

**Annexure II: Approved Tariff Schedule****MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.  
(WITH EFFECT FROM SEPTEMBER 1, 2010)**

The Maharashtra Electricity Regulatory Commission, in exercise of the powers vested in it under Section 61 and Section 62 of the Electricity Act, 2003 and all other powers enabling it in this behalf, has determined, by its Order dated September 12, 2010 in the matter of Case No.111 of 2009, the retail tariff for supply of electricity by Maharashtra State Electricity Distribution Company Limited (MSEDCL) for various classes of consumers as applicable from September 1, 2010.

**GENERAL:**

1. These tariffs supersede all tariffs so far in force including in the case where any agreement provides specifically for continuance of old agreemental tariff, or any modifications thereof as may have been already agreed upon.
2. Tariffs are subject to revision and/or surcharge that may be levied by MSEDCL from time to time as per the directives of the Commission.
3. The tariffs are exclusive of Electricity Duty, Tax on Sale of Electricity (ToSE) and other charges as levied by Government or other competent authorities and the same, will be payable by the consumers in addition to the charges levied as per the tariffs hereunder.
4. The tariffs are applicable for supply at one point only.
5. MSEDCL reserves the right to measure the Maximum Demand for any period shorter than 30 minutes period of maximum use, subject to conformity with the prevalent Supply Code, in cases where MSEDCL considers that there are considerable load fluctuations in operation.
6. The tariffs are subject to the provisions of the MERC (Electricity Supply Code and Other Conditions of Supply) Regulations, 2005 in force (i.e., as on September 1, 2010) and directions, if any that may be issued by the Commission from time to time.
7. Unless specifically stated to the contrary, the figures of Energy Charge relate to Rupees per unit (kWh) charge for energy consumed during the month.
8. Fuel Adjustment Costs (FAC) Charge as may be approved by the Commission from time to time shall be applicable to all categories of consumers and will be charged over



and above the tariffs on the basis of FAC formula specified by the Commission and computed on a monthly basis.

## **LOW TENSION (LT) – TARIFF**

### **LT I: LT – Residential (BPL)**

#### Applicability

Residential consumers who have a sanctioned load of up to and less than 0.1 kW, and who have consumed less than 360 units per annum in the previous financial year. The applicability of BPL category will have to be assessed at the end of each financial year. In case any BPL consumer has consumed more than 360 units in the previous financial year, then the consumer will henceforth, be considered under the LT-I residential category. Once a consumer is classified under the LT-I category, then he cannot be classified under BPL category.

The categorisation of such BPL consumers will be reassessed at the end of the financial year, on a pro-rata basis. Similarly, the classification of BPL consumers who have been added during the previous year would be assessed on a pro-rata basis, i.e., 30 units per month.

All the new consumers subsequently added in any month with sanctioned load of upto and less than 0.1 kW and consumption between 1 to 30 units (on pro rata basis of 1 unit/day) in the first billing month, will be considered in BPL Category.

No Institutions will be covered under BPL category.

#### Rate Schedule

<b>Consumption Slab ( kWh)</b>	<b>Fixed /Demand Charge</b>	<b>Energy Charge (Rs./kWh)</b>
BPL Category	Rs. 3 per month	0.78

### **LT I: LT – Residential**

#### Applicability



Electricity used at Low/Medium Voltage for operating various appliances used for purposes like lighting, heating, cooling, cooking, washing/cleaning, entertainment/leisure, pumping in the following places:

- a) Private residential premises,
- b) Premises exclusively used for worship such as temples, gurudwaras, churches, mosques, etc. Provided that Halls, Gardens or any other portion of the premises that may be let out for consideration or used for commercial activities would be charged at LT-II tariff as applicable.
- c) All Students Hostels affiliated to Educational Institutions.
- d) All Ladies Hostels, such as Students (Girls) Hostels, Working Women Hostels, etc.
- e) Other type of Hostels, like (i) Homes/Hostels for Destitute, Handicap or Mentally deranged persons (ii) Remand Homes (iii) Dharamshalas, etc., subject to verification and confirmation by MSEDCL's concerned Zonal Chief Engineer.
- f) Telephone booth owned/operated by handicapped person subject to verification and confirmation by MSEDCL's concerned Zonal Chief Engineer.
- g) Residential premises used by professionals like Lawyers, Doctors, Professional Engineers, Chartered Accountants, etc., in furtherance of their professional activity in their residences but shall not include Nursing Homes and any Surgical Wards or Hospitals.

#### Rate Schedule

<b>Consumption Slab ( kWh)</b>	<b>Fixed/Demand Charge</b>	<b>Energy Charge (Rs./kWh)</b>
0-100 units		2.47
101 – 300 units	Single Phase : Rs. 30 per month Three Phase : Rs. 100 per month <sup>\$\$</sup>	4.37
301 – 500 units		6.25
501 – 1000 units		7.25
Above 1000 units (balance units)		7.50

#### Note:

- a) <sup>\$\$</sup>.. Additional Fixed Charge of Rs. 100 per 10 kW load or part thereof above 10 kW load shall be payable.



