

**MAHARASHTRA STATE
ELECTRICITY BOARD**

**HIGH TENSION TARIFF BOOKLET
APPLICABLE WITH EFFECT FROM
01/12/2003**

COST: Rs. 20/-

MAHARASHTRA STATE ELECTRICITY BOARD

(WITH EFFECT FROM 1st December 2003)

The Maharashtra Electricity Regulatory Commission (MERC) in exercise of the powers vested in it, under Section 29 of the Electricity Regulatory Commissions Act, 1998 and all other relevant powers enabling it in this behalf, has determined, by its Order dated 1st December 2003 as well as detailed Order dated 10th March 2004 in the matter of Case No. 2 of 2003, the tariff for supply of Electricity by Maharashtra State Electricity Board (MSEB) for various classes of consumers and has issued further clarifications to tariff so determined.

G E N E R A L:

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 Board from time to time as per the directives of the Commission.
3. The tariffs are exclusive of electricity duty, excise duty, taxes 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 Board 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 Board considers that there are considerable load fluctuations in operation.
6. The tariffs are subject to the provisions of the 'Conditions & Miscellaneous Charges for Supply of Electrical Energy' of the Board in force (i. e. as on 5th August 1999) 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 and Other Costs Adjustment Charge (FOCA) as may be determined by the Hon'ble Commission from time to time shall be applicable to all categories of consumers.



HIGH TENSION TARIFF

1. HTP – I:

Applicability:	Unless otherwise specified, this tariff is applicable to all High Tension industries and other High Tension consumers exclusively situated in Mumbai Metropolitan Region (MMR) and Pune Metropolitan Region (PMR) as defined by the State Government.
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BASE TARIFF:

Category	Demand Charge (Rs./KVA/Month)	Energy Charge (p/u)	Regulatory Liability Charge (p/u)
HTP-I	350	215	50

TOD TARIFF:(in addition to Base Tariff)

Consumption during following hours of the day	Energy Charge (p/u)
2200hrs-0600 hrs	(-)85
0600hrs-0900 hrs	0
0900hrs-1200 hrs	60
1200hrs-1800 hrs	0
1800hrs-2200 hrs	100

NOTE:

1.	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.
2.	Standby Charges will be levied on such consumers on the standby component, only if the consumer's demand exceeds the Contract Demand.
3.	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. HTP – II :

Applicability	Unless otherwise specified, this tariff will be applicable for all High Tension industries and other General High Tension consumers other than those covered under HTP-I.
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BASE TARIFF:

Category	Demand Charge (Rs./KVA/Month)	Energy Charge (p/u)	Regulatory Liability Charge (p/u)
HTP-II	330	210	50

TOD TARIFF: (in addition to Base Tariff)

Consumption during following hours of the day	Energy Charge (p/u)
2200hrs-0600 hrs	(-)85
0600hrs-0900 hrs	0
0900hrs-1200 hrs	60
1200hrs-1800 hrs	0
1800hrs-2200 hrs	100

NOTE:

1. 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.
2. Standby Charges will be levied on such consumers on the standby component, only if the consumer's demand exceeds the Contract Demand.
3. 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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3. HT SEASONAL:

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:

Category	Demand Charge (Rs./KVA/Month)	Energy Charge (p/u)	Regulatory Liability Charge (p/u)
High Tension Seasonal	350	300	0

TOD TARIFF: (in addition to Base Tariff)

For consumption during following hours of the day	Energy Charge (p/u)
2200hrs-0600 hrs	-85
0600hrs-0900 hrs	0
0900hrs-1200 hrs	60
1200hrs-1800 hrs	0
1800hrs-2200 hrs	100

NOTE:

1. 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.
2. Standby Charges will be levied on such consumers on the standby component, only if the consumer's demand exceeds the Contract Demand.
3. 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.
4. The shift from seasonal to normal connection & vice- versa can be done only once in each Financial Year at the beginning of the Financial Year, provided a written notice in advance, at least a month i. e. on or before 28th February, is given by the consumer.

