 683.90 crore has been used to subsidise Kutir Jyoti, Agriculture and other rural consumers to bring down their tariff to the level of financial year 2011-12. As a result, the revenue gap at approved tariff has come down to Rs. 157.26 crores. In order to avoid further increase in tariff, the revenue gap of Rs. 157.26 crores is being approved as regulatory asset which will be recovered along with carrying cost in the subsequent financial years after true up for FY 2011-12 and review of the ARR for FY 2012-13 along with determination of ARR and retail tariff for FY 2013-14.

With a view to enforce quality, efficiency, transparency and accountability in the operation of BSEB in this Order the Commission has issued fresh directives to BSEB for strengthening the consumer complaint redressal mechanism, circle-wise fixing and monitoring of loss trajectory, determining category-wise and voltage-wise T&D loss and cost of supply, preparation of separate business plan for generation, transmission and distribution functions and submitting multi year tariff petition for generation, transmission and distribution for a period of 3 years starting from FY 2013-14.

This order shall be effective w.e.f. 1st April 2012. The Bihar State Electricity Board should ensure implementation of the order from the effective date after issuance of a Public Notice, in such a font size which is clearly visible, in two daily newspaper having wide circulation in the various parts of state within a week and compliance of the same shall be submitted to the Commission by the BSEB.

This order shall remain in force till 31st March, 2013 or till the next tariff order of the Commission.

This order will be placed on the website of the Commission and a copy will be sent to BSEB, Department of Energy, Government of Bihar, Central Electricity Regulatory Commission and all State/Joint Electricity Regulatory Commissions.

Sd/-

**(S. C. Jha)**  
**Member**

Sd/-

**(U. N. Panjjar)**  
**Chairman**



# 1 Tariff Principles, Design and Tariff Schedule

## 1.1 Approved tariff categories for FY2012-2013

1.1.1 The approved tariff categories / sub-categories along with different slabs are given below:

S.No.	Category
1	<b>Domestic Service (DS)</b>
1.1	<b>Kutir Jyoti (KJ)/ BPL Connection</b>
(i)	<b>Kutir Jyoti / BPL (Rural)</b> <b><u>Unmetered</u></b> Connected load: upto 60 Watt <b><u>Metered</u></b> Connected load: upto 60 watt
(ii)	<b>Kutir Jyoti / BPL (Urban)</b> <b><u>Metered only</u></b> Connected load: upto 100 watt
1.2	<b>Domestic -I (Rural)</b>
	<b><u>Unmetered</u></b> Connected load: Upto 2 kW <b><u>Metered</u></b> Connected load: upto 2 kW
1.3	<b>Domestic-II (DS-II)– Metered only</b>
	<b><u>Urban</u></b> Single phase – upto 7 kW Three phase – 5 kW and above <b><u>Rural</u></b> For connected load above 2 kW
1.3.1	<b>Domestic II (DS-II) (D) – OPTIONAL</b>
	<b>Demand based tariff</b> Contract demand between 5 kW and 70 kW
1.4	<b>Domestic-III – Urban - Metered</b>
	<b>Registered societies for their residential colonies, having not less than 15</b>

effective from 1<sup>st</sup> April, 2012

S.No.	Category
	houses/ flats in the colony. Residential colonies/ multistoried residential complexes taking load in bulk at a single point with a minimum load of 2 kW per flat/ house and maximum total load upto 70 kW.
<b>2</b>	<b>Non-Domestic Services (NDS)</b>
<b>2.1</b>	<b>Non- Domestic Services -I : Rural</b>
	<b><u>Unmetered</u></b> Connected load: Upto 2 kW <b><u>Metered</u></b> Connected load: Upto 2 kW
<b>2.2</b>	<b>Non- Domestic Services -II: Urban and Rural Above 2 kW</b>
	<b><u>Metered</u></b> Connected load: upto 70 kW for urban consumers & above 2 kW for Rural consumers
<b>2.2.1</b>	<b>Non-Domestic Services- II (D) – OPTIONAL</b>
	<b>Demand based tariff</b> Contract demand between 5 kW and 70 kW
<b>2.3</b>	<b>Non- Domestic Services -III: Metered (Places of worship etc.)</b>
	Connected Load: Upto 30 kW
<b>2.3.1</b>	<b>Non-Domestic III (D) – OPTIONAL</b>
	<b>Demand based tariff</b> Contract demand between 5 kW and 30 kW
<b>3</b>	<b>Irrigation and Agricultural Service (IAS)</b>
<b>3.1</b>	<b>IAS - I</b>
(i)	<b><u>Unmetered</u></b> Private tube wells including bonafide agricultural Operations.
(ii)	<b><u>Metered</u></b> Private tube wells including bonafide agricultural Operations and hatcheries, poultries and fisheries (Fish ponds)
<b>3.2</b>	<b>IAS-II : Connected Load: Upto 100 HP</b>
(i)	<b><u>Unmetered</u></b>
(ii)	<b><u>Metered</u></b>
<b>4</b>	<b>Low Tension Industrial Services (LTIS)</b>
<b>4.1</b>	<b>LTIS-I: Upto 25 HP</b>

<b>S.No.</b>	<b>Category</b>
<b>4.1.1</b>	<b>LTIS-I (D) – OPTIONAL</b> Demand based tariff - Contract demand upto 15 kW
<b>4.2</b>	<b>LTIS-II: Above 25 HP upto 99 HP</b>
<b>4.2.1</b>	<b>LTIS-II (D) – OPTIONAL</b> Demand based tariff - Contract demand above 15 kW and upto 60 kW
<b>5</b>	<b>Public Waterworks (PWW) upto 99 HP</b>
<b>6</b>	<b>Street Light Services</b>
<b>6.1</b>	<b>SS-I Metered Supply</b>
<b>6.2</b>	<b>SS-II Unmetered Supply</b>
<b>7</b>	<b>High Tension Supply</b>
<b>7.1</b>	<b>HTS-I – 11 /6.6 kV supply</b> For installations having contract demand of 75 kVA to 1500 kVA.
<b>7.2</b>	<b>HTS-II – 33 kV supply</b> For installations having contract demand of 1000 to 10000 kVA
<b>7.3</b>	<b>HTS –III - 132 kV supply</b> For installations having contract demand of 7.5 MVA and above
<b>7.4</b>	<b>HTSS - 33/11 kV supply</b> Specified Services for Induction furnaces and allied loads.
<b>8</b>	<b>Railway Traction Services (RTS)</b> RTS (At 132 kV supply or above) RTS (At Lower than 132 kV supply)
<b>9</b>	<b>Temporary Supply (LT &amp; HT)</b>
<b>10</b>	<b>Seasonal Supply</b>

1.1.2 The approved Tariff Schedule which shall be effective from **1<sup>st</sup> April 2012** is given in Appendix –I.

**Part A - Tariff Schedule for Low Tension Supply**

**Part B - Tariff Schedule for High Tension Supply**

**Part C - Miscellaneous and General Charges**

The Board has proposed to revise the miscellaneous and general charges for FY 2012-13. The existing applicable miscellaneous and general charges have been approved in Tariff Order for FY 2011-12. The Wholesale price Index has increased. The Miscellaneous and General Charges, which are essentially driven by the labour and material costs have undergone significant amount of increase and the present rates do not reflect the actual cost. So, the Commission finds it proper to revise the General and Miscellaneous charges. The General and Miscellaneous charges as approved by the Commission are provided in part C of this chapter. These charges will be effective from the date of the applicability of new approved retail tariff.

