

**Annexure-3 (Tariff Schedules for High Tension Consumers)**

**ANNEXURE TO THE TARIFF ORDER PASSED BY MPERC FOR  
FINANCIAL YEAR 2012-13**

**MADHYA PRADESH ELECTRICITY REGULATORY COMMISSION  
TARIFF SCHEDULES FOR HIGH TENSION CONSUMERS**

**Table of Contents**

<b>Tariff Schedules</b>	<b>Page No.</b>
HV – 1 Railway Traction	195 – 196
HV – 2 Coal Mines	197 – 198
HV – 3 Industrial and Non Industrial	199 – 201
HV – 4 Seasonal	202 – 203
HV – 5 Irrigation, Public Water Works and Other than agricultural	204 – 205
HV – 6 Bulk Residential Users	206 – 207
HV – 7 Bulk Supply to Exemptees	208 – 208
General Terms and Conditions of High Tension Tariff	209 - 219

## **Tariff Schedule-- HV-1**

### **RAILWAY TRACTION: ---**

#### **Applicability:**

This Tariff shall apply to the Railways for Traction loads only.

#### **Tariff:**

<b>S. No.</b>	<b>Category of consumer</b>	<b>Monthly Fixed charges (Rs. per kVA of billing demand per month)</b>	<b>Energy charges (Paise / unit)</b>
1	Railway Traction on 132kV / 220 kV	265	500

#### **Specific Terms and Conditions:**

- (a) In order to give impetus to electrification of Railway network in the State, a rebate of 10% in energy charges for new Railway traction projects shall be allowed for a period of five years from the date of connection for such new projects for which agreements for availing supply from licensee are finalized during 2012-13. The rebate provided in earlier orders shall remain in force at the rate and for the duration as mentioned in those tariff orders.
- (b) The dedicated feeder maintenance charges shall **not** be applicable.
- (c) Guaranteed Annual Minimum Consumption shall be 1500 units (Kwh) per kVA of contract demand. The method of billing of minimum consumption shall be as given in General Terms and Conditions of High Tension tariff.
- (d) Power Factor Penalty:
  - i. If the average monthly power factor of the consumer falls below 90 percent, penalty will be levied at the rate of one percent of total energy charges for the month for each one percent fall in the average monthly power factor below 90 percent. **For determination of power factor, lag only logic shall be used and no power factor penalty shall be levied if leading power factor is recorded.**
  - ii. If the average monthly power factor of the consumer falls below 85 percent, the consumer shall be levied a penalty of 5% (five percent) plus @ 2% (two percent) for each one percent fall in his average monthly power factor below

85 percent. , on the total amount of bill under the head of “Energy Charges”. This penalty shall be subject to the condition that overall penalty on account of low power factor does not exceed 35%.

- iii. For this purpose, the “average monthly power factor” is defined as the ratio expressed in percentage of total Kilo Watt hours recorded to the total kilo volt Ampere hours recorded during the billing month. This ratio (%) shall be rounded off to the nearest integer figure and the fraction of 0.5 or above will be rounded to next higher integer and the fraction of less than 0.5 shall be ignored.
  - iv. Notwithstanding what has been stated above, if the average power factor of a new connection of the consumer is found to be less than 90% in any month during the first 6 (six) months from the date of connection, the consumer shall be entitled to a maximum period of six months to improve it to not less than 90% subject to following conditions:
    - This period of six months shall be reckoned from the month in which the average power factor was found for the first time to be less than 90%.
    - In all cases, the consumer will be billed penal charges for low power factor, but in case the consumer maintains the average power factor in subsequent three months (thus in all four months) to not less than 90%, the charges on account of low power factor billed during the said six months period, shall be withdrawn and credited in next monthly bills.
    - The facility, as mentioned herein, shall be available not more than once to new consumer whose average power factor is less than 90% at any time during 6 months from the date of connection. Thereafter, the charges on account of low average power factor, if found less than 90%, shall be payable as by any other consumer.
  - (e) Other terms and conditions shall be as mentioned in the General Terms and Conditions of High Tension Tariff.
-

## Tariff Schedule – HV - 2

### COAL MINES: ---

#### **Applicability:**

This Tariff shall apply to the Coal Mines for power, ventilation, lights, fans, coolers, etc. which shall mean and include all energy consumed for coal mines and lighting in the offices, stores, canteen, compound lighting etc. and the consumption for residential use therein.

