

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.



HIGH TENSION TARIFF BOOKLET APPLICABLE WITH EFFECT FROM 01/10/2006

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.

(WITH EFFECT FROM 1ST October 2006)

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 29th September 2006 as well as detailed Order dated 20th October 2006 in the matter of Case No. 54 of 2005, the tariff for supply of Electricity by Maharashtra State Electricity Distribution Company Limited (MAHAVITARAN) for various classes of consumers is applicable from 1ST October 2006 to 31ST March 2007 and has issued further clarifications to tariff so determined.

GENERAL:

1. These tariffs supersede all tariffs so far in force except 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 the MSEDCL from time to time as per the directives of the Commission.
3. The tariffs are exclusive of electricity duty, excise duty, 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. The MSEDCL reserves the right to measure the Maximum Demand on any period shorter than 30 minute period of maximum use, subject to conformity with the prevalent Supply Code, in cases where the MSEDCL considers that there are considerable load fluctuations in operation.
6. The tariffs are subject to the provisions of the MERC (Electricity Supply Code & Other Conditions of Supply) Regulation, 2005 in force (i. e. as on 20th January 2005) and directions, if any that may be issued by the Hon'ble Commission from time to time.
7. Unless specifically stated to the contrary, the figures relate to paise per unit charge for energy consumed during the month.
8. The tariff applicable for power supply on High Tension shall also be applicable for power supply on Extra High Voltage.
9. Fuel Adjustment Charge (FAC) as may be approved by the Hon'ble Commission from time to time shall be applicable to all categories of consumers.
10. The Hon. Commission has introduced a new charge "Additional Supply Charge" to compensate the costly power purchase; which will be in addition to the base tariffs.
11. The "Additional Supply Charge" shall be separately shown in the energy bills and any over or under recovery shall be adjusted against the same set of consumers.
12. Additional Supply Charges shall be considered for computing "Electricity Duty" as well the Rebates / Incentives / DPC/ Penalties / Additional Security Deposit. Similarly, the "Additional Supply Charge" shall also be considered for determination of assessment under Section 126 and Section 135 of the Electricity Act, 2003.

HIGH TENSION TARIFF

1. HT I – Industries:

Applicability:	This tariff is applicable to all High Tension industries under MSEDCL.
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BASE TARIFF:

Consumer Category	Demand Charges (Rs/KVA/month)	Energy Charge (Paise/kWh)
HT I – Industries		
Continuous Industries	350	215
Non Continuous Industries	350	285

TOD Tariff (In addition to Base Tariff):

Consumption during following hours of the day	Energy Charge (p/u)
2200 hrs - 0600 hrs	(85)
0600 hrs - 0900 hrs	0
0900 hrs - 1200 hrs	80
1200 hrs - 1800 hrs	0
1800 hrs - 2200 hrs	110

NOTE:

1. The “Additional Supply Charge” shall depend upon the ratio of contribution of costly power to the consumption mix of a particular region and therefore shall vary depending upon the geographical location (i. e. load shedding hours) & the consumer category and will be charged based on Load Shedding pattern.
2. High Tension industries & other general High Tension 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 demand component and not on the entire Contract Demand.
3. Standby Charges will be levied on such consumers on the standby component, only if the consumer’s demand exceeds the Contract Demand.
4. 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.

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2. HT II - Railway Traction:

Applicability:	This tariff is applicable to Railway Traction only.
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Consumer Category	Demand Charges (Rs/KVA/month)	Energy Charge (Paise/kWh)
HT II - Railway Traction	0	390

NOTE:

1. The "Additional Supply Charge" shall depend upon the ratio of contribution of costly power to the consumption mix of a particular region and therefore shall vary depending upon the geographical location (i. e. load shedding hours) & the consumer category and will be charged based on Load Shedding pattern.

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3. HT III - Public Water Works:

Applicability:	This tariff will be applicable for all High Tension Public Water Supply scheme consumers.
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BASE TARIFF:

Consumer Category	Demand Charges (Rs/KVA/month)	Energy Charge (Paise/kWh)
HT III - Public Water Works		
Express Feeders	350	260
Non- Express Feeders	350	240

TOD Tariff (In addition to Base Tariff):

Consumption during following hours of the day	Energy Charge (p/u)
2200 hrs - 0600 hrs	(85)
0600 hrs - 0900 hrs	0
0900 hrs - 1200 hrs	80
1200 hrs - 1800 hrs	0
1800 hrs - 2200 hrs	110

NOTE:

1. The "Additional Supply Charge" shall depend upon the ratio of contribution of costly power to the consumption mix of a particular region and therefore shall vary depending upon the geographical location (i. e. load shedding hours) & the consumer category and will be charged based on Load Shedding pattern.