**Part D - Fuel and Power Purchase Cost Adjustment**

FPPCA charges will be based on the formula given by the Commission in the Part D of this chapter. The formula will be applied on monthly basis by BSEB after seeking the regulatory approval.

**1.2 TARIFF SCHEDULE FOR RETAIL TARIFF RATES AND TERMS AND CONDITIONS OF SUPPLY FOR FY 2012-13**

**(Effective from 01<sup>st</sup> April, 2012)**

**PART - A: LOW TENSION SUPPLY**

**System of supply:** Low Tension – Alternating Current, 50 cycles

Single Phase supply at 230 Volts

Three Phase supply at 400 Volts

The tariffs are applicable for supply of electricity to L.T consumers with a connected load upto 70 kW for domestic and non-domestic category, upto 99 HP for industrial (LTIS) and for public water works (PWW) category and upto 100 HP for irrigation category.

- Single Phase supply upto 7.0 kW
- Three Phase supply 5.0 kW and above

**CATEGORY OF SERVICE AND TARIFF RATES**

**1.0 DOMESTIC SERVICE**

**Applicability**

This tariff is applicable for supply of electricity to domestic purposes such as lights, fans, radios, televisions, heaters, air-conditioners, washing machines, air-coolers, geysers, refrigerators, ovens, mixers and other domestic appliances including motor pumps for lifting water for domestic purposes. This is also applicable to the common facilities in the multistoried, purely residential apartments, buildings.

**1.1 Kutir Jyoti Connection (KJ) – Rural / Urban**

This will be applicable to (i) all huts (Kutir) and dwelling houses of rural and urban families below the poverty line (BPL) (ii) houses built under schemes like Indira Awas Yojana and similar such schemes for BPL families. Hut (Kutir) means a living place with mud wall and thatched roof or house built under Indira Awas Yojana and other similar schemes for BPL families which shall not exceed 200 Sq ft area.

- i) The total connected load of Kutir Jyoti connection in a rural area should not exceed 60 watts and for an urban connection it should not exceed 100 watts and maximum consumption 30 units per month shall be allowed.

- ii) Use of CFL both in rural areas and urban areas should be encouraged.
- iii) **In case it is detected that the norms prescribed in para (i) and (ii) above are violated, the Kutir Jyoti Tariff shall immediately become inoperative and rates applicable to DS – I and DS- II category as the case may be, with appropriate charge shall apply in such cases.**

### 1.2 Domestic Service – I (DS – I)

This is applicable to domestic premises in rural areas for a load upto 2 kW not covered by areas indicated under DS-II and not being fed from urban / town feeders.

### 1.3 Domestic Service – II (DS – II)

This is applicable for domestic premises in urban areas covered by Notified area committee / Municipality / Municipal Corporation / Development Authority / All District and Sub divisional towns / Block Head Quarters / Industrial areas /Contiguous Sub urban areas and also areas getting power from Urban / Town feeders for single phase supply for load upto 7 kW and three phase supply for load of 5 kW and above. Rural consumers having sanctioned load above 2 kW will come under this category. Consumer has the option to take single -phase or three-phase supply connection for a load of 5KW.

### 1.4 Domestic Service – III (DS – III)

This is applicable for registered societies, for their residential colonies, having not less than 15 houses / flats in the colony. Residential colonies / multistoried residential complexes taking load in bulk at a single point with a minimum load of 2 kW per flat / house and maximum total load upto 70 kW.

## TARIFF RATES

### 1.0 Domestic Service

Sl.	Category of consumer	Fixed charge (Rs.)	Energy charge (Paisa/ Unit.)
1.1	<b>Kutir Jyoti - BPL Consumers</b>		
(i)	K.J. (Rural) - (Consumption upto 30 units per month)		
	<b>Unmetered</b>	Rs.50 / connection / per month	X

Sl.	Category of consumer	Fixed charge (Rs.)	Energy charge (Paisa/ Unit.)
	<b>Metered</b>	X	<b>150 Ps/ unit</b> Subject to Monthly Minimum Charge of Rs.40 per month per connection.
<b>(ii)</b>	K.J. (Urban)(consumption upto 30 units per month)		
	<b>Metered only</b>	X	<b>180 Ps/ unit</b> Subject to Monthly Minimum Charge of Rs.50 per connection per month.

Fuel and Power Purchase cost Adjustment (FPPCA) charges as applicable will be charged extra however the same shall be provided by the State Government support to consumers and will not be recovered from consumer.

Sl.	Category of consumer	Fixed Charge (Rs.)	Energy Charges	
			Consumption in a month (Units)	Rate P/unit
<b>1.2</b>	<b>DS – I : Connected load: Upto 2 kW only</b>			
	Unmetered	Rs.150/connection / per month	X	X
	Metered	X	First 50 units	180
			51-100 units	210
			Above 100 units	250
		X	Subject to Monthly Minimum Charge (MMC) of 1 <sup>st</sup> kW – 40 units per month 2 <sup>nd</sup> kW – 20 units per month	

Fuel and Power Purchase cost Adjustment (FPPCA) charges as applicable will be charged extra.

Sl.	Category of consumer	Fixed charge (Rs.)	Energy charges	
			Consumption in a month (Units)	Rate Ps/unit
<b>1.3</b>	<b>DS – II (Metered)</b>			
	<b>Single phase Up to 7 kW</b>	First kw-Rs.50/ month/connection Addl. kW-Rs.15 per kW or part thereof per month.	1-100 units	260
			101-200 units	320

effective from 1<sup>st</sup> April, 2012

Sl.	Category of consumer	Fixed charge (Rs.)	Energy charges	
			Consumption in a month (Units)	Rate Ps/unit
	<b>Three Phase 5 kW and above</b>	5 kW-Rs.230/ month/connection Addl. kW-Rs.15 per kW or part thereof per month	201-300 units	385
			Above 300 units	490
			Subject to monthly minimum charge for 1 <sup>st</sup> kW - 40 units per month Additional kW or part thereof - 20 units per month	

Fuel and Power Purchase Cost Adjustment (FPPCA) charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

#### OPTIONAL

#### Domestic - DS-II (D) – Demand Based

All consumers under DS-II category with 3 phase meter connection with contract demand between 5 kW and 70 kW opting for demand based tariff shall be required to pay at the rates indicated below:

Sl.	Category of consumer	Demand charge (Rs./kW/month)	Energy charges	
			Consumption in a month (Units)	Rate Ps/unit
<b>1.3.1</b>	<b>DS-II (D)-(OPTIONAL) Demand Based Tariff</b>			
	Contract demand of 5 kW to 70 kW	Rs. 60/kW per month or part thereof on recorded demand or contract demand whichever is higher.	1-100 units	260
			101-200 units	320
			201-300 units	385
			Above 300 units	490
Subject to (i) Monthly minimum charge of 50 units per month/kW on recorded demand or contract demand, whichever is higher. (ii) If in any month the recorded maximum demand exceeds 110% of the contract demand, that portion of the demand in excess of the contract demand will be billed at twice the normal rate.				

Fuel and Power Purchase Cost Adjustment (FPPCA) charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.