#### **Tariff:**

S. No.	Sub category	Monthly Fixed charges (Rs. / kVA of billing demand per month)	Energy charges for consumption up to 50% load factor (Paise / unit)	Energy charges for consumption in excess of 50% load factor (Paise / unit)
	<b>Coal Mines</b>			
	11 kV supply	505	545	465
	33 kV supply	515	525	445
	132 kV supply	525	515	435
	220 kV supply	535	505	425

#### **Specific Terms and Conditions:**

- a. **Guaranteed Minimum Consumption** shall be on the following basis :

Supply Voltage	Guaranteed annual minimum consumption in units(KWH) per kVA of contract demand
<i>For supply at 220 / 132 kV</i>	1620
<i>For supply at 33 / 11 kV</i>	1200

Note: The method of billing of minimum consumption shall be as given in General Terms and Conditions of High Tension tariff

- b. Load Factor Incentive:** The consumer shall be eligible for Load Factor incentive on energy charges as per the scheme given in General Terms and Conditions of High Tension Tariff.
  - c. Time of Day Surcharge / Rebate:** This surcharge/ rebate shall be as specified in General Terms and Conditions of High Tension tariff
  - d.** Other terms and conditions shall be as specified under General Terms and Conditions of High Tension Tariff.
-

## Tariff Schedule – HV - 3

### INDUSTRIAL, NON-INDUSTRIAL AND SHOPPING MALLS

#### **Applicability:**

The **tariff HV-3.1(Industrial)** shall apply to all HT industrial consumers including mines (other than coal mines) for power, light and fan etc. which shall mean and include all energy consumed for factory and lighting in the offices, main factory building, stores, canteen, residential colonies of industries, compound lighting and Dairy units where milk is processed (other than chilling, pasteurization etc.) to produce other end products of milk.

The **tariff HV-3.2 (Non Industrial)** shall apply to establishments like Railway Stations, Offices, Hotels, Hospitals, Institutions etc. (excluding group of consumers) having mixed load for power, light and fan etc. which shall mean and include all energy consumed for lighting in the offices, stores, canteen, compound lighting etc. This shall also cover all other categories of consumers, defined in LT non-domestic category subject to the condition that the HT consumer shall not redistribute/sub-let the energy in any way to other person.

The **tariff HV-3.3 (Shopping malls)** shall apply to establishments of shopping malls having group of non-industrial consumers subject to the specific terms and conditions specified in (e) of this schedule.

**Shopping Mall** shall be a multi-storeyed shopping centre in an urban area having a system of enclosed walkways with collection of independent retail stores, services and parking areas constructed and maintained by a management firm/ developer as a unit.

The **tariff HV-3.4 (Power intensive industries)** shall apply to Mini Steel Plants (MSP), MSP with rolling mills/ sponge iron plants in the same premises, electro chemical/ electro thermal industry, Ferro alloy industry which shall mean and include all energy consumed for factory and lighting in the offices, main factory building, stores, canteen, residential colonies of industries, compound lighting etc.

#### **Tariff:**

S. No.	Sub-Category of consumer	Monthly Fixed Charges (Rs./kVA of billing demand per month)	Energy charges for consumption up to 50% load factor (Paise / unit)	Energy charges for consumption in excess of 50% load factor (Paise / unit)
<b>3.1</b>	<b>Industrial</b>			
	11 KV supply	225	510	450

S. No.	Sub-Category of consumer	Monthly Fixed Charges (Rs./kVA of billing demand per month)	Energy charges for consumption up to 50% load factor (Paise / unit)	Energy charges for consumption in excess of 50% load factor (Paise / unit)
	33 KV supply	370	500	400
	132 KV supply	470	460	380
	220/400 KV supply	500	440	370
<b>3.2</b>	<b>Non-Industrial</b>			
	11 KV supply	190	540	465
	33 KV supply	300	515	450
	132 KV supply	425	480	415
<b>3.3</b>	<b>Shopping Malls</b>			
	11 KV supply	190	540	465
	33 KV supply	280	520	455
	132 KV	400	480	410
<b>3.4</b>	<b>Power intensive industries</b>			
	33 KV supply	435	395*	395
	132 KV supply	560	375*	375

\*Category HV 3.4 shall not be entitled to load factor incentive. Further energy charges for this category shall be same for entire consumption irrespective of load factor.

## Specific Terms and Conditions:

- (a) **Guaranteed Minimum Consumption** for all the above categories shall be on following basis :

Supply Voltage	Sub- category	Guaranteed annual minimum consumption in units(KWH) per kVA of contract demand
<i>For supply at 220/132 kV</i>	Rolling Mills	1200
	Educational institutions	720
	Others	1800
<i>For supply at 33 / 11 kV</i>	Educational institutions	600
	Contract demand up to 100 kVA	600
	Others	1200

**Note: The method of billing of minimum consumption shall be as given in General Terms and Conditions of High Tension tariff.**

- (b) **Load Factor Incentive:** The consumer shall be eligible for Load Factor incentive on energy charges as per the scheme given in General Terms and Conditions of High Tension tariff. However consumers under category HV 3.4 shall not be entitled to load factor incentive.
- (c) **Time of Day Surcharge / Rebate:** This surcharge/ rebate shall be as specified in General Terms and Conditions of High Tension tariff.
- (d) **Rebate for supply through feeders feeding supply to predominantly to rural areas :** HT consumers of this category receiving supply through rural feeders shall be entitled to 10% rebate on Fixed Charges and 20 % reduction in Minimum Consumption (kWh) as specified above for respective voltage levels.
- (e) **Additional specific terms and conditions for shopping mall**
- (i) Individual end user shall not be levied a rate which is exceeding non-domestic- commercial tariff (LV 2.2) in case of LT connection and HT non-industrial tariff ( HV 3.2) in case of HT connection, as determined by the Commission.
- (ii) All end-users shall enter into a tripartite agreement with the Management Firm /developer of the shopping mall and the licensee for availing supply of electricity in the shopping mall in order to get the benefit of the tariff under this category.
- (f) Other terms and conditions shall be as specified under General Terms and Conditions of High Tension Tariff.