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4. HT I V - 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 and (iii) Pre-cooling & Cold Storage for Agricultural Produce of Farmer's Co-operative Societies.
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BASE TARIFF:

Consumer Category	Demand Charges (Rs/KVA/month)	Energy Charge (Paise/kWh)
HT I V – Agricultural	25	130

NOTE:

1. No Additional Supply Charge applicable here as the entire consumption of this category is sourced through non-costly power.

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5. HT V - Bulk Supply:

Applicability:	Applicable for HT Residential and Commercial Complexes only.
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Consumer Category	Demand Charges (Rs/KVA/month)	Energy Charge (Paise/kWh)
HT V - Bulk Supply		
Residential Complex	150	240
Commercial Complex	150	360

NOTE:

1. 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. Residential complex will include places defined under LT-1 category.
2. The "Additional Supply Charge" shall depend upon the ratio of contribution of costly power to the consumption mix of a particular region and therefore shall vary depending upon the geographical location (i. e. load shedding hours) & the consumer category and will be charged based on Load Shedding pattern.

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6. HT VI - Seasonal Industry:

Applicability:	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.
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BASE TARIFF:

Consumer Category	Demand Charges (Rs/KVA/month)	Energy Charge (Paise/kWh)
HT VI - Seasonal Category	350	340

TOD Tariff (In addition to Base Tariff):

Consumption during following hours of the day	Energy Charge (p/u)
2200 hrs - 0600 hrs	(85)
0600 hrs - 0900 hrs	0
0900 hrs - 1200 hrs	80
1200 hrs - 1800 hrs	0
1800 hrs - 2200 hrs	110

NOTE:

- The "Additional Supply Charge" shall depend upon the ratio of contribution of costly power to the consumption mix of a particular region and therefore shall vary depending upon the geographical location (i. e. load shedding hours) & the consumer category and will be charged based on Load Shedding pattern.

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7. Mula Pravara Electric Co-op Society:

Applicability:	Applicable to Mula Pravara Electric Co-op Society only.
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Consumer Category	Demand Charges (Rs/KVA/month)	Energy Charge (Paise/kWh)
Mula Pravara Electric Co-op Society	200	280

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INCENTIVE / DISINCENTIVE AND GENERAL CHARGES:

Electricity Duty: The electricity duty will be charged as per the Government guidelines from time to time. However, the rate and the reference number of the Government Resolution/ Order vide which it 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.

Power Factor Incentive: Whenever the average power factor is more than 0.95, an incentive shall be given at the rate of 1% (one percent) of the amount of the monthly energy bill including ASC (excluding FAC charge, demand charge, and electricity duty) for every 1% (one percent) improvement in the power factor above 0.95. For PF of 0.99, the effective incentive will amount to 5% (five percent) reduction in the energy bill and for unity PF, the effective incentive will amount

to 7% (seven percent) reduction in the energy bill. Such incentive shall not be applicable for the Railways.

Power factor Penalty:

Whenever the average power factor is less than 0.9, penal charges shall be levied at the rate of 2% (two percent) of the amount of the monthly energy bill including ASC (excluding FAC charge, demand charge, and electricity duty) for first 1% (one percentage point) fall in the power factor below 0.9, beyond which the penal charges shall be levied at the rate of 1% (one percent) for each percentage point fall in the power factor below 0.89. Such disincentives shall not be applicable for the Railways.

Rate of Interest on arrears:

The rate of interest chargeable on arrears will be as given below, which shall however not be applicable in case of existing agreement or agreements entered into before 31/03/2002, for payment of arrears in instalments.

Sr. No.	Delay in Payment (span of months)	Interest rate p. a. (%)
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	18%

Bulk discount: If the consumption of any industrial consumer (availing TOD tariff and having no arrears with the MSEDCL) exceeds one million units per month, the consumer will get a rebate of 1% on his energy bill including ASC (excluding FAC charge, demand charge and electricity duty) for every one million unit consumption above one million units, subject to a maximum of 5%. The rebate will, however, be allowed only if the bill is paid within seven days from the date of the bill or within 5 days of the receipt of the bill, whichever is later. This incentive will be applicable also to consumers where payment of arrears in installments has been granted by the MSEDCL, and the same is being made as scheduled.

Sr. No.	Monthly consumption	% of Incentive
1	$0 \leq \text{Energy consumption} < 1 \text{ MU}$	NIL
2	$1 \text{ MU} \leq \text{Energy consumption} < 2 \text{ MU}$	1%
3	$2 \text{ MU} \leq \text{Energy consumption} < 3 \text{ MU}$	2%
4	$3 \text{ MU} \leq \text{Energy consumption} < 4 \text{ MU}$	3%
5	$4 \text{ MU} \leq \text{Energy consumption} < 5 \text{ MU}$	4%
6	5 MU and more Energy consumption	5%
Note: 1) \leq Denotes "less than or equal to" 2) $<$ Denotes "less than"		

Load Factor Incentive:

1) The Commission has retained the Load Factor incentive for consumers having Load Factor above 75% based on contract demand. Consumers having load factor over 75% up to 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 including ASC 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 categories only. Further, the load factor rebate will be available only if the consumer has no arrears with the MSEDCL, and payment is made within seven days from the date of the bill or within 5 days of the receipt of the bill, whichever is later. However, this incentive will be applicable to consumers where payment of arrears in installments has been granted by the MSEDCL, and the same is being made as scheduled.