Sl.	Category of consumer	Fixed charge (Rs.)	Energy charges	
			Consumption in a month (Units)	Rate (Ps/unit)
<b>1.4</b>	<b>DS – III (Metered)</b>			
		Rs. 55/- kW/ month	All units	385
			Subject to monthly minimum charge For 1 <sup>st</sup> kW – 40 units / flat per month Additional kW or part there of– 20 units/flat per month	

FPPCA as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

## **2.0 NON-DOMESTIC SERVICE (NDS)**

### **Applicability**

This is applicable for supply of electrical energy for non-domestic consumers having sanctioned load up to 70 kW, using electrical energy for light, fan and power loads for non – domestic purposes like shops, hospitals, nursing homes, clinics, dispensaries, restaurants, hotels, clubs, guest houses, marriage houses, public halls, show rooms, centrally air-conditioning units, offices, commercial establishments, cinemas, X-ray plants, non – government schools, colleges, libraries and research institutes, boarding / lodging houses, libraries, railway stations, fuel/oil stations, service stations, All India Radio / T.V. installations, printing presses, commercial trusts, societies, banks, theatres, circus, coaching institutes, common facilities in multi-storeyed commercial office / buildings Government and semi–government offices, public museums and other installations not covered under any other tariff schedule.

Government educational institutions, their hostels and libraries, Government hospitals and government research institutions and non – profitable government aided educational institutions their hostels and libraries.

Non-profit recognized charitable cum public institutions.

Places of worship like temples, mosques, gurudwaras, churches etc. and burial / crematorium grounds.

### **2.1 Non – Domestic Service (NDS-I)**

Applicable to loads upto 2 kW in rural areas not covered by areas indicated under NDS – II and not being fed from urban / town feeders.

effective from 1<sup>st</sup> April, 2012

## TARIFF RATES – NDS - I

	Fixed charge (Rs.)	Energy charges	
		Consumption in a month (Units)	Rate ps/unit
<b>2.1</b>	<b>NDS- I</b>		
	<b>Unmetered</b>	Rs.200/connection/ per month	x
	<b>Metered</b>	x	1-100 units
		x	101-200 units
		x	Above 200 units
		x	Subject to monthly minimum charge of 50 units per kW

FPPCA charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area. .

### 2.2 Non – Domestic Service – NDS – II (Metered)

Applicable to loads upto 70 kW in urban areas covered by Notified Area Committees / Municipalities / Municipal Corporations / Regional Development Authorities / District and Sub – divisional towns / Block headquarters / Industrial areas / contiguous sub urban areas getting power from urban / town feeders, except those covered under NDS-III.

Rural consumers having sanctioned load above 2 kW will also come under this category.

## TARIFF RATES – NDS - II

Sl.	Fixed charge (Rs.) Per month	Energy charges	
		Consumption in a month (Units)	Rate ps/unit
<b>2.2</b>	<b>NDS - II</b>		
	<b>Single phase</b> Rs.180 /kW or part thereof upto 7 Kw	1-100 units	470
		101-200 units	500
		Above 200 units	540
	<b>Three Phase</b> Rs.200/kW or part thereof for loads of 5 kW and above		
		Subject to a monthly minimum charge of 50 units/kW or part thereof	

FPPCA charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

## OPTIONAL

### 2.2.1 Non-Domestic Service - NDS – II (D) – Demand Based

All those consumers under NDS-II with 3 phase supply and contract demand between 5 kW and 70 kW opting for demand based tariff shall be required to pay at the rates indicated below:

Sl.	Category of consumer	Demand charge (Rs./kW/month)	Energy charges	
			Consumption in a month (Units)	Rate ps/unit
<b>2.2.1</b>	<b>NDS-II (D) – (OPTIONAL) Demand Based Tariff</b>			
	Contract demand of 5 kW to 70 kW	Rs. 250/kW per month or part thereof on recorded demand or contract demand whichever is higher.	1-100 units	470
			101-200 units	500
			Above 200 units	540
Subject to				
(i) Monthly minimum charge of 70 units per month/kW on recorded demand or contract demand, whichever is higher.				
(ii) If in any month the recorded maximum demand exceeds 110% of contract demand, that portion of the demand in excess of the contract demand will be billed at twice the normal rate.				

Fuel and Power Purchase Cost Adjustment (FPPCA) charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

### 2.3 Non-Domestic Service - NDS – III (Metered)

This is applicable for places of worship like temples, mosques, gurudwaras, churches etc. and burial / crematorium grounds. If any portion of the premises is used for commercial purposes, a separate connection shall be taken for that portion and NDS-II tariff schedule shall be applicable for that service.

#### TARIFF RATES – NDS - III

Sl.	Fixed charge (Rs.)	Energy charges	
		Consumption in a month (Units)	Rate ps/unit
<b>2.3</b>	<b>NDS - III</b>		
	Rs.80 /kW with minimum of Rs.165 per connection / month	1-100 units	275
		101-200 units	350
		Above 200 units	430

effective from 1<sup>st</sup> April, 2012

Sl.	Fixed charge (Rs.)	Energy charges	
		Consumption in a month (Units)	Rate ps/unit
	For load upto 30 KW.	Subject to monthly minimum charge of 50 units/kW or part thereof.	

FPFCA charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

### OPTIONAL

#### 2.3.1 Non-Domestic Service - NDS – III (D) – Demand Based

All those consumers under NDS-III category with 3 phase supply and with contract demand between 5 kW and 30 kW opting for demand based tariff shall be required to pay at the rates indicated below:

Sl.	Category of consumer	Demand charge (Rs./kW)	Energy charges	
			Consumption in a month (Units)	Rate Ps/unit
<b>2.3.1</b>	<b>NDS-III (D) – (OPTIONAL) Demand Based Tariff</b>			
	Contract demand of 5 kW to 30 kW	Rs. 80/kW per month or part thereof on recorded demand or contract demand whichever is higher.	1-100 units 101-200 units Above 200 units	275 350 430
Subject to				
(i) Monthly minimum charge of 70 units per month/kW on recorded demand or contract demand, whichever is higher.				
(ii) If in any month the recorded maximum demand exceeds 110% of contract demand, that portion of the demand in excess of the contract demand will be billed at twice the normal rate.				

Fuel and Power Purchase Cost Adjustment (FPPCA) charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

### 3.0 IRRIGATION and AGRICULTURE SERVICE (IAS)

#### Applicability

This is applicable for supply of electrical energy for bonafide use for agricultural purposes including processing of Agricultural Produce, confined to chaff - cutter, thrasher, cane crusher and rice Huller when operated by the agriculturist in the field or

farm and does not include rice mills, flour mills, oil mills, dal mills or expellers. This is also applicable to hatcheries, poultries (with more than 1000 birds) and fisheries (fish ponds).

### **3.1 IAS - I**

This is applicable for all purposes indicated above including private tube wells.

#### **Tariff Rates**

##### **Unmetered Supply**

Rural feeder - Rs.120 / HP per month

Urban feeder - Rs.145 /HP per month

**Note: Hatcheries, poultries and fisheries are not covered under unmetered supply they have to be metered only.**

##### **Metered supply**

*Rural feeder*

Energy Charges– 100 Ps/unit

*Urban feeder*

Energy Charges– 150 Ps/unit

Subject to monthly minimum energy charges of

Rural feeder - Rs. 85/HP per month

Urban feeder - Rs.130/HP per month

Fuel and Power Purchase cost Adjustment (FPPCA) charges as applicable will be charged extra however the same shall be provided by the State Government support to consumers and will not be recovered from consumer.

### **3.2 IAS – II**

This is applicable to state tube wells / state lift irrigation pumps / state irrigation pumps upto 100 HP.

## Unmetered Supply

Rural feeders - Rs.900 /HP per month

Urban feeders - Rs.1000/HP per month

## Metered supply

*Rural feeder*

Energy Charges– 600 Ps/unit

*Urban feeder*

Energy Charges– 700 Ps/unit

Subject to a monthly minimum energy charge of 225 units /HP per month.

FPPCA charges as applicable will be charged extra.