## **Tariff Schedule – HV - 4**

### **SEASONAL:-**

#### **Applicability:**

This tariff shall be applicable to such seasonal industries / consumers requiring energy for the production purposes for maximum continuous one hundred eighty days and for a minimum period of three months. **If the declared season/off-season spreads over two tariff periods, then the tariff for the respective period shall be applicable.**

The licensee shall allow this tariff to any industry having seasonal use only.

#### **Tariff:**

<b>Category of consumers</b>	<b>Monthly Fixed Charges (Rs./kVA of billing demand per month)</b>	<b>Energy charges for consumption up to 50% load factor (Paise / unit)</b>	<b>Energy charges for consumption in excess of 50% load factor (Paise / unit)</b>
<b>During Season</b>			
<b>11 KV supply</b>	250	490	425
<b>33 KV supply</b>	280	480	410
<b>During Off-Season</b>			
<b>11 KV supply</b>	Rs. 250 on 10% of contract demand or actual recorded demand during the season, whichever is higher	588 i.e. 120% of seasonal energy charges	Not applicable
<b>33 KV supply</b>	Rs. 280 on 10% of contract demand or actual recorded demand during the season, whichever is higher	576 i.e. 120% of seasonal energy charges	Not applicable

#### **Specific Terms and Conditions:**

- a) **Guaranteed Annual Minimum Consumption** shall be 900 units (KWH) per kVA of contract demand. The method of billing of minimum consumption shall be as given in General Terms and Conditions of High Tension tariff
- b) **Load Factor Incentive:** The consumer shall be eligible for Load Factor incentive on energy charges as per the scheme given in general terms and conditions of high tension tariff.
- c) **Time of Day Surcharge / Rebate:** This surcharge/ rebate shall be as specified in General Terms and Conditions of High Tension tariff.

- d)** The consumer has to declare months of season and off season for the tariff year 2012-13 within 60 days of issue of tariff order and inform the same to the licensee. If the consumer has already informed the Licensee of his season/off-season months during this financial year prior to issue of this order, same shall be accepted and shall be valid for this tariff order.
  - e)** The seasonal period once declared by the consumer cannot be changed during the year.
  - f)** This tariff schedule is not applicable to composite units having seasonal and other category loads.
  - g)** The consumer will be required to restrict his monthly off season consumption to 15% of highest of the average monthly consumption of the preceding three seasons. In case this limit is exceeded in any off season month, the consumer will be billed under HV-3.1 Industrial Schedule for the whole tariff year.
  - h)** The consumer will be required to restrict his maximum demand during off season to 30 % of the contract demand. In case the maximum demand recorded in any month during the declared off- season exceeds this limit, the consumer will be billed under HV-3.1 Industrial Schedule for the whole year.
  - i)** Other terms and conditions shall be as per the General Terms and Conditions of High Tension Tariff.
-

## **Tariff Schedule – HV - 5**

### **IRRIGATION, PUBLIC WATER WORKS AND OTHER THAN AGRICULTURAL**

#### **Applicability:**

The Tariff Category HV-5.1 shall apply to supply of power to lift irrigation schemes, group irrigation, Public Utility Water Supply schemes, sewage treatment plants /sewage pumping plants and for energy used in lighting pump house.

**Note: Private water supply scheme, water supply schemes run by institutions for their own use/employees/townships etc. will not fall in this category but billed under the appropriate tariff category to which such institution belongs. In case water supply is being used for two or more different purposes then the highest tariff shall be applicable.**

The tariff category HV-5.2 shall apply to supply of power to other than agriculture pump connections i.e. the connection for hatcheries, fisheries ponds, poultry farms, cattle breeding farms, grasslands, vegetables/ fruits/ floriculture/ mushroom growing units etc. and dairy ( for those dairy units where only extraction of milk and its processing such as chilling, pasteurization etc. is done). However, in units where milk is processed to produce other end products of milk, billing shall be done under HV-3.1 (industrial) category.