- b) Professionals like Lawyers, Doctors, Professional Engineers, Chartered Accountants, etc., occupying premises exclusively for conducting his profession, shall not be eligible for this tariff.

**LT II: LT– Non-Residential or Commercial**

Applicability

(A) 0-20kW

**(i) Educational Institutions, Hospitals and Dispensaries:**

Electricity used at Low/Medium Voltage in all Educational Institutions, Hospitals and Dispensaries upto a load of 20 kW.

**(ii) Others**

Electricity used at Low/Medium Voltage in all non-residential, non-industrial premises and/or commercial premises for commercial consumption meant for operating various appliances used for purposes such as lighting, heating, cooling, cooking, washing/cleaning, entertainment/leisure, pumping in following places:

- a) Non-Residential, Commercial and Business premises, including Shopping malls
- b) Combined lighting and power services for Entertainment including film studios, cinemas and theatres, including multiplexes, Hospitality, Leisure, Meeting Halls and Recreation places.
- c) Electricity used for the external illumination of monumental/historical/heritage buildings approved by MTDC.
- d) Construction purposes upto 1 year

Consumption Slab ( kWh)	Fixed/ Demand Charge	Energy Charge (Rs./kWh)
<b>(A) 0-20 kW</b>		
<b>(i) Educational Institutions, Hospitals and Dispensaries</b>		
0 to 200 units per month	Rs. 150 per month	4.30
Above 200 units per	Rs. 150 per month	6.00



Consumption Slab ( kWh)	Fixed/ Demand Charge	Energy Charge (Rs./kWh)
month (only balance consumption)		
<b>(ii) Others</b>		
0 to 200 units per month	Rs. 150 per month	4.50
Above 200 units per month (only balance consumption)	Rs. 150 per month	6.45

(B) > 20 kW and ≤ 50 kW and (C) > 50 kW

Applicability

Electricity used at Low/Medium Voltage in all non-residential, non-industrial premises and/or commercial premises for commercial consumption meant for operating various appliances used for purposes such as lighting, heating, cooling, cooking, washing/cleaning, entertainment/leisure, pumping in following places:

- e) Non-Residential, Commercial and Business premises, including Shopping malls
- f) All Educational Institutions, Hospitals and Dispensaries above 20 kW
- g) Combined lighting and power services for Entertainment including film studios, cinemas and theatres, including multiplexes, Hospitality, Leisure, Meeting Halls and Recreation places.
- h) Electricity used for the external illumination of monumental/historical/heritage buildings approved by MTDC.
- i) Construction purposes upto 1 year

Consumption Slab ( kWh)	Fixed/ Demand Charge	Energy Charge (Rs./kWh)
<b>(B) &gt; 20 kW and ≤ 50 kW</b>	<u>Rs. 150 per kVA per month</u>	6.50
<b>(C) &gt; 50 kW</b>		8.40



<b>TOD Tariffs (in addition to above base tariffs)</b>		
0600 to 0900 hours		0.00
0900 to 1200 hours		0.80
1200 to 1800 hours		0.00
1800 to 2200 hours		1.10
2200 to 0600 hours		-0.85

**Note:**

The ToD tariff is applicable for LT-II (B) and (C) category, and optionally available to LT- II (A) having ToD meter installed.

**LT III: LT - Public Water Works and Sewage Treatment Plants**Applicability

Applicable for LT Power Supply to Public Water Supply Schemes and Sewage Treatment Plants.

Rate Schedule

<b>Consumer Category</b>	<b>Fixed/Demand Charge</b>	<b>Energy Charge (Rs./kWh)</b>
(A) 0 - 20 kW	Rs 40 per kVA per month	1.72
(B) >20 kW and ≤ 40 kW	Rs 50 per kVA per month	2.22
(C) >40 kW and ≤ 50 kW	Rs 70 per kVA per month	3.02
<b>TOD Tariffs (in addition to above base tariffs)</b>		
0600 to 0900 hours		0.00
0900 to 1200 hours		0.80
1200 to 1800 hours		0.00
1800 to 2200 hours		1.10
2200 to 0600 hours		-0.85

**LT IV: LT- Agricultural**Applicability

Applicable for motive power services exclusively for Agricultural pumping loads and pre-cooling & cold storage for Agricultural Produce on LT Supply.



**Rate Schedule**

<b>Consumer Category</b>	<b>Fixed/Demand Charge</b>	<b>Energy Charge (Rs./kWh)</b>
<b>LT IV – Agriculture</b>		
Un-metered Tariff		
<b>Category 1 Zones*</b>		
(a) 0-5 HP	Rs. 276 per kW per month- (Rs 206 per HP per month)	Nil
(b) Above 5 HP	Rs. 315 per kW per month- (Rs 235 per HP per month)	Nil
<b>Category 2 Zones#</b>		
(a) 0-5 HP	Rs 237 per kW per month- (Rs. 176 per HP per month)	
(b) Above 5 HP	Rs 268 per kW per month- (Rs. 200 per HP per month)	
Metered Tariff (including Poultry Farms)	Rs 20 per kW per month- (Rs 15 per HP per month)	1.54

<b>*Category 1 Zones (with consumption norm above 1318 hours/HP/year)</b>		
1) Bhandup (U)	2) Pune	3) Nashik

<b>#Category 2 Zones (with consumption norm below 1318 hours/HP/year)</b>		
1) Amravati	2) Aurangabad	3) Kalyan
4) Konkan	5) Kolhapur	6) Latur
7) Nagpur (U)	8) Nagpur	

**Note:**

- i. Above tariffs shall be applicable irrespective of whether pre-cooling & cold storage for Agricultural Produce are being used by farmers or traders, and irrespective of the ownership pattern.