## 4.0 LOW TENSION INDUSTRIAL SERVICE (LTIS)

### Applicability

This is applicable for supply of electricity to low tension industrial consumers with a connected load upto 99 HP and below including incidental lighting for industrial processing or agro – industries purposes, arc welding sets, flour mills, oil mills, rice mills, dal mills, atta chakki, Huller, expellers etc.

### 4.1 LTIS-I (Connected load upto 25 HP)

#### TARIFF RATES for LTIS - I

	Fixed charge (Rs.)	Energy charges	
		Consumption in a month (Units)	Rate (ps/unit)
<b>4.1</b>	<b>LTIS-I (Connected load upto 25 HP)</b>		
	Rs.85/HP or part thereof / per month	All units	495
		Subject to monthly minimum charge of 70 units/HP or part thereof.	

FPPCA charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

## OPTIONAL

### 4.1.1 LTIS-I (D) Contracted demand 5 kW to 15 kW - Demand Based Tariff

All those consumers under LTS-I category with 3 phase supply and with contract demand 5 kW to 15 kW opting for demand based tariff shall be required to pay at the rates indicated below:

Sl.	Category of consumer	Demand charge (Rs./kW)	Energy charges	
			Consumption in a month (Units)	Rate Ps/unit
<b>4.1.1</b>	<b>LTIS-I (D) (Demand Based Tariff) (OPTIONAL)</b>			
	Contract demand 5 kW to 15 kW	Rs. 170/kW per month or part thereof on recorded demand or contract demand whichever is higher.	All units	495
Subject to (i) Monthly minimum charge of 125 units per month/kW on recorded demand or contract demand, whichever is higher. (ii) If in any month the recorded maximum demand exceeds 110% of contract demand, that portion of the demand in excess of the contract demand will be billed at twice the normal rate.				

Fuel and Power Purchase Cost Adjustment (FPPCA) charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

### 4.2 LTIS-II (Connected load above 25 HP and upto 99 HP)

Sl.	Fixed charge (Rs.)	Energy charges	
		Consumption in a month (Units)	Rate (Ps/unit)
<b>4.2</b>	<b>LTIS-II (Connected load above 25 HP and upto 99 HP)</b>		
	Rs.110/HP or part thereof per month	All units	530
Subject to monthly minimum charge of 100 units/HP or part thereof.			

FPPCA charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

Consumers with a connected load above 79 HP and upto 99 HP have option to avail power under LTIS / HTS category.

### OPTIONAL

#### 4.2.1 LTIS-II (D) (Contract demand above 15 kW and upto 70 kW – Demand Based Tariff)

All those consumers under LTS-II category with 3 phase supply and with contract demand above 15 kW and upto 70 kW opting for demand based tariff shall be required to pay at the rates indicated below:

	Category of consumer	Demand charge (Rs./kW)	Energy charges	
			Consumption in a month (Units)	Rate Ps/unit
<b>4.2.1</b>	<b>LTIS-II (D)(Demand Based Tariff) (OPTIONAL)</b>			
	Contract demand above 15 kW and upto 70 kW	Rs. 195/kW per month or part thereof on recorded demand or contract demand whichever is higher.	All units	530
Subject to (i) Monthly minimum charge of 180 units per month/kW on recorded demand or contract demand, whichever is higher. (ii) If in any month the recorded maximum demand exceeds 110% of contract demand, that portion of the demand in excess of the contract demand will be billed at twice the normal rate.				

Fuel and Power Purchase Cost Adjustment (FPPCA) charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.



## 5.0 PUBLIC WATERWORKS (PWW) (Connected load upto 99 HP)

### Applicability

This is applicable to public water works, sewerage treatment plant and sewerage pumping stations functioning under state government and state government under takings and local bodies.

Sl.	Fixed charge (Rs.)	Energy charges	
		Consumption in a month (Units)	Rate (Ps/unit)
5.0	<b>PUBLIC WATERWORKS (PWW)</b> (Connected load upto 99 HP)		
	Rs. 190/HP or part thereof per month	All units	650
		Subject to monthly minimum charge of 165 units / HP or part thereof.	

FPPCA charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

Consumers with a connected load above 79 HP and upto 99 HP have the option to avail power under PWW / HTS category.

## 6.0 STREET LIGHT SERVICES (SS)

### Applicability

This is applicable for supply of electricity for street light system including signal system in corporation, municipality, notified area, committees, panchayats etc. and also in areas not covered by municipality and notified area committee provided the number of lamps from a point of supply is not less than five. Also applicable for Traffic Lights, Mast lights / Blinkers etc.

### Tariff Rates

#### 6.1 SS-I Metered Supply

All units – 650 Ps. /unit

#### Subject to monthly minimum charge of:-

- i) Gram Panchayats – 160 units / kW or part thereof
- ii) For Nagar Palika / NAC / Municipality – 220 units / kW or part thereof

iii) For Municipal Corporations – 250 units / kW or part thereof

FPPCA charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

## **6.2 SS-II Unmetered Supply**

### **Fixed Charges**

i) Gram Panchayats – Rs. 250 per 100 W/month or part thereof

ii) For Nagar Palika / NAC / Municipality – Rs. 325 per 100 W/month or part thereof

iii) For Municipal Corporations – Rs. 400 per 100 W/month or part thereof

FPPCA charges as applicable will be charged extra.

Premium tariff will be charged as applicable in notified area.

## TERMS AND CONDITIONS OF LOW TENSION TARIFF

The foregoing tariffs are subject to the following conditions:

### 1. Rebate for prompt payment

The due date for making payment of energy bills or other charges shall be 15 days from the date of issue of the bill. Rebate will be allowed for making payment of energy bills on or before due date specified in the bill as given below:

i.	Kutir Jyoti (Unmetered)	Rs.2/- per connection per month.
ii.	DS-I and NDS-I (Unmetered)	Rs.3/- per connection per month.
iii.	Agricultural and Irrigation pump sets (Unmetered)	Rs.5/- per HP/month
iv.	Street Lights (Unmetered)	Rs.3/- per connection/month
v.	All metered categories	10 paise per unit, on units billed

In case a consumer makes full payment after due date but within 10 days after the due date, no DPS shall be leviable for this period but rebate for prompt payment will not be admissible.

### 2. Accounting of Partial payment

All payment made by consumers in full or part shall be adjusted in the following order of priority:

- a) Statutory taxes and duties on current consumption
- b) Arrear of Statutory taxes and duties
- c) Delayed payment surcharge
- d) Balance of arrears
- e) Balance of current bill

### 3. Delayed Payment Surcharge (DPS)

In case a consumer does not pay energy bills in full within 10 days grace period after due date specified in the bill, a delayed payment surcharge of one and half (1.5) percent per month or part thereof on the outstanding principal amount of bill will be levied from the due date for payment until the payment is made in full without prejudice to right of the licensee to disconnect the supply in accordance with Section 56 of the Electricity Act, 2003. The licensee shall clearly indicate in the bill itself the total amount, including DPS,

payable for different dates after the due date after allowing for the grace period of 10 days. No DPS shall be charged on DPS arrear. The bill shall indicate the energy charges for the month, arrears of energy charges and DPS separately.

#### **4. Duties and Taxes**

Other statutory levies like electricity duty or any other taxes, duties etc., imposed by the State Government / Central Government or any other competent authority, shall be extra and shall not be part of the tariff as determined under this order.

#### **5. Defective / Damaged / Burnt meters supply**

In case of meter being defective / damaged / burnt the Board or the consumer as the case may be, shall replace it within the specified period prescribed in "Standards of Performance for Distribution Licensee", Regulations issued by the Commission.