#### **Tariff:**

<b>No.</b>	<b>Sub-Category</b>	<b>Monthly Fixed charges (Rs. /kVA of billing demand per month)</b>	<b>Energy Charges (paise per unit)</b>
<b>5.1</b>	<b>Public Water Works, Group Irrigation and Lift Irrigation Schemes</b>		
	11 kV supply	170	400
	33 kV supply	190	380
	132 kV supply	210	360
<b>5.2</b>	<b>Other than agricultural use</b>		
	11 kV supply	190	405
	33 kV supply	210	385
	132 kV supply	230	370

### **Specific Terms and Conditions:**

(a) **Guaranteed Annual Minimum Consumption** shall be 720 units (KWH) per kVA of contract demand. The method of billing of minimum consumption shall be as given in General Terms and Conditions of High Tension tariff

(b) **Time of Day Surcharge / Rebate:** This surcharge/ rebate shall be as specified in General Terms and Conditions of High Tension tariff.

(c) **Incentive for adopting Demand Side Management**

An **incentive** equal to 5 % energy charges shall be given on installation and use of energy saving devices (such as ISI energy efficient motors for pump sets). **Incentive** will only be admissible if full bill is paid within due dates failing which all consumed units will be charged at normal rates as the case may be. Such incentive will be admissible from the month following the month in which energy saving devices are put to use and its verification by a person authorized by the licensee. The incentive will continue to be allowed till such time these energy saving devices remain in service. The licensee is required to arrange wide publicity for above incentive. The licensee is required to place quarterly information regarding incentives provided on its web site.

(d) Other terms and conditions shall be per the General Terms and Conditions of High Tension Tariff.

## Tariff Schedule – HV - 6

### BULK RESIDENTIAL USERS

#### **Applicability:**

The tariff category **HV-6.1** is applicable for supply to industrial or any other township (e.g. that of University or academic institutions, hospitals, MES and Border villages etc.) for domestic purpose only such as lighting, fans, heating etc. provided that the connected load for essential common facilities such as Non-domestic supply in residential area, street lighting shall be within the limits specified hereunder:-

- (i) Water supply & Sewage pumping, Hospital - **No limit**
- (ii) Non-domestic/Commercial and other General purpose put together - **20 % of total connected load.**

The tariff category **HV-6.2** is applicable for supply to Registered Cooperative Group Housing Societies as per MOP notification no. S.O.798 (E) dated 9<sup>th</sup> June 2005 and also to other Registered Group Housing Societies and individual domestic user. The terms and conditions for this category of consumers shall be applicable as per the provisions in section 4.77 to 4.95 (both inclusive) of the Electricity Supply Code, 2004 as amended from time to time.

#### **Tariff:**

S. No.	Category of consumers	Monthly Fixed Charges (Rs. / kVA of billing demand per month)	Energy charges for consumption up to 50% load factor (Paise / unit)	Energy charges for consumption in excess of 50% load factor (Paise / unit)
<b>1</b>	<b>For Tariff Sub-Category 6.1</b>			
	11 kV supply	215	465	410
	33 kV supply	230	440	390
	132 kV supply	245	425	375
<b>2</b>	<b>For Tariff Sub-Category 6.2</b>			
	11 kV supply	145	470	415
	33 kV supply	150	460	405
	132 kV supply	155	445	390

**Specific Terms and Conditions:**

- (a) **Guaranteed Annual Minimum Consumption** shall be 780 units (KWH) per kVA of contract demand. The method of billing of minimum consumption shall be as given in General Terms and Conditions of High Tension tariff.
  - (b) **Load Factor Incentive:** The consumer shall be eligible for Load Factor incentive on energy charges as per the scheme given in general terms and conditions of high tension tariff.
  - (c) All individual end-users shall enter into a tripartite agreement with the Management of the Group Housing Society and the licensee for availing supply of electricity in the Society in order to get the benefit of the tariff under this category. The individual end user shall not be levied a rate exceeding the tariff applicable to the corresponding LT category.
  - (d) Other terms and conditions shall be as specified under General Terms and Conditions of High Tension Tariff.
- .....

## **Tariff Schedule – HV - 7**

### **BULK SUPPLY TO EXEMPTTEES**

#### **Applicability:**

This Tariff shall apply to entities such as Co-operative Societies, any local authority, Panchayat Institution, users' association, Co-operatives, non-government organisations or franchisees who have been granted permission under section 13 of the Electricity Act 2003 (36 of 2003).

#### **Tariff for all voltages:**

<b>S. No.</b>	<b>Sub-Category of consumers</b>	<b>Monthly Fixed Charges (Rs. / kVA of billing demand per month)</b>	<b>Energy Charges (paise per unit)</b>
<b>Bulk Supply to Exemptees under section 13 of Electricity Act 2003</b>			
(a)	Co operative Societies having mixed use	240	350
(b)	Mixed domestic and agriculture use in rural areas notified by State Government (maximum 10 % non domestic use permitted)	140	290
(c)	Mixed domestic and non domestic use (limited to 10 % of total) in urban areas	180	350

#### **Terms and Conditions:**

- (a) Supply shall be given at 33 KV and above only. However, the Co-operative Societies may be allowed to avail connections at 11 KV. The exemptees will have to limit their charges recoverable from individual consumers to the tariff specified for respective category.
  - (b) Other terms and conditions shall be as specified under General Terms and Conditions of Tariff.
- .....