- ii. The Flat Rate tariff as above will remain in force only till meters are installed, and once meter is installed; the consumer will be billed as per the tariff applicable to metered agricultural consumers.
- iii. The list of Category 1 Zones (with consumption norm above 1318 hours/HP/year) & Category 2 Zones (with consumption norm below 1318 hours/HP/year) is given above.
- iv. The Poultry (exclusively undertaking Layer & Broiler activities) consumers as well as High Tech Agricultural (i.e. Tissue Culture, Green House, Mushroom activities) consumers will be billed as per agricultural metered tariff.
- v. Supply under this tariff will be given for minimum load of 2 HP. If any consumer requires any load of less than 2 HP for agricultural purposes, he shall be required to pay the Fixed Charge/Energy Charge on this basis as if a load of 2 HP is connected.
- vi. This tariff is also available for purpose of operating a cane crusher and/or fodder cutter, etc., for self use for agricultural processing purpose, but not for operating a flour mill, oil mill or expeller in the same premises, either operated by a separate motor or change of belt drive.
- vii. One lamp of wattage up to 40 watts will be allowed to be connected to the motive power circuit for use in the pump house.

### **LT V: LT- Industry**

#### **Applicability**

Applicable for industrial use at Low/Medium Voltage in premises for purpose of manufacturing, including that used within these premises for general lighting, heating/cooling, etc., excluding Agricultural Pumping Loads. This consumer category also includes IT industry and IT enabled services (as defined in the Government of Maharashtra Policy).



Rate Schedule

Consumer Category	Fixed/Demand Charge	Energy Charge (Paise/kWh)
<b>LT V - Industrial</b>		
(A) 0 - 20 kW (upto and including 27 HP)	Rs. 150 per connection per month	3.90
(B) Above 20 kW (above 27 HP)	Rs. 100 per kVA per month	5.40
<b>TOD Tariff (In addition to above base tariffs)</b>		
0600 hrs - 0900 hrs		0.00
0900 hrs - 1200 hrs		0.80
1200 hrs - 1800 hrs		0.00
1800 hrs - 2200 hrs		1.10
2200 hrs - 0600 hrs		-0.85

**Note:**

- a) The ToD tariff is applicable for LT V (B) and optionally available to LT- V (A) having ToD meter installed.

**LT VI: LT- Street Lights**Applicability

Electricity used at Low/Medium Voltage for purpose of public street lighting, lighting in public gardens, traffic island, bus shelters, public sanitary conveniences, police chowkies, traffic lights, public fountains, and other such common public places irrespective of whether such facilities are being provided by the Government or other private parties.

Rate Schedule

Consumer Category	Fixed/Demand Charge	Energy Charge (Rs./kWh)
<b>LT VI - Street Light</b>		
(A) Grampanchayat, A, B & C Class Municipal Council	Rs 30 per KW per month	3.10



(B) Municipal Corporation Areas	3.70
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**Note:**

Street Lightings having 'Automatic Timers' for switching On/Off the street lights would be levied Demand Charges on lower of the following–

- 50 percent of 'Contract Demand' or
- Actual 'Recorded Demand'

**LT VII: LT-Temporary Supply****Applicability****LT VII (A) – Temporary Supply Religious (TSR)**

Electricity supplied at Low/Medium Voltage for temporary purposes during public religious functions like Ganesh Utsav, Navaratri, Eid, Moharam, Ram Lila, Ambedkar Jayanti, Diwali, Christmas, Guru Nanak Jayanti, etc., or areas where community prayers are held, for a period of up to one (1) year.

**LT VII (B) - Temporary Supply Others (TSO)**

Electricity used at Low/Medium Voltage on a temporary basis for decorative lighting for exhibitions, circus, film shooting, marriages, etc. and any activity not covered under tariff LT VII (A), and electricity used at low/medium voltage on an emergency basis for purpose of fire fighting activity by the fire department in residential/other premises, for a period of up to one (1) year.

**Rate Schedule**

Consumption (kWh)	Slab	Fixed/Demand Charge	Energy Charge (Rs./kWh)
LT VII (A) – All Units		Rs. 200 per connection per month	2.52
LT VII (B) – All Units		Rs. 250 per connection month	11.50

**Note:**

In case of LT VII (B), Additional fixed charges of Rs. 150 per 10 kW load or part thereof above 10 kW load shall be payable



**LT VIII: LT - Advertisements and Hoardings****Applicability**

Electricity used for the purpose of advertisements, hoardings and other conspicuous consumption such as external flood light, displays, neon signs at departmental stores, malls, multiplexes, theatres, clubs, hotels and other such entertainment/leisure establishments except those specifically covered under LT-II as well as electricity used for the external illumination of monumental, historical/heritage buildings approved by MTDC, which shall be covered under LT-II category depending upon Sanctioned Load.