Till defective / damaged / burnt meter is replaced, the consumption will be assessed and billed on an average consumption of last 12 months from the date of meter being out of order. Such consumption shall be treated as actual consumption for all practical purposes including calculation of electricity duty until the meter is replaced/rectified.

In cases of newly installed meter of a consumer becoming defective/ damaged/ burnt after installation of the meter prior to completion of 12 months since its installation, the billing for the period for such defective/ damaged/ burnt meter, till it is not replaced, shall be done on the basis of average monthly consumption of the consumer or the MMC whichever is higher.

#### **6. Shunt Capacitor Installation**

- a) Every LT consumer including irrigation pump set consumers whose connected load includes induction motor (s) of capacity 3 HP and above and other low power factor consuming appliances shall arrange to install low tension shunt capacitors of appropriate capacity at his cost across terminals of his motor (s). The consumer shall ensure that the capacitors installed by him are properly matched with the actual rating of the motor so as to ensure power factor of 90%.
- b) All LT consumers having welding transformers will be required to install suitable shunt capacitor (s) of adequate capacity so as to ensure power factor of not less than 90%.
- c) The capacitors shall be of standard manufacture and meet the Bureau of Indian Standards specification.

- d) Consumers not complying to above shall be liable to pay a surcharge of 5% (five percent) of the billed amount excluding DPS till the capacitors are installed.
- e) Any LT consumer in whose case, the meter installed has power factor recording feature and who fails to maintain power factor of 90% in any month shall pay a surcharge of 5% (five percent) of the billed amount excluding DPS till the defective capacitors are replaced and power factor of 90% is maintained.
- f) No new supply to LT installations having low power factor consuming equipment such as induction motor of 3 HP and above or welding transformers etc., will be released unless shunt capacitors are installed to the satisfaction of the Board.
- g) The ratings of shunt capacitor to be installed on the motors of different ratings are provided in the "Electric Supply Code" notified by the Commission.

#### **6. Premium on Consumers in notified areas**

All LT consumers except Kutir Jyoti and Agricultural consumers in the notified areas where BSEB intends to supply electricity close to 24 hours shall pay 10% premium on demand/fixed and energy charge and in MMC.

It may be ensured that transmission and distribution network including other infrastructure required to ensure close to 24 hours supply to the notified areas are strengthened. Strengthening of infrastructure may include interalia strengthening / replacement of weak conductors, transformers and other electrical equipments installed for supplying electricity to the notified areas, provision of appliances and spares and keeping technical teams ready round the clock for rectifying defects leading to disruption of supply in these areas. A few telephones should be kept operational for each notified area which should be manned round the clock for receiving and responding to the complaints. These telephone numbers should be widely publicised in the newspapers for the information of general public. BSEB must ensure these steps for ensuring close to 24 hours supply of electricity to the notified areas.

Such areas where BSEB intends to strengthen the infrastructure and provide facilities as mentioned above and to supply electricity close to 24 (twenty four) hours shall be notified by BSEB and premium shall be levied after notification of such area by BSEB. The continuous supply shall mean the normal supply for nearly 24 hours excluding the grid failure, any force majeure condition, scheduled shut down and emergent breakdown beyond the control of BSEB.

## **7. Charges to Tatkal Connections (Optional)**

If the any consumer (other than High Tension and Railway) opts for availing connection under tatkal scheme, the Board shall release the tatkal connection to such consumer with the following conditions:

- The Tatkal connections shall be released by BSEB in half the time limit prescribed in the Supply code for that consumer category.
- Two (2) times of the following charges approved under head miscellaneous and general charges will be taken from the consumers willing to avail tatkal connection:
  - Application fees for new connection, and;
  - Supervision, labour and establishment charge for service connection
- In case BSEB fails to release connection within this time limit, BSEB will refund the additional amount claimed to the consumer in the first energy bill.

## PART - B: HIGH TENSION SUPPLY

### 7.1 HTS – I (11 kV/6.6 kV)

Applicable for supply of electricity for use in installations with a minimum contract demand of 75 kVA and maximum contract demand of 1500 kVA.

Character of service: AC, 50 cycles, 3 phase at 11 kV or 6.6 kV.

#### TARIFF RATES

Demand charge Rs./ kVA / Month of billing demand	Energy charges Paise / kWh
270	All units – 535

- (i) The billing demand shall be the maximum demand recorded during the month or 85% of the contract demand whichever is higher.
- (ii) Surcharge of 7.5% will be levied on the demand and energy charges for supply at 6.6 kV.
- (iii) If in any month the recorded maximum demand exceeds 110% of contract demand, that portion of the demand in excess of the contract demand will be billed at twice the normal charges.

#### Premium on HTS-I consumers in notified areas

All HTS-I consumers in the notified areas where BSEB intends to supply close to 24 hours shall pay 10% premium on demand/fixed and energy charge.

It may be ensured that transmission and distribution network including other infrastructure required to ensure close to 24 hours supply to the notified areas are strengthened. Strengthening of infrastructure may include interalia strengthening / replacement of weak conductors, transformers and other electrical equipments installed for supplying electricity to the notified areas, provision of appliances and spares and keeping technical teams ready round the clock for rectifying defects leading to disruption of supply in these areas. A few telephones should be kept operational for each notified area which should be manned round the clock for receiving and responding to the complaints. These telephone numbers should be widely publicised in the newspapers for the information of general public. BSEB must ensure these steps for ensuring close to 24 hours supply of electricity to the notified areas.

Such areas where BSEB intends to strengthen the infrastructure and provide facilities as mentioned above and to supply electricity close to 24 (twenty four) hours shall be notified by BSEB and premium shall be levied after notification of such area by BSEB. The continuous supply shall mean the normal supply for nearly 24 hours excluding the grid failure, any force majeure condition, scheduled shut down and emergent breakdown beyond the control of BSEB.

FPPCA charges as applicable shall be charged extra.

## 7.2 HTS – II (33 kV)

This is applicable for use in installations with a minimum contract demand of 1000 kVA and maximum contract demand of 15,000 kVA.

Character of service: AC, 50 cycles, 3 phase at 33 kV.

### TARIFF RATES

Demand charge Rs. / kVA / Month of billing demand	Energy charges (Paise / unit)
270	All units - 520

- (i) The billing demand shall be the maximum demand recorded during the month or 85% of the contract demand whichever is higher.
- (ii) If in any month the recorded maximum demand exceeds 110% of contract demand, that portion of the demand in excess of the contract demand will be billed at twice the normal charges.

FPPCA charges as applicable shall be charged extra.

## 7.3 HTS – III (132 kV)

This is applicable for installations with a minimum contract demand of 7.5MVA.

Character of service: AC, 50 cycles, 3 phase at 132 kV

### TARIFF RATES

Demand charge Rs. / kVA / Month of billing demand	Energy charges (Paise / unit)
270	All units – 510



- (i) The billing demand shall be the maximum demand recorded during the month or 85% of the contract demand whichever is higher.
- (ii) If in any month the recorded maximum demand of the consumer exceeds 110% of the contract demand, that portion of the demand in excess of the contract demand will be billed at twice the normal charges.

FPPCA charges as applicable shall be charged extra.

#### 7.4 HTSS (33 kV/11 kV)

This is applicable for supply of electricity to all consumers who have contract demand of 300 kVA and more for induction furnace including Ferro Alloy loads. This tariff will not apply to casting units having induction furnace of melting capacity of 500 Kg and below.