## **GENERAL TERMS AND CONDITIONS OF HIGH TENSION TARIFF**

**The following terms and conditions shall be applicable to all HT consumer categories subject to specific terms and conditions for that category as mentioned in the tariff schedule of respective category:**

- 1.1 The contract demand shall be expressed in whole number only.
- 1.2 Character of Service: The character of service shall be as per Madhya Pradesh Electricity Supply Code, 2004 as amended from time to time.
- 1.3 Point of Supply:
  - (a) The power will be supplied to the consumer ordinarily at a single point for the entire premises.
  - (b) In case of Railway Traction, the supply at each sub-station shall be separately metered and charged.
  - (c) In case of coal mines, the power will be supplied ordinarily at a single point for the entire premises. The power may, however, be supplied, on the request of the consumer, at more than one point subject to technical feasibility. In such cases, metering and billing will be done for each point of supply separately.
  - (d) In case of consumers under category HV-7, the power will be supplied to the consumer ordinarily at a single point for the entire premises. However, the power may be supplied on the request of the cooperative societies, at more than one point subject to technical feasibility, but in such case, metering and billing will be done for each point of supply separately.
- 1.4 **Determination of Demand:** The **maximum demand** of the supply in each month shall be four times the largest number of kilovolt ampere hours delivered at the point of supply during any continuous 15 minutes during the month as per sliding window principle of measurement of demand.
- 1.5 **Billing demand:** The billing demand for the month shall be the actual maximum kVA demand of the consumer during the month or 90% of the contract demand, whichever is higher. The billing demand shall be rounded off to the nearest integer number i.e. the fraction of 0.5 or above will be rounded off to next integer figure and the fraction of less than 0.5 shall be ignored.
- 1.6 **Tariff minimum consumption shall be billed** as follows :
  - 1) The consumer shall be billed for guaranteed annual minimum consumption (KWH) based on number of units per kVA of contract demand specified for his category, irrespective of whether any energy is consumed or not during the year.



2) The consumer shall be billed one twelfth of guaranteed annual minimum consumption (KWH) specified for his category each month in case the actual consumption is less than above mentioned minimum consumption.

3) During the month in which actual cumulative consumption equals or greater than the annual minimum guaranteed consumption, no further billing of monthly minimum consumption shall be done in subsequent months of the financial year.

4) In the month which cumulative actual or billed monthly consumption of the consumer exceeds the cumulative monthly prorated minimum annual guaranteed consumption and if the consumer was charged in earlier months for tariff minimum difference consumption on account of his actual consumption being less, then such tariff minimum consumption shall be adjusted in the month in which cumulative actual or billed monthly consumption exceeds cumulative monthly prorated minimum annual guaranteed consumption. If such tariff difference consumption does not get fully adjusted in that month, such adjustment shall continue to be done in subsequent months of the financial year. The following example illustrates the procedure for monthly billing of consumption where prorated monthly minimum consumption is 100 kWH based on annual consumption of 1200 kWH.

Month	Actual cumulative consumption (kwh)	Cumulative minimum consumption * (kwh)	Higher of 2 and 3 (kwh)	Already billed in the year (kwh)	To be billed in the month = (4-5) (kwh)
1	2	3	4	5	6
April	95	100	100	0	100
May	215	200	215	100	115
June	315	300	315	215	100
July	395	400	400	315	85
Aug	530	500	530	400	130
Sept	650	600	650	530	120
Oct	725	700	725	650	75
Nov	805	800	805	725	80
Dec	945	900	945	805	140
Jan	1045	1000	1045	945	100
Feb	1135	1100	1135	1045	90
March	1195	1200	1200	1135	65

- 1.7 **Rounding off:** All bills will be rounded off to the nearest rupee i.e. up to 49 paisa shall be ignored and 50 paisa upwards shall be rounded off to next Rupee.

**Incentive/ Rebate / penalties**

1.8 **Power Factor Incentive**

Power factor incentive shall be payable as follows:

<b>Power Factor</b>	<b>Percentage incentive payable on billed energy charges</b>
Above 95% and up to 96%	1.0 ( one percent)
Above 96% and up to 97%	2.0 ( two percent)
Above 97% and up to 98%	3.0 ( three percent)
Above 98 % up to 99%	5 ( five percent)
Above 99 %	7 ( seven percent)

1.9 **Load factor calculation and load factor incentive**

- 1) The **load factor** shall be calculated as per the following formula:

$$\text{Load factor (\%)} = \frac{\text{Monthly consumption X 100}}{\text{No. of hours in the billing month X Demand\_PF}}$$

- i. Monthly consumption shall be units (kwh) consumed in the month excluding those received from sources other than Licensee.
  - ii. No. of Hours in billing month excluding period of scheduled outages in hours.
  - iii. Demand\_Pf in the denominator of the above formula shall be taken as higher of either
    - a. The product of maximum demand recorded or contract demand whichever is more and 0.9 power factor.
- OR**
- b. The product of maximum demand recorded and 0.9 or actual average monthly power factor, whichever is higher.