**Rate Schedule**

<b>Consumption Slab ( kWh)</b>	<b>Fixed / Demand Charge</b>	<b>Energy Charge (Rs./kWh)</b>
All Units	Rs. 400 per connection month	16.00

**Note:**

The electricity, that is used for the purpose of indicating/displaying the name and other details of the shops or Commercial premises, for which electric supply is rendered, shall not be under LT VIII tariff Category. Such usage of electricity shall be covered under the prevailing tariff of such shops or commercial premises.

**LT IX: LT- Crematorium and Burial Grounds****Applicability**

Electricity used at Low/Medium Voltage in Crematorium and Burial Grounds for all purposes including lighting, and will be applicable only to the portion catering to such activities, and in case part of the area is being used for other commercial purposes, then a separate meter will have to be provided for the same, and the consumption in this meter will be chargeable under LT-II Commercial rates as applicable.

**Rate Schedule**

<b>Consumption Slab (kWh)</b>	<b>Fixed/Demand Charge</b>	<b>Energy Charge ( Rs./kWh)</b>
All Units	Rs. 200 per connection per month	2.52





## HIGH TENSION (HT) – TARIFF

### 1. HT I : HT- Industry

#### Applicability

This category includes consumers taking 3-phase electricity supply at High Voltage for industrial purpose. This Tariff shall also be applicable to IT Industry & IT enabled services (as defined in the Government of Maharashtra policy).

#### Seasonal Industry

Applicable to Seasonal consumers, who are defined as "One who works normally during a part of the year up to a maximum of 9 months, such as Cotton Ginning Factories, Cotton Seed Oil Mills, Cotton Pressing Factories, Salt Manufacturers, Khandsari/Jaggery Manufacturing Units, or such other consumers who opt for a seasonal pattern of consumption, such that the electricity requirement is seasonal in nature.

#### Rate Schedule

Consumer Category	Demand Charge	Energy Charge (Rs./kWh)
<b>HT I - Industry</b>		
Continuous Industry (on express feeder)	Rs.150 per kVA per month	5.27
Non-continuous Industry (not on express feeder)	Rs.150 per kVA per month	4.80
Seasonal Industry	Rs.150 per kVA per month	5.90
<b>TOD Tariff (In addition to above base tariff)</b>		
0600 to 0900 hours		0.00
0900 to 1200 hours		0.80
1200 to 1800 hours		0.00
1800 to 2200 hours		1.10
2200 to 0600 hours		-0.85

#### Note:



- i. High Tension Industrial consumers having captive generation facility synchronised with the grid, will pay additional demand charges of Rs. 20/kVA/Month only on the extent of standby contract demand component and not on the entire Contract Demand (Standby Contract demand component).
- ii. Standby Charges will be levied on such consumers on the standby component, only if the consumer's demand exceeds the Contract Demand.
- iii. This additional Demand Charge will not be applicable, if there is no standby demand & the Captive Unit is synchronised with the Grid only for the export of power.
- iv. Only HT industries connected on express feeders and demanding continuous supply will be deemed as HT continuous industry and given continuous supply, while all other HT industrial consumers will be deemed as HT non-continuous industry.

## **HT II: HT- Commercial**

### Applicability

#### **HT II (A): EXPRESS FEEDERS**

##### **(i) Educational Institutions & Hospitals:**

This category covers consumers of electricity such as all Educational Institutions and all Hospitals taking supply at High Voltage on Express Feeders.

##### **(ii) Others:**

This category also includes consumers taking electricity supply at High Voltage for commercial purposes, including Hotels, Shopping Malls, film studios, cinemas and theatres, including multiplexes on Express feeder.

This category includes consumers taking supply for Construction purposes at HT voltages, including Infrastructure Projects, Buildings, Hill Station, etc. on Express feeder. The Consumers belonging to HT II requiring a single point supply for the purpose of downstream consumption by separately identifiable entities will have to either operate through a franchisee route or such entities will have to take individual connections under



relevant category. These downstream entities will pay appropriate tariff as applicable as per MSEDCL Tariff Schedule, i.e., LT II.

## **HT II (B): NON- EXPRESS FEEDERS**

### **(i) Educational Institutions & Hospitals:**

This category covers consumers of electricity such as all Educational Institutions and all Hospitals taking supply at High Voltage on Non -Express Feeders.

### **(ii) Others:**

This category also includes consumers taking electricity supply at High Voltage for commercial purposes, including Hotels, Shopping Malls, film studios, cinemas and theatres, including multiplexes on Non-express feeder.

This category includes consumers taking supply for Construction purposes at HT voltages, including Infrastructure Projects, Buildings, Hill Station, etc. on Non-Express feeder.