The capacity of induction furnace shall be 600 kVA per metric tonne as existing for determining the contract demand of induction furnace in the existing HTSS service connections. However, for new connection and if the furnace is replaced with a new one for the existing connections, the contract demand shall be based on total capacity of the furnace and equipment as per manufacturer technical specifications, and in case of difference of opinion, the provisions of clause Nos. 6.39 and 6.40 of the Bihar Electricity Supply Code shall apply.

Those consumers who are having rolling/re-rolling mill in the same premises will take additional contract demand for the rolling/re-rolling mill over and above the contract demand required for induction furnace. The consumer will have the option to segregate the rolling/re-rolling mill and take separate new connection following all prescribed formalities with a separate transformer. This new connection, if taken by the consumer will be allowed to be billed in appropriate tariff schedule. Such rolling/re-rolling mill will be allowed to avail power at 33 kV.

Character of service: **AC, 50 cycles, 3 phase at 33 kV or 11kV.**

#### TARIFF RATES

Demand charge Rs. / kVA / Month of billing demand	Energy charges (Paise / unit)
700	All units 270

- (i) The billing demand shall be the maximum demand recorded during the month or the contract demand whichever is higher.

(ii) If in any month the recorded maximum demand of the consumer exceeds 110% of contract demand that portion of the demand in excess of the contract demand will be charged at twice the normal charges.

(iii) If the power is availed at 11 kV a surcharge of five (5) % will be charged extra on demand and energy charges.

FPPCA charges as applicable shall be charged extra.

## 8.0 Railway Traction Service (RTS)

Applicable to Railway Traction loads only.

### Tariff rates at 132 kV

Demand charge Rs. / kVA / Month of billing demand	Energy charges (Paise / unit)
240	All units 520

(i) 15 Ps/unit of rebate will be provided for availing supply at voltages higher than 132 kV

(ii) 15 Ps/unit of surcharge will be billed for availing supply at lower voltages than 132 kV.

(iii) The billing demand shall be the maximum demand recorded during the month or 85% of the contract demand whichever is higher.

FPPCA charges as applicable shall be charged extra.

### Time of Day tariff (ToD)

All HT consumers other than Railway traction have the option to take TOD tariff instead of the normal tariff given in the schedule.

Under the Time of Day (ToD) Tariff, electricity consumption and maximum demand in respect of HT consumers for different periods of the day, i.e. normal period, peak load period and off-peak load period, shall be recorded by installing a ToD meter. The maximum demand and consumption recorded in different periods shall be billed at the following rates on the tariff applicable to the consumer.

Time of use	Demand Charges	Energy Charges
(i) Normal period (5:00 a.m. to 5:00 p.m)	Normal Rate	Normal rate of energy charges

(ii) Evening peak load period (5:00 p.m to 11.00 p.m)	Normal Rate	120% of normal rate of energy charges
(iii) Off-peak load period (11:00 p.m to 5:00 a.m)	Normal Rate	85% of normal rate of energy charges

Applicability and Terms and Conditions of TOD tariff:

- (i) TOD tariff will be optional for all HT consumers having contract demand below 200 kVA. TOD tariff will be mandatory for all HT consumers having contracted demand of 200 kVA and above.
- (ii) The facility of aforesaid TOD tariff shall not be available to HT consumers having captive power plants and/or availing supply from other sources through wheeling of power.
- (iii) The HT industrial consumers who have installed standby generating plants shall also be eligible for the aforesaid TOD tariff.
- (iv) After electing TOD tariff, if any industrial HT consumer on account of some reasons wants to go back to the earlier tariff according to the agreement, this facility shall be available to him only once in two years.
- (v) If the actual monthly consumption of such HT consumer, whose monthly minimum charges are based on units, is less than minimum consumption, then the difference (deficit) of units between the minimum consumption and actual consumption shall be billed at normal rate of energy charge prescribed for "Normal Period".
- (vi) In the event of applicability of TOD tariff to a consumer, the terms and conditions of the applicable tariff (such as monthly tariff minimum charge, etc.) shall continue to apply.
- (vii) In case, the consumer exceeds 110% of the contract demand, the demand in excess of contract demand shall be billed at twice the normal tariff applicable for the day time i.e. 5:00 a.m. to 5.00 p.m. irrespective of the time of use.

## TERMS AND CONDITIONS OF HT TARIFF

The foregoing tariffs are subject to the following conditions:

**1. Rebate for Prompt Payment**

The due date for making payment of energy bills or other charges shall be 15 days from the date of issue of the bill.

The tariff rates are subject to prompt payment rebate of 1 (one) paise per unit on units billed provided the bill is paid by due date specified therein. If the consumer makes full payment after due date but within 10 days after due date, no DPS shall be leviable for this period but rebate for prompt payment will not be admissible.

**2. Delayed Payment Surcharge (DPS)**

In case of consumer does not pay energy bills in full within 10 days grace period after due date specified in the bill, a delayed payment surcharge of one and half (1.5) % per month or part thereof on the outstanding principal amount of bill will be levied from the original due date for payment until the payment is made in full without prejudice to right of the licensee to disconnect the supply in accordance with Section 56 of the Electricity Act, 2003. The licensee shall clearly indicate in the bill itself the total amount, including DPS, payable for different dates after the due date after allowing for the grace period of 10 days. No DPS shall be charged on DPS arrear.

**3. Duties and Taxes**

Other statutory levies like electricity duty or any other taxes, duties etc., imposed by the State Government / Central Government or any other competitive authority, shall be extra and shall not form part of the tariff as determined under this order.

**4. Power Factor Surcharge**

The average power factor (monthly) of the supply shall be maintained by the consumer not less than 0.90.

If the monthly average power factor falls below 90% (0.9) he shall pay a surcharge in addition to his normal tariff at the following rates:

(i) For each fall of 0.01 in power factor upto 0.80	One percent on demand and energy charge
(ii) For each fall of 0.01 in power factor below 0.80	1.5 (one and half) percent on demand and energy charge (Actual Recorded)

effective from 1<sup>st</sup> April, 2012

If the average power factor falls below 0.70 consecutively for 3 months, the Board reserves the right to disconnect the consumer's service connection without prejudice for the levy of the surcharge.

## 5. Power Factor Rebate

In case the average power factor (monthly) of the consumer is more than 90% (0.90) a power factor rebate at the following rates shall be allowed.

For each increase of 0.01 in power factor above 0.90 upto 0.95	0.5 (half) percent on demand and energy charge (Actual Recorded)
For each increase of 0.01 in power factor above 0.95	1.0 (one) percent on demand and energy charges. (Actual Recorded)

## 6. Accounting of Partial payment

All payment made by consumers in full or part shall be adjusted in the following order of priority:

- a) Statutory taxes and duties on current consumption
- b) Arrear of Statutory taxes and duties
- c) Delayed payment surcharge
- d) Balance of arrears
- e) Balance of current bill

## 7 Transformer Capacity

The transformer capacity of HT consumer shall not be more than 150% of the contract demand, consumer found to be utilizing transformer of higher capacity than admissible for his contracted load, will fall under malpractice.

If standard capacity is not available for exact requirement then relaxation in transformer capacity upto 10% extra can be allowed in individual cases on request.

All HT/EHT consumers having contract demand of 200 kVA and above may be allowed to have a stand by transformer, whose capacity shall not be more than the main transformer. The technical/physical arrangement shall be approved by the Board's officer before it is installed. If any consumer violates the condition, then line will be disconnected and standby facility shall be withdrawn. Considering the special need of the Railway, the RTS consumer may be allowed to have 100% extra i.e. 200% of the

contract demand. Stand by transformer may also be allowed, which should not be more than the capacity of the main transformer.