**Note:** The load factor (%) shall be rounded off to the nearest lower integer. In case the consumer is getting power through open access, units set off from other sources, the net energy (after deducting units set off from other sources, from the consumed units) billed to consumer shall only be taken for the purpose of working out load factor. The billing month shall be the period in number of days between the two consecutive dates of meter readings taken for the purpose of billing to the consumer.

- 2) **Load factor incentive** shall be calculated as per following scheme and shall be given to those categories of consumers where it is specified:

<b>LF Range</b>	<b>Incentive</b>	<b>Computation of % incentive on energy charge (LF=x %)</b>
LF <= 75%	No Incentive	= 0.00
LF>75%	Incentive of 0.10 % for every 1% increase in LF above 75% on the energy charges for incremental consumption above 75% load factor	= (x-75)*0.10

**Example,**

- Consumer having 72% load factor would not be getting any incentive on energy charges
- Consumer having 82% load factor will get incentive of  $[0.10 * (82-75) \%] = 0.7\%$  on energy charges for incremental consumption above 75% load factor.

**Note:** For working out **incremental consumption**, consumption corresponding to 75 % load factor shall be deducted from total consumption. The above load factor incentive shall apply only to energy charges corresponding to such incremental consumption for which separate rates have been specified.

- 1.10 For **advance payment** made before commencement of consumption period for which bill is prepared, an incentive of 1 % per month on the amount which remains with the licensee at the end of calendar month (excluding security deposit) shall be credited to the account of the consumer after adjusting any amount payable to the licensee.
- 1.11 An incentive for prompt payment @0.25% of the bill amount (excluding electricity duty and other Government levies) shall be given in case the payment is made at least 7 days in advance of the due date of payment where the current month billing amount is equal to or greater than Rs. One lack. The consumers in arrears shall not be entitled for this incentive.
- 1.12 **Time of Day Surcharge / Rebate:** This scheme is applicable to the categories of consumers where it is specified. This is applicable for different periods of the day i.e. normal period, peak load and off-peak load period. The surcharge / rebate on energy charges according to the period of consumption shall be as per following table:

S. No.	Peak / Off-peak Period	Surcharge / Rebate on energy charges on energy consumed during the corresponding period
1.	Evening peak load period (6PM to 10 PM)	15% of Normal rate of Energy Charge as Surcharge
2.	Off peak load period (10 PM to 6 AM next day)	7.5 % of Normal rate of Energy Charge as Rebate

**Note:** Fixed charges shall always be billed at normal rates i.e. ToD Surcharge / Rebate shall not be applied on Fixed Charges

### 1.13 Power Factor Penalty ( For consumers other than Railway Traction HV-1)

- (i) If the average monthly power factor of the consumer falls below 90 percent, the consumer shall be levied a penalty @ 1% (one percent), for each one percent fall in his average monthly power factor below 90 percent, on total amount of bill under the head of “Energy Charges”.
- (ii) If the average monthly power factor of the consumer falls below 85 percent, the consumer shall be levied a penalty of 5% (five percent) plus @ 2% (two percent) for each one percent fall in his average monthly power factor below 85 percent. , on the total amount of bill under the head of “Energy Charges”. This penalty shall be subject to the condition that overall penalty on account of low power factor does not exceed 35%.
- (iii) Should the average monthly power factor fall below 70%, the Licensee reserves the right to disconnect the consumer’s installation till steps are taken to improve the same to the satisfaction of the Licensee. This is, however, without prejudice to the levy of penalty charges for low power factor in the event of supply not being disconnected.
- (iv) For this purpose, the “average monthly power factor” is defined as the ratio expressed in percentage of total Kilo Watt hours to the total kilo volt Ampere hours recorded during the billing month. This ratio (%) shall be rounded off to the nearest integer figure and the fraction of 0.5 or above will be rounded to next higher integer and the fraction of less than 0.5 shall be ignored.
- (v) Notwithstanding what has been stated above, if the average monthly power factor of a new consumer is found to be less than 90% in any month during the first 6 (six) months from the date of connection, the consumer shall be entitled to a maximum period of six months to improve it to not less than 90% subject to following conditions:
  - a) This period of six months shall be reckoned from the month following the month in which the average power factor was found for the first time to be less than 90%.

- b) In all cases, the consumer will be billed the penal charges for low power factor, but in case the consumer maintains the average monthly power factor in subsequent three months (thus in all four months) to not less than 90%, the charges on account of low power factor billed during the said six months period, shall be withdrawn and credited in next monthly bills.
- c) The facility, as mentioned herein, shall be available not more than once to new consumer whose average monthly power factor is less than 90% in any month during 6 months from the date of connection. Thereafter, the charges on account of low average power factor, if found less than 90%, shall be payable as applicable to any other consumer.