The Consumers belonging to HT II requiring a single point supply for the purpose of downstream consumption by separately identifiable entities will have to either operate through a franchisee route or such entities will have to take individual connections under relevant category. These downstream entities will pay appropriate tariff as applicable as per MSEDCL Tariff Schedule, i.e., LT II.

### Rate Schedule

<b>Consumption Slab ( kWh)</b>	<b>Fixed/ Demand Charge</b>	<b>Energy Charge (Rs./kWh)</b>
<b>HT II - Commercial</b>		
<b>(A) Express Feeders</b>		
(i) Educational institutions & hospitals	Rs 150 per kVA per month	7.65
(ii) Others		7.95
<b>(B) Non-express feeders</b>		



<b>Consumption Slab ( kWh)</b>	<b>Fixed/ Demand Charge</b>	<b>Energy Charge (Rs./kWh)</b>
(iii) Educational institutions & hospitals	Rs 150 per kVA per month	7.15
(iv) Others		7.45
<b>TOD Tariffs (in addition to above base tariffs)</b>		
0600 to 0900 hours		0.00
0900 to 1200 hours		0.80
1200 to 1800 hours		0.00
1800 to 2200 hours		1.10
2200 to 0600 hours		-0.85

### **HT III: HT - Railway Traction**

#### Applicability

This tariff is applicable to Railway Traction only.

#### Rate Schedule

<b>Consumer Category</b>	<b>Demand Charge (Rs/kVA/month)</b>	<b>Energy Charge (Rs./kWh)</b>
<b>HT III - Railway Traction</b>	Nil	5.80

### **HT IV: HT - Public Water Works and Sewage Treatment Plants**

#### Applicability

This tariff will be applicable for all Public Water Supply scheme consumers and Sewage Treatment Plants taking supply at High Voltage.

#### Rate Schedule

<b>Consumer Category</b>	<b>Demand Charge</b>	<b>Energy Charge (Rs./kWh)</b>



<b>HT IV - Public Water Works</b>		
Express Feeders	Rs. 150 per kVA per	3.75
Non- Express Feeders	month	3.60
<b>TOD Tariff (In addition to above base tariff)</b>		
0600 to 0900 hours		0.00
0900 to 1200 hours		0.80
1200 to 1800 hours		0.00
1800 to 2200 hours		1.10
2200 to 0600 hours		-0.85

**HT V: HT – Agricultural****Applicability**

Applicable for High Tension Agricultural Pumping loads, including HT Lift Irrigation Schemes (LIS) irrespective of ownership and also for

- (i) Poultry (exclusively for Layer & Broiler Activities),
- (ii) High Tech Agricultural (i.e. Green Houses, Tissue Culture, Mushroom, etc.) purpose;
- (iii) Pre-cooling & Cold Storage for Agricultural Produce

**Note:**

Above shall be applicable irrespective of whether pre-cooling & cold storage are being used by farmers or traders, and irrespective of the ownership pattern.

**Rate Schedule**

<b>Consumption (kWh)</b>	<b>Slab</b>	<b>Demand Charge</b>	<b>Energy Charge (Rs./kWh)</b>
<b>All Units</b>		Rs. 25 per kVA per month	2.15

**HT VI:****Applicability**

Applicable for consumers taking supply at HT voltages at single point for consumption within HT Residential Complexes, viz., Group Housing Societies, Colonies of industrial consumers and educational institutions, and Commercial Complexes only.

Rate Schedule

Consumer Category	Demand Charge	Energy Charge (Rs./kWh)
<b>HT VI</b>		
Group Housing Society	Rs. 125 per kVA per month	3.72
Commercial Complex		6.30

Note:

- i. Demand Charges as above will however be applicable only when the power supply to such Residential/Commercial Complexes is given through independent point of supply. In case of mixed complexes, use of sub-meters is essential for arriving at energy charges for type of category. HT VI tariff will be applicable only for Group Housing Societies and Colonies of industrial consumers and educational institutions.
- ii. MSEDCL is directed to ensure metering arrangements so that consumers currently classified under HT-VI Commercial Category, and requiring a single point supply, will have to either operate through a franchise route or take individual connections under relevant category.

**HT VII: HT- Mula Pravara Electric Co-op Society**

Applicability

Applicable to Mula Pravara Electric Co-op Society only.

Rate Schedule

Consumption (kWh)	Slab	Demand Charge	Energy Charge (Rs./kWh)
All Units		Rs. 100 per kVA per month	2.62



**Note:**

Demand charge is to be levied on simultaneous Maximum Demand across all the input points.

**HT VIII - HT - Temporary Supply****Applicability**

Electricity used at High Voltage on a temporary basis of supply for any decorative lighting for exhibitions, circus, film shooting, marriages, etc., for a period of less than one (1) year

This category also includes electricity supplied at High Voltage for temporary purposes during public religious functions like Ganesh Utsav, Navaratri, Eid, Moharam, Ram Lila, Ambedkar Jayanti, Diwali, Christmas, Guru Nanak Jayanti, etc. or areas where community prayers are held.