## **8 Defective / Damaged / Burnt meter replacement**

In case of meter being defective / damaged / burnt the Board or the consumer as the case may be shall replace the same within the period specified in "Standards of Performance for Distribution Licensee" Regulations issued by the Commission. Till defective meter is replaced the consumption will be assessed and billed on an average consumption of last 12 months from the date of meter being out of order. Such consumption shall be treated as actual consumption for all practical purposes including calculation of electricity duty until the meter is replaced/rectified.

In cases of newly installed meter of a consumer becoming defective/ damaged/ burnt after installation of the meter prior to completion of 12 months since its installation, the billing for the period for such defective/ damaged/ burnt meter, till it is not replaced, shall be done on the basis of average monthly consumption of the consumer or the MMC whichever is higher..

9. If the actual recorded demand of a consumer exceeds 110% consecutively for three months Board may issue a notice and inform the consumer to get additional contract demand sanctioned or to limit their drawl as per their contract. Otherwise Board will take action as per provisions of the Act/Rules/Regulations.
10. The prevailing practice will continue for determining the contract demand of induction furnaces in the existing services connections. However, for new connections and where the furnaces are replaced in existing connections, contract demand shall be based on the total capacity of the furnace and equipment as per manufacturer technical specifications and in case of difference of opinion, the provisions of clause No.6.39 and 6.40 of Bihar Electricity Supply Code shall apply.
11. The Government of Bihar had issued "Industrial Incentive Policy Bihar-2006" in order to create favourable environment and accelerated industrial growth of the State.  
The Policy states -  
**(a) Existing and New Units:***"Working units at present and new units will avail exemption from AMG/MMG from the date of declaration of the New Industrial Policy. The facility will be granted for a period of five years"*

**(b) Sick units:**

*The following facilities are provided to sick units.*

*Exemption from Annual Minimum Guarantee (AMG), Monthly Minimum Guarantee (MMG) and Delayed Payment Surcharge (DPS) would be available to the unit from the date of declaration of the unit as sick unit. This facility would be admissible for a period of five years.*

The Board shall comply with the Industrial Policy of Government of Bihar and its subsequent revisions if any till the time it remains applicable. Such Industrial Policy shall be extended to other eligible consumers who are covered under this Policy.

**9.0 Temporary Supply (LT and HT)**

**9.1 Applicability**

This tariff is for connection of temporary in nature for period of less than one year. The applicability shall be as given in the respective category tariff rate schedule.

Temporary supply cannot be claimed by a prospective consumer as a matter of right but will normally be arranged by the Board when a requisition is made giving due notice subject to technical feasibility and in accordance with electricity supply code issued by the Commission.

**9.2 Tariff**

Fixed charge and energy charge shall be chargeable at one and half times the normal tariff as applicable to the corresponding appropriate tariff category.

**9.3 Terms of Supply**

- a) Temporary supply under any category of service may be given for a period not exceeding 30 days in the first instance, the duration of which, however may be extended on month-to-month basis subject to maximum of one year.
- b) In addition to the charges mentioned above, the consumer shall have to deposit the following charges before commencement of the temporary supply:
  - (i) Estimated cost of erection of temporary service line and dismantling.
  - (ii) Cost of irretrievable materials which cannot be taken back to service.

- (iii) Meter rent for the full period of temporary connection as per appropriate Tariff Schedule and miscellaneous charges.
  - (iv) Rental on the cost of materials as per estimate framed but not payable by the consumer shall be payable at the rate of Rs. 15/- per month on every Rs. 100/- or part thereof.
  - (v) Ten per cent on the total cost of the estimate for the temporary service connection to cover as security for loss of materials and contingencies. In case such loss is not noticed, the amount will be refunded.
- c) The applicants for temporary supply shall be required to make a deposit in advance of the cost as detailed above including the energy consumption charges estimated for full period on the basis of connected load. This will however, be adjusted against the final bill that will be rendered on disconnection of supply month to month basis.
- d) If the consumer intends to extend the temporary supply beyond the period originally applied for, he will have to deposit in advance all charges as detailed above including the estimated electricity consumption charges, for the period to be extended and final bill for the previous period, as well.
- e) The temporary supply shall continue as such and be governed by the terms and conditions specified above until the supply is terminated or converted into permanent supply at the written request of the consumer. The supply will be governed by the terms and conditions of permanent supply only after the consumer has duly completed all the formalities like execution of agreement, deposit of security money, cost of service connection and full settlement of the account in respect of the temporary supply etc.

#### 10.0 Seasonal Supply (LT and HT)

1. Seasonal supply shall be given to any consumer on written request to the Board subject to the following conditions.

	<b>Period of Supply</b>	<b>Tariff Rate</b>
1.	Upto 3 consecutive months in a year	Appropriate tariff plus 30 percent
2.	More than 3 consecutive months and upto 6 consecutive months in a year	Appropriate tariff plus 20 percent
3.	More than 6 consecutive months and upto 9 consecutive months in a year	Appropriate tariff plus 15 percent
4.	More than 9 consecutive months but less than one year	Appropriate tariff plus 5 percent.

2. The meter rent and other charges as provided in the appropriate tariff are applicable to seasonal loads and would be charged extra for the entire period of supply.



3. The supply would be disconnected after the end of the period unless the consumer wants the supply to be continued.

Any reconnection charges have to be borne by the consumer.

4. Consumer proposing to avail seasonal supply shall sign an agreement with the Board to avail power supply for a minimum period of 3 years in the case of HT, and 2 years in the case of LT category of supply.
5. The consumers must avail supply in terms of whole calendar month continuously.
6. The consumer is required to apply for seasonal supply and pay initial cost and security deposit as an applicant for normal electricity supply.
7. The consumer shall ensure payment of monthly energy bills within 7 days of its receipt. The supply will be disconnected if payment is not made on due date.

## PART - C: MISCELLANEOUS AND GENERAL CHARGES

**11.0** The Miscellaneous and General charges approved by the Commission are as below:

### 11.1 Meter Rent

Particulars	Applicable Charges
Kutir Jyoti	Rs.10/month
a) Single Phase LT except Kutir Jyoti	Rs. 20/month
b) Three Phase LT Upto 100 Amps	Rs. 50/month
c) LT meter with CT	Rs. 500 / month
d) 6.6 kV and 11 kV HTS-I (i) Metering at low voltage (ii) Metering at 6.6/11 kV	Rs. 500 / month Rs. 700 / month
e) 33 kV HT metering equipment for HTS-II and HTSS	Rs. 3000 / month
f) 132 kV EHT metering equipment for HTS-III	Rs. 15000 / month
g) 25 kV RTS	Rs.3000/month
h) 132 kV RTS	Rs.15000/month

**11.2 Application fee for new connection / reduction of load / enhancement of load / request for permanent disconnection/ request for tatkal connection:**

No.	Category / class	Rate
(i)	Kutir Jyoti	Rs.20.00
(ii)	LT Single phase except Kutir Jyoti	Rs. 75.00
(iii)	LT Three phase	Rs. 200.00
(iv)	LT Industrial	Rs. 300.00
(v)	HT Connection	Rs. 750.00
(vi)	For tatkal connection	Two (2) times the normal rate

**11.3 Testing / Inspection of consumer's installation:**

No.	Category / class	Rate
(i)	Initial Test / Inspection	Free of cost
(ii)	Subsequent test and inspection necessitated by fault in	Rs. 100.00 for single phase connection

No.	Category / class	Rate
	installation or by not complying with terms and conditions of supply	Rs. 200.00 for three phase LT connection Rs.800for HT connection.