#### 1.14 Additional Charges for Excess Demand

- i. The consumer shall at all times restrict their actual maximum demand within the contract demand. In case the actual maximum demand in any month exceeds 105% of the contract demand, the tariffs given in various schedules shall apply to the extent of the 105% of the contract demand only. The consumer shall be charged for excess demand computed as difference of recorded maximum demand and 105% of contract demand on energy charges and fixed charges and while doing so, the other terms and conditions of tariff, if any, shall also be applicable on the said excess demand. The excess demand so computed, if any, in any month shall be charged at the following rates from all consumers except Railway Traction
- ii. **Energy charges for excess demand:** The consumer shall pay charges @ 1.3 times the tariff for energy charges for consumption corresponding to excess demand in case the maximum demand recorded exceeds 105% of the contract demand.

Example: If a consumer having a contract demand of 200 kVA records a maximum demand of 250 kVA, the billing of energy charges for excess demand of  $(250 \text{ kVA} - 210 \text{ kVA}) = 40 \text{ kVA}$  shall be = (total consumption recorded during the month \* 40 kVA / maximum recorded demand) \* 1.3 \* energy charge unit rate.

- iii. **Fixed charges for excess demand:** - These charges shall be billed as per following:
  1. **Fixed charges for Excess Demand when the recorded maximum demand is up to 115% of the contract demand :-** fixed charges for Excess Demand over and above the 105 % of contract demand shall be charged at 1.3 times the normal fixed charges
  2. **Fixed charges for Excess Demand when the recorded maximum demand exceeds 115% of contract demand :-** In addition to fixed

charges in 1 above, recorded demand over and above 15 % of the contract demand shall be charged at 2 times the normal fixed charges

Example for fixed charges billing for excess demand: If the contract demand of a consumer is 100 kVA and the maximum demand recorded in the billing month is 140 kVA, the consumer shall be billed towards fixed charges as under:-

- a) Up to 105 kVA at normal tariff.
  - b) Above 105 kVA up to 115 kVA i.e. for 10 kVA at 1.3 times the normal tariff.
  - c) Above 115 kVA up to 140 kVA i.e. for 25 kVA at 2 times the normal tariff.
- iv. In case of **Railway Traction** the excess demand so computed as per above, if any, in any month shall be charged at the following rates:
- (a) When the recorded maximum demand is up to 115% of contract demand- Excess Demand over and above 105 % of the contract demand—at the rate of Rs.290 per kVA
  - (b) When the recorded maximum demand exceeds 115% of contract demand: - In addition to fixed charges in (a) above, recorded demand over and above 15 % of the contract demand shall be charged—at the rate of Rs.398 per kVA

While doing so, other provisions of electricity tariff (such as tariff minimum charge etc.) will also be applicable on aforesaid excess demand.

- v. The excess demand computed in any month will be charged along with the monthly bill and shall be payable by the consumer.
  - vi. The billing of excess demand at higher tariff is without prejudice to the Licensee's right to discontinue the supply in accordance with the provisions contained in the Electricity Supply Code, 2004.
- 1.15 **Delayed Payment Surcharge:** Surcharge at the rate of 1.00 % per month or part thereof on the amount outstanding (including arrears) will be payable if the bills are not paid up to due date. The part of a month will be reckoned as full month for the purpose of calculation of delayed payment surcharge. The delayed payment surcharge will not be applicable after supply to the consumer is permanently disconnected.

1.16 **Service Charge for Dishonoured Cheques:** In case the cheque(s) presented by the consumer are dishonoured, a service charge at the rate of Rs. 1000/- per cheque shall be levied in addition to delayed payment surcharge as per rules. This is without prejudice to the Licensee's rights to take action in accordance with any other applicable law.

1.17 **Temporary supply at HT:** If any consumer requires supply for a temporary period, the temporary supply shall be treated as a separate service and charged subject to the following conditions:

- (a) Fixed Charges and Energy Charges shall be charged at 1.3 times the normal tariff. The fixed charge shall be recovered for the full billing month or part thereof.
- (b) The consumer shall guarantee minimum consumption (KWH) as applicable to the permanent consumers on pro-rata basis based on number of days as detailed below:

$$\text{Minimum consumption for additional supply for temporary period} = \frac{\text{Annual minimum consumption as applicable to permanent supply} \times \text{No. of days of temporary connection}}{\text{No. of days in the year}}$$

- (c) The billing demand shall be the demand requisitioned by the consumer or the highest monthly maximum demand during the period of supply commencing from the month of connection ending with the billing month, whichever is higher. For example:

Month	Recorded Maximum Demand (kVA)	Billing Demand (kVA)
April	100	100
May	90	100
June	80	100
July	110	110
August	100	110
September	80	110
October	90	110
November	92	110
December	95	110
January	120	120
February	90	120
March	80	120