**Rate Schedule**

<b>Consumption (kWh)</b>	<b>Slab</b>	<b>Fixed/Demand Charge</b>	<b>Energy Charge (Rs./kWh)</b>
<b>Temporary Supply - All units</b>		Rs. 200 per connection per month	10.12

**Note:**

Additional fixed charges of Rs. 150 per 10 kW load or part thereof above 10 kW load shall be payable.

**MISCELLANEOUS AND GENERAL CHARGES****Fuel Adjustment Cost (FAC) Charges**

The FAC charge will be determined based on the approved Formula and relevant directions, as may be given by the Commission from time to time and will be applicable to all consumer categories for their entire consumption. The FAC Formula takes into



account any change in the cost of own generation and power purchase due to variations in the fuel cost. Fuel Price shall mean the landed cost of fuel at power station battery limits and will consist of only following components:

- a) Basic Fuel Price including statutory taxes, duties, royalty as applicable
- b) Transportation (freight) cost by rail/road/pipeline or any other means including transportation service charges for bringing fuel up to the Power Station boundary.
- c) Fuel Treatment Charges such as washing / cleaning charges, Sizing Crushing Charges, Fuel Analysis Charges etc. for making fuel up to the required grade / quality
- d) Fuel Handling Charges, including that towards loading and unloading charges for bringing fuel to the power station boundary.

Besides above, the Commission specifies a ceiling on 'transportation service charge', at 2% of the freight charge.

The FAC charge shall be computed and levied/refunded, as the case may be, on a monthly basis. The following Formula shall be used for computing FAC:

FAC = C + I + B where,

FAC = Total Fuel Cost and Power Purchase Cost Adjustment

C = Change in cost of own generation and power purchase due to variation in the fuel cost,

I = Interest on Working Capital,

B = Adjustment Factor for over-recovery/under-recovery.

The details for each month shall be available on MSEDCL website at [www.mahadiscom.in](http://www.mahadiscom.in).

#### Electricity Duty

The Electricity Duty and Tax on Sale of Electricity will be charged in addition to charges levied as per the tariffs mentioned hereunder (as approved by the Commission) as per the Government guidelines from time to time. However, the rate and the reference number of the Government Resolution/ Order vide which the Electricity Duty and Tax on Sale of



Electricity is made effective, shall be stated in the bill. A copy of the said Resolution/Order shall be made available on MSEDCL website at [www.mahadiscom.in](http://www.mahadiscom.in).

#### Power Factor Calculation

Wherever, the average power factor measurement is not possible through the installed meter, the following method for calculating the average power factor during the billing period shall be adopted-

$$\text{Average Power Factor} = \frac{\text{Total}(kWh)}{\text{Total}(kVAh)}$$

$$\text{Wherein the } kVAh \text{ is} = \sqrt{\sum (kWh)^2 + \sum (RkVAh)^2}$$

(i.e., Square Root of the summation of the squares of kWh and RkVAh )

Power Factor Incentive (Applicable for HT I, HT II, HT IV, HT V and HT VI categories, as well as LT II (B), LT II (C), LT III, and LT V (B) categories)

Whenever the average power factor is more than 0.95, an incentive shall be given at the rate of the following percentages of the amount of the monthly bill including energy charges, reliability charges, FAC, and Fixed/Demand Charges, but excluding Taxes and Duties:

Sl.	Range of Power Factor	Power Factor Level	Incentive
1	0.951 to 0.954	0.95	0%
2	0.955 to 0.964	0.96	1%
3	0.965 to 0.974	0.97	2%
4	0.975 to 0.984	0.98	3%
5	0.985 to 0.994	0.99	5%
6	0.995 to 1.000	1.00	7%

#### Note:

PF to be measured/computed upto 3 decimals, after universal rounding off

Power Factor Penalty (Applicable for HT I, HT II, HT IV, HT V and HT VI categories, as well as LT II (B), LT II (C), LT III, and LT V (B) categories)



Whenever the average PF is less than 0.9, penal charges shall be levied at the rate of the following percentages of the amount of the monthly bill including energy charges, reliability charges, FAC, and Fixed/Demand Charges, but excluding Taxes and Duties:

Sl.	Range of Power Factor	Power Factor Level	Penalty
1	0.895 to 0.900	0.90	0%
2	0.885 to 0.894	0.89	2%
3	0.875 to 0.884	0.88	3%
4	0.865 to 0.874	0.87	4%
5	0.855 to 0.864	0.86	5%
6	0.845 to 0.854	0.85	6%
7	0.835 to 0.844	0.84	7%
8	0.825 to 0.834	0.83	8%
9	0.815 to 0.824	0.82	9%
10	0.805 to 0.814	0.81	10%
...	...	...	...

**Note:**

PF to be measured/computed upto 3 decimals, after universal rounding off

**Prompt Payment Discount**

A prompt payment discount of one percent on the monthly bill (excluding Taxes and Duties) shall be available to the consumers if the bills are paid within a period of 7 days from the date of issue of the bill, or within 5 days of the receipt of the bill, whichever is later.