2) 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.

3) 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:

1) In case, a High Tension consumer exceeds his Contract Demand, he will be billed at the appropriate Demand charges for the Demand actually recorded and will be charged at the rate of 150% of the prevailing Demand Charges for the excess Demand over the Contract Demand.

2) For such three occasions of exceeding the Contract Demand in a calendar year, the treatment would be governed by the Supply Code.

Delayed Payment Charges:

1) If the payment of the energy bill is not made within the prescribed time limit, Delayed Payment Charge at the rate of 2% of the amount of monthly energy bill (excluding Electricity Duty, Power Factor Penalty) will be payable by the High Tension consumer.

2) 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.

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.

Additional Supply Charges: 1) The consumers, for applicability of "Additional Supply Charge" shall be classified as follows, depending up on the Load Shedding Pattern;

Sr. No.	LOAD SHEDDING PATTERN	CONSUMER CATEGORY / AREA
1.	Zero Load Shedding	Consumers connected on Express / dedicated Feeder & exempted from any kind of Load Shedding, including Staggering Day
2.	11 to 12 Hrs. Load Shedding	Agricultural Dominated Area
3.	2.4 Hrs. to 4 Hrs Load shedding	Industrial & Urban Agglomeration, including MIDC / Other Industrial Estates, where only weekly one day Staggering Day is observed
4.	4.5 Hrs. to 6 Hrs. Load shedding	Other regions

2) Additional Supply Charges shall be considered for computing "Electricity Duty" as well the Rebates / Incentives/ Penalties / DPC / Additional Security Deposit. Similarly, the "Additional Supply Charge" shall also be considered for determination of assessment under Section 126 and Section 135 of the Electricity Act, 2003.

Incentives:

The Hon. Commission desires to incentivise the consumers who voluntarily reduce the consumption. This incentive is envisaged to be given effect in the Additional Supply Charge. This is proposed to be done by assessing the consumption of the consumer as against his monthly average consumption in the previous year (i.e. January-2005 to December-2005) while billing the consumer for additional supply charge. For example, if a commercial consumer located in Industrial and Urban agglomeration reduces the consumption by 5% as against the average of previous year's consumption, then only 14% (i.e. 19% - 5%; while 19% is the percentage of costly power estimated to be consumed by a commercial

consumer located in Industrial and Urban agglomeration) of his current consumption will be billed at additional supply charge. This incentive is limited to the maximum of the percentage indicated against the particular category and the region of the consumer i.e. 19% in above example.

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DEFINITIONS:

1. "BILLING DEMAND"

- A) Monthly Billing Demand will be the higher of the following:
- i. Actual Maximum Demand recorded in the month during 0600 hours to 2200 hours.
 - ii. 75% of the highest billing demand recorded during preceding eleven months subject to limit of contract demand.
 - iii. 50% of the Contract Demand.

- B) As exclusively applicable to seasonal Consumers, means the demand used for billing purposes and computed as the highest of the following:

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

- i. Actual Maximum Demand recorded in the month during 0600 hours to 2200 hours.
- ii. 75% of the Contract Demand.
- iii. 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

2. "CONTINUOUS AND NON – CONTINUOUS INDUSTRIES"

- (I) Industrial consumers who are subjected to load shedding and are not on express feeder shall be classified as "Non- Continuous Industries"
- (II) Industrial consumers who are exempted from load shedding, being on an express feeder shall be classified as "Continuous Industries"

3. "CONTRACT DEMAND" means demand in Kilowatt (kW) / Kilo – Volt Ampere (kVA), mutually agreed between the MSEDCL and the consumer as entered into in the agreement or agreed through other written communication.

4. "LOAD FACTOR" means the ratio of total number of units (kWh) consumed during a given period to the total number of units (kWh) which may have been consumed had the Contract Demand / Sanctioned Load been maintained throughout the same period, subject to availability of power supply from the MSEDCL and shall usually be expressed as a percentage;

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.

5. "MAXIMUM DEMAND" in Kilowatts or Kilo – Volt Amperes, in relation to any period shall, unless otherwise provided in any general or specific order of the Commission, means twice the largest number of Kilowatt-hours or Kilo-volt-ampere-hours supplied and taken during any consecutive thirty minute blocks in that period;
6. "SANCTIONED LOAD" means load in Kilowatt (kW) / Horse Power (HP) mutually agreed between the MSEDCL and the consumer;

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