- (d) The consumer shall pay the estimated charges in advance, before serving the Temporary Connection subject to replenishment from time to time and adjustment as per final bill after disconnection. No interest shall be given on such advance payment.
- (e) The consumer shall pay rental for the metering system.
- (f) Connection and Disconnection Charges shall also be paid.
- (g) In case of existing HT consumer, the temporary connection may be given through existing permanent HT connection on following methodology of assessment :
  - (i) Deemed contract demand for the month to be billed for the fixed charge= C.D. (existing) on normal tariff for permanent connection + C.D. for temporary connection on normal tariff for temporary supply.
  - (ii) Billing demand for the month shall be as per tariff order for the deemed contract demand for that month.
  - (iii) Consumption during the month may be billed for Permanent connection (A)

$$A = \frac{\text{Contract demand (Permanent)}}{\text{Deemed contract demand}} \times \text{Total consumption}$$

Consumption of Temporary connection = Total consumption - (A)

- (iv) The consumption worked out above for temporary connection shall be billed at 1.3 times the normal energy charges.
- (v) The demand in excess of deemed contract demand as calculated above at (g) (i) shall be treated as Excess Demand. For billing purposes such Excess demand, if any, in any month shall be treated as pertaining to temporary connection load and shall be charged at 1.5 times the normal fixed charges & energy charges of temporary connection. Additional charges for excess demand recorded during the period of temporary connection shall be calculated as given below :

Fixed charges for excess demand = fixed charges per kVA for temporary connection \* excess demand\* 1.5 (one and half)

Energy charges for excess demand = energy charges per unit for temporary connection \* 1.5(one and half)\*(excess demand/deemed contract demand)\*total consumption



- (h) Load factor incentive shall not be allowed on the consumption for temporary connection.
- (i) Power factor incentives/penalties and the condition for Time of Day Surcharge/ rebate shall be applicable at the same rate as for permanent connection.

**Other Terms and Conditions for permanent connections:**

- 1.18 The existing 11KV consumer with contract demand exceeding 300 kVA who want to continue to avail supply at 11kV at his request, shall be required to pay additional charge at 5 % on the total amount of Fixed Charges and, Energy Charges billed in the month.
- 1.19 The existing 33KV consumer with contract demand exceeding 10,000 kVA who want to continue to avail supply at 33kV at his request, shall be required to pay additional charge at 3% on the total amount of Fixed Charges and Energy Charges billed in the month.
- 1.20 The existing 132KV consumer with contract demand exceeding 50,000 kVA who want to continue to avail supply at 132kV at his request, shall be required to pay additional charge at 2% on the total amount of Fixed Charges and Energy Charges billed in the month.
- 1.21 Metering Charges shall be billed as per schedule of Metering and Other Charges as prescribed in MPERC (Recovery of expenses and other charges for providing electric line or plant used for the purpose of giving supply), Regulations (Revision-I), 2009 as amended from time to time. Part of a month will be reckoned as full month for purpose of billing.
- 1.22 The tariff does not include any tax or duty, etc. on electrical energy that may be payable at any time in accordance with any law then in force. Such charges, if any, shall be payable by the consumer in addition to the tariff charges.
- 1.23 In case any dispute arises regarding interpretation of this tariff order and/or applicability of this tariff, the decision of the Commission will be final and binding.
- 1.24 No changes in the tariff or the tariff structure including minimum charges for any category of consumer are permitted except with prior written permission of the Commission. Any order without such written permission of the Commission will be treated as null and void and also shall be liable for action under relevant provisions of the Electricity Act, 2003.
- 1.25 In case a consumer, at his request, avails supply at a voltage higher than the standard supply voltage as specified under relevant category, he shall be billed at the rates applicable for actually availed supply voltage and no extra charges shall be levied on account of higher voltage.

- 1.26 All consumers to whom fixed charges are applicable are required to pay fixed charges in each month irrespective of whether any energy is consumed or not.
- 1.27 All conditions prescribed herein shall be applicable notwithstanding if any contrary provisions, exist in the agreement entered into by the consumer with the licensee.
- 1.28 **Terms and Conditions for Tariff to be made applicable for generators already connected to the grid but who are not the consumer of the Licensee and seeks to avail power for synchronization with the grid or start-up power are as under:**
- (i) The tariff for fixed charges and energy charges shall be applicable at temporary rate corresponding to the tariff applicable for HT/EHT industry under relevant voltage category under HV-3.1 schedule.
  - (ii) The supply for synchronization with the grid or for start-up power shall not exceed 15% of the capacity of unit of highest rating in the Power Plant.
  - (iii) The condition for minimum consumption shall not be applicable to the generators including CPP. Billing shall be done for actual demand and energy recorded during the billing period on each occasion.
  - (iv) The supply shall not be allowed to the CPP for production purpose for which he may avail stand-by support under the relevant regulations.
  - (v) The synchronization with the grid or the start-up power shall only be made available after commissioning of plant and in the event of outages for annual planned maintenance, other maintenance, forced outages of generating units or also in the event of separation of generator from grid.
  - (vi) The synchronization with the grid, power shall be provided for a maximum period of 2 hours on each occasion. This time limit shall not be applicable to start up activity
  - (vii) The generator including CPP shall execute an agreement with the Licensee for meeting the requirement of synchronization with the grid or for start-up power incorporating the above terms and conditions.

-----