#### 11.4 Meter Testing Fee:

No.	Category / class	Rate
(i)	Single Phase meter (L.T.)	Rs. 100.00
(ii)	Three Phase meter (L.T.)	Rs. 200.00
(iii)	Three Phase meter with CT	Rs. 300.00
(iv)	Trivector and special type meter	Rs. 1800.00
(v)	33 kV or 11 kV metering equipment	Rs. 5000.00
(vi)	132 kV/220 kV metering equipment	Rs. 8000.00

If the meter is tested at third party testing laboratory at the request of the consumer then the fees charged by the testing laboratory will be payable by the consumer.

#### 11.5 Removing / Re-fixing / Changing of Meter / Meter Board at consumer's request:

No.	Category / class	Rate	
(i)	Single Phase meter	Rs. 200.00	Cost of material, as required, will be borne by the consumer
(ii)	Three Phase meter	Rs. 400.00	
(iii)	Three Phase meter with CT	Rs. 500.00	
(iv)	Trivector and special type meter	Rs. 600.00	
(v)	High tension metering equipment	Rs. 1200.00	

#### 11.6. Reconnection charge:

Sl.No .	Category/class	Rate
(i)	Single Phase supply, LT	Rs. 100.00
(ii)	Three Phase supply other than LT industrial	Rs. 200.00
(iii)	Three Phase LT industrial supply	Rs. 900.00
(iv)	HT supply	Rs. 3000.00

**11.7 Supervision, Labour and Establishment charge for service connection:**

Sl.No.	Category/class	Rate
(i)	Single Phase LT	Rs. 400.00
(ii)	Three Phase LT other than industrial	Rs. 900.00
(iii)	Three Phase industrial	Rs. 1500.00
(iv)	HT	As per approved estimate
(v)	For tatkal connection	Two (2) times the normal rate

**11.8 Security Deposit:**

- (a) The consumer (except Kutir Jyoti rural and Kutir Jyoti urban) shall pay initial security deposit equivalent to the estimated energy charges including fixed / demand charges for a period of two months or as per the provisions of Bihar Electricity Supply Code notified by the Commission.
- (b) All Central Government and State Government departments are exempted from payment of security deposit. However all public sector undertakings and local bodies shall pay security deposit, as applicable.
- (c) The amount of security deposit obtained from the consumer is liable to be enhanced every year, in April-May of next year on the basis of consumption during previous years or as specified in clause 7.15 of Bihar Electricity Supply Code. In default of payment of additional security deposit, wherever payable after review, the service line may be disconnected on serving thirty days notice and connection thereafter can be restored only if the deposit is made in full along with the prescribed reconnection charges and surcharge @1.5% per month or part thereof on the amount of outstanding.

**11.9 Interest on Security Deposit**

Security deposit made by a consumer shall bear interest as specified in Bihar Electricity Supply Code, payable at Bank rate notified by RBI from time to time. The interest will be calculated for full calendar months only and fraction of a month in which the deposit is received or refunded, shall be ignored. The interest for the period ending 31<sup>st</sup> March shall be adjusted and allowed to the consumer in the energy bill for May issued in June and in subsequent month (s), if not adjusted completely against the bill for the month of May.

**12.0** The other terms and conditions of supply of electricity not specially provided in this tariff order will continue to be regulated by the provisions specified in the Bihar Electricity Supply Code notified by the Commission.

## PART D: FORMULA FOR FUEL AND POWER PURCHASE COST ADJUSTMENT

The approved fuel and power purchase cost adjustment (FPPCA) formula is given below:

$$\text{FPPCA (Paise / kWh)} = \frac{\text{Qc}(\text{RC2}-\text{RC1})+\text{Qo}(\text{RO2}-\text{RO1})+\text{QPp}(\text{Rpp2}-\text{Rpp1})}{(\text{QPg} + \text{QPp}) \times (1-\text{L})} \times 100$$

### Where,

- Qc = Quantity of coal consumed during the adjustment period (in M.T)  
= (SHR x QPg) (1+TSL)x1000 / GCV
- RC1 = Weighted average rate of coal supplied ex-power station coal yard as approved by the Commission for the adjustment period in Rs. / M.T
- RC2 = Weighted average rate of the coal supplied ex-power station coal yard as per actual for the adjustment period in Rs. / M.T
- Qo = Quantity of oil (in KL) consumed during the adjustment period  
Generation (in MU) X Specific oil consumption approved by the  
= Commission (ml. / kWh)
- RO1 = Weighted average rate of oil ex-power station (in Rs./KL) approved by the Commission for the adjustment period
- RO2 = Weighted average actual rate of oil ex-power station supplied (in Rs. / KL) during the adjustment period
- QPp = Power purchased from different sources and fed into Board's system (in MUs)
- Rpp1 = Average rate of power purchase as approved by the Commission (in Rs. / kWh)
- Rpp2 = Average rate of power purchased during the adjustment period (in Rs. / kWh)
- QPg = Board's own power generation (in MUs) at generator terminal – approved auxiliary consumption
- L = T & D loss as approved by the Commission or actual, whichever is lower.
- SHR = Station Heat Rate as approved by the Commission.
- TSL = Transit and Stacking Loss as approved by the Commission.
- GCV = Weighted average gross calorific value of coal fired at boiler front during the adjustment period (in Kcal / Kg)

**Note:**

- 1) Amount of variable charges on account of change of cost of unknown factors like water charges, taxes or any other unpredictable and unknown factors not envisaged at the time of tariff fixation subject to prior approval of the Commission
- 2) Adjustment, if any, to be made in the current period to account for any excess / shortfall in recovery of fuel or power purchase cost in the past adjustment period, subject to the approval of the Commission.
- 3) While charging the FPPCA in the energy bills, the consumption and rate at which and the month for which the FPPCA is being charged must be indicated in the bills.

The approved (FPPCA) formula is subject to following conditions:

- (i) The basic nature of FPPCA is 'adjustment' i.e. passing on the increase or decrease, as the case may be.
- (ii) The operational parameters / norms fixed by the Commission in this tariff order shall be the basis of calculating FPPCA charges.
- (iii) The FPPCA will be recovered in the form of an incremental energy charge (Rs/kwh) in proportion to the energy consumption and will be forming a part of the energy bill to be served on monthly/bimonthly or any other periodical basis as specified by the Commission.
- (iv) Incremental cost of power purchase due to deviation in (respect of generation mix) power purchase at higher rate, etc. shall be allowed only if it is justified to the satisfaction of the Commission.
- (v) Any cost increase by the Board by way of penalty, interest due to delayed payments, etc. and due to operational inefficiencies shall not be allowed.
- (vi) FPPCA charges shall be levied on all categories of consumers
- (vii) The data in support of FPPCA claims shall be duly authenticated by an officer of the Board, not below the rank of Chief Engineer on affidavit. Supported with the certified copy of energy bills of power purchase, transmission and RLDC charges, coal and its transportation cost, oil purchase bill and the quantity of coal and oil consumed during the month.
- (viii) Variation of FPPCA charge will be allowed only when it is five (5) paise and more per unit.

- (ix) The formula will be applied on monthly basis by BSEB after seeking the regulatory approval. The incremental cost per kWh due to this FPPCA arrived for a month shall be recovered in the subsequent month through energy bills and so on. The BSEB shall, however, be obligated to provide all relevant information to the Commission simultaneously and in any case where the Commission observes any discrepancies, the same will be adjusted during the subsequent month. This mechanism will provide administrative and regulatory simplicity.
- (x) The approved formula is subject to review, as the Commission may deem fit.