4. HTP – III

Applicability:	This tariff is applicable to all High Tension Public Water Supply Scheme consumers situated exclusively in Mumbai Metropolitan Region (MMR) and Pune Metropolitan Region (PMR) as defined by the State Government.
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BASE TARIFF:

Category	Demand Charge (Rs./KVA/Month)	Energy Charge (p/u)	Regulatory Liability Charge (p/u)
HTP-III	350	215	0

TOD TARIFF: (in addition to Base Tariff)

For consumption during following hours of the day	Energy Charge (p/u)
2200hrs-0600 hrs	(-)85
0600hrs-0900 hrs	0
0900hrs-1200 hrs	60
1200hrs-1800 hrs	0
1800hrs-2200 hrs	100

NOTE:

1. This tariff will not be applicable to High Tension power supply availed by a Grampanchayat or 'C' Class Municipal Council for Public Water Supply Scheme.
2. In such cases, the Grampanchayat or the "C" Class Municipal Council will be billed at the rate applicable for Rural Public Water Supply Scheme consumers availing power supply on Low Tension i. e. LTP-G (PWW) Rural Tariff, either meter tariff or the flat rate tariff, as the case may be. However, once meter is installed, the consumer will be billed as per the metered tariff applicable to Rural Public Water Supply Scheme consumers availing power supply on Low Tension.

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5. HTP – IV:

Applicability:	Unless otherwise specified, this tariff will be applicable for all High Tension Public Water Supply scheme consumers, other than those covered under HTP-III.
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BASE TARIFF:

Category	Demand Charge (Rs./KVA/Month)	Energy Charge (p/u)	Regulatory Liability Charge (p/u)
HTP-IV	330	210	0

TOD TARIFF: (in addition to Base Tariff)

For consumption during following hours of day	Energy Charge (p/u)
2200hrs-0600 hrs	(-)85
0600hrs-0900 hrs	0
0900hrs-1200 hrs	60
1200hrs-1800 hrs	0
1800hrs-2200 hrs	100

NOTE:

1.	This tariff will not be applicable to High Tension power supply availed by a Grampanchayat or 'C' Class Municipal Council for Public Water Supply Scheme.
2.	In such cases, the Grampanchayat or the "C" Class Municipal Council will be billed at the rate applicable for Rural Public Water Supply Scheme consumers availing power supply on Low Tension i. e. LTP-G (PWW) Rural Tariff, either meter tariff or the flat rate tariff, as the case may be. However, once meter is installed, the consumer will be billed as per the metered tariff applicable to Rural Public Water Supply Scheme consumers availing power supply on Low Tension.

6 HTP – V:

Applicability:	Applicable to Railways for Traction supply only.
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BASE TARIFF:

Category	Demand Charge (Rs./KVA/Month)	Energy Charge (p/u)	Regulatory Liability Charge (p/u)
For Railway Traction supply only.	0	335	50

NOTE:

Power supply availed by Railways on High Tension, for the purposes other than the Railway traction, will be billed at appropriate tariff, HTP-I, HTP-II or HTP-VI, as the case may be.
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7 HTP – VI:

Applicability:	Applicable for HT Residential & Commercial Complexes, taking supply at one point and sub-distributing further.
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BASE TARIFF:

Category	Demand Charge (Rs./KVA/Month)	Energy Charge (p/u)	Regulatory Liability Charge (p/u)
Residential Complexes,	125	220	0
Commercial Complexes,	125	350	0

NOTE:

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 LD-1 (Domestic L & F & H & P) category.

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8. HTP - VII

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 (undertaking 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:

Category	Demand Charge (Rs. / kVA / Month)	Energy Charge (p/u)	Regulatory Liability Charge (p/u)
Metered Tariff	25	130	0

NOTE:

For (i) Poultry (exclusively undertaking Layer & Broiler activities,), (ii) High Tech Agricultural (undertaking Green House, Mushroom, Tissue Culture, etc.) activities & (iii) Pre-cooling & Cold Storage for Agricultural Produce of Farmer's Co-operative societies, will be billed only as per the metered tariff.
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9. HTP – IX:

(This tariff will be applicable w.e.f.1st March 2004)

Applicability:	Applicable for power supply to M/s. Tata Power Company Ltd.
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BASE TARIFF:

Category	Demand Charge (Rs./KVA/Month)	Energy Charge (p/u)	Regulatory Liability Charge (p/u)
M/s. Tata Power Company Ltd.	600	299	0

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10. M/s. Mula-Pravara Electric Co-operative Society Ltd.

Applicability:	Applicable for power supply to M/s. Mula-Pravara Electric Co-operative Society Ltd.; Shrirampur, District Ahmednagar
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BASE TARIFF:

Category	Demand Charge (Rs./KVA/Month)	Energy Charge (p/u)	Regulatory Liability Charge (p/u)
M/s. Mula-