**Delayed Payment Charges (DPC)**

In case the electricity bills are not paid within the due date mentioned on the bill, delayed payment charges of 2 percent on the total electricity bill (including Taxes and Duties) shall be levied on the bill amount. For the purpose of computation of time limit for payment of bills, "the day of presentation of bill" or "the date of the bill" or "the date of issue of the bill", etc. as the case may be, will not be excluded.



Rate of Interest on Arrears

The rate of interest chargeable on arrears will be as given below for payment of arrears-

Sl.	Delay in Payment ( months)	Interest Rate per annum (%)
1	Payment after due date up to 3 months ( 0-3)	12
2	Payment made after 3 months and before 6 months (3-6)	15
3	Payment made after 6 months (>6)	18

Load Factor Incentive

Consumers having load factor over 75% upto 85% will be entitled to a rebate of 0.75% on the energy charges for every percentage point increase in load factor from 75% to 85%. Consumers having a load factor over 85 % will be entitled to rebate of 1% on the energy charges for every percentage point increase in load factor from 85%. The total rebate under this head will be subject to a ceiling of 15% of the energy charges for that consumer. This incentive is limited to HT I and HT II categories only. Further, the load factor rebate will be available only if the consumer has no arrears with MSEDCL, and payment is made within seven days from the date of the bill. However, this incentive will be applicable to consumers where payment of arrears in instalments has been granted by MSEDCL, and the same is being made as scheduled. MSEDCL has to take a commercial decision on the issue of how to determine the time frame for which the payments should have been made as scheduled, in order to be eligible for the Load Factor incentive.

The Load Factor has been defined below:

$$\text{Load Factor} = \frac{\text{Consumption during the month in MU}}{\text{Maximum Consumption Possible during the month in MU}}$$

Maximum consumption possible = Contract Demand (kVA) x Actual Power Factor  
x (Total no. of hrs during the month less planned load shedding hours\*)

\* - Interruption/non-supply to the extent of 60 hours in a 30 day month has been built in the scheme.



In case the billing demand exceeds the contract demand in any particular month, then the load factor incentive will not be payable in that month. (The billing demand definition excludes the demand recorded during the non-peak hours i.e. 22:00 hrs to 06:00 hrs and therefore, even if the maximum demand exceeds the contract demand in that duration, load factor incentives would be applicable. However, the consumer would be subjected to the penal charges for exceeding the contract demand and has to pay the applicable penal charges).

#### Penalty for exceeding Contract Demand

In case, a consumer (availing Demand based Tariff) exceeds his Contract Demand, he will be billed at the appropriate Demand Charge rate for the Demand actually recorded and will be additionally charged at the rate of 150% of the prevailing Demand Charges (only for the excess Demand over the Contract Demand).

In case any consumer exceeds the Contract Demand on more than three occasions in a calendar year, the action taken in such cases would be governed by the Supply Code.

#### Additional Demand Charges for Consumers having Captive Power Plant

For customers having Captive Power Plant (CPP), the additional demand charges would be at a rate of Rs. 20/ kVA/month only on extent of Stand-by demand component, and not on the entire Contract Demand. Additional Demand Charges will be levied on such consumers on the Stand-by component, only if the consumer's demand exceeds the Contract Demand.

#### Security Deposit

- 1) Subject to the provisions of sub-section (5) of Section 47 of the Act, the Distribution Licensee may require any person to whom supply of electricity has been sanctioned to deposit a security in accordance with the provisions of clause (a) of sub-section (1) of Section 47 of the Electricity Act, 2003.
- 2) The amount of the security shall be an equivalent of the average of three months of billing or the billing cycle period, whichever is lesser. For the purpose of determining the average billing, the average of the billing to the consumer for the last twelve



months, or in cases where supply has been provided for a shorter period, the average of the billing of such shorter period, shall be considered:

Provided that in the case of seasonal consumers, the billing for the season for which supply is provided shall be used to calculate the average billing.

- 3) Where the Distribution Licensee requires security from a consumer at the time of commencement of service, the amount of such security shall be estimated by the Distribution Licensee based on the tariff category and contract demand / sanctioned load, load factor, diversity factor and number of working shifts of the consumer.
- 4) The Distribution Licensee shall re-calculate the amount of security based on the actual billing of the consumer once in each financial year.
- 5) Where the amount of security deposit maintained by the consumer is higher than the security required to be maintained under MERC (Supply Code) Regulation, 2005, the Distribution Licensee shall refund the excess amount of such security deposit in a single payment:

Provided that such refund shall be made upon request of the person who gave the security and with an intimation to the consumer, if different from such person, shall be, at the option of such person, either by way of adjustment in the next bill or by way of a separate cheque payment within a period of thirty (30) days from the receipt of such request:

Provided further that such refund shall not be required where the amount of refund does not exceed the higher of ten (10) per cent of the amount of security deposit required to be maintained by the consumer or Rupees Three Hundred.

- 6) Where the amount of security re-calculated pursuant as above, is higher than the security deposit of the consumer, the Distribution Licensee shall be entitled to raise a demand for additional security on the consumer.

Provided that the consumer shall be given a time period of not less than thirty days to deposit the additional security pursuant to such demand.

- 7) Upon termination of supply, the Distribution Licensee shall, after recovery of all amounts due, refund the remainder amount held by the Distribution Licensee to the person who deposited the security, with an intimation to the consumer, if different from such person.



- 8) A consumer - (i) with a consumption of electricity of not less than one lac (1,00,000) kilo-watt hours per month; and (ii) with no undisputed sums payable to the Distribution Licensee under Section 56 of the Act may, at the option of such consumer, deposit security, by way of cash, irrevocable letter of credit or unconditional bank guarantee issued by a scheduled commercial bank.
- 9) The Distribution Licensee shall pay interest on the amount of security deposited in cash (including cheque and demand draft) by the consumer at a rate equivalent to the bank rate of the Reserve Bank of India:  
Provided that such interest shall be paid where the amount of security deposited in cash under the Regulation 11 of Supply Code of is equal to or more than Rupees Fifty.
- 10) Interest on cash security deposit shall be payable from the date of deposit by the consumer till the date of dispatch of the refund by the Distribution Licensee.

**Definitions:****Billing Demand for LT Consumer Categories**

Billing Demand for LT II (B), LT II (C), LT III and LT V (B) category having MD based tariff:-

Monthly Billing Demand will be the higher of the following:

- a) 65% of the Actual Maximum Demand recorded in the month during 0600 hours to 2200 hours
- b) 40% of the Contract Demand

**Note:**

- Demand registered during the period 0600 to 2200 hrs. will only be considered for determination of the Billing demand.
- In case of change in Contract Demand, the period specified in Clause (a) above will be reckoned from the month following the month in which the change of Contract Demand takes place.

**Billing Demand for HT Consumer Categories**

**Billing Demand for HT I, HT II, HT III, HT IV, HT V, HT VI, and HT VII)**

Monthly Billing Demand will be the higher of the following:

- iv. Actual Maximum Demand recorded in the month during 0600 hours to 2200 hours
- v. 75% of the highest billing demand recorded during the preceding eleven months, subject to the limit of Contract Demand
- vi. 50% of the Contract Demand.

**Note:**

- Demand registered during the period 0600 to 2200 hrs will only be considered for determination of the Billing demand.
- In case of change in Contract Demand, the period specified in Clause (i) above will be reckoned from the month following the month in which the change of Contract Demand takes place.

**HT Seasonal Category (HT I)**

During Declared Season, Monthly Billing Demand will be the higher of the following:

- iv. Actual Maximum Demand recorded in the month during 0600 hours to 2200 hours
- v. 75% of the Contract Demand
- vi. 50 kVA.

**During Declared Off-season**

Monthly Billing Demand will be the following:

- i) Actual Maximum Demand recorded in the month during 0600 hours to 2200 hours



The Billing Demand for the consumers with CPP will be governed as per the CPP Order in case No. 55 and 56 of 2003

Contract Demand

Contract Demand means demand in Kilowatt (kW) / Kilo –Volt Ampere (kVA), mutually agreed between MSEDCL and the consumer as entered into in the agreement or agreed through other written communication (For conversion of kW into kVA, Power Factor of 0.80 shall be considered).

Sanctioned Load

Sanctioned Load means load in Kilowatt (kW) mutually agreed between MSEDCL and the consumer.

In case the meter is installed on the LV/MV side, the methodology to be followed for billing purpose is as follows

- 2% to be added to MV demand reading, to determine the kW or kVA billing demand, and
- 'X' units to the MVA reading to determine the total energy compensation to compensate the transformation losses, where is calculated as follows  
'X' =  $(730 * \text{KVA rating of transformer})/500$  Units/month, to compensate for the iron losses, plus one percent of units registered on the LT side for copper losses.



**APPENDIX 1****List of persons who attended the Technical Validation Session held on March 17, 2010**

<b>S.No</b>	<b>Name</b>
	<b>MSEDCL Officials</b>
1	Shri S.V. Bapat
2	Shri D.N. Sangelkar
3	Shri Amol A. More
4	Shri S.S. Katkar
5	Shri Anil V. Kale
6	Shri Sanjay Jha
7	Shri Ajay Mehta
8	Shri Abhijeet Deshpande
9	Shri Mahesh Kamble
10	Shri B.K. Verulkar
11	Shri D.D. Wavhal
12	Shri S. R. Dabhade
	<b>Others</b>
13	Shri N. Ponrathnam
14	Shri Ashwini Chitnis
15	Shri Ashok Pendse
16	Shri Rakshpal Abrol
17	Shri S.L. Patil
18	Shri Raghunath Mane
	<b>Consultants to Commission</b>
19	Shri M Palaniappan
20	Shri Amit Mittal
21	Shri S. R. Karkhanis
22	Shri G. S. Rao



23	Shri Saurabh Gupta
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## APPENDIX 2

**List of persons who submitted written objections and attended the Public Hearing at six locations in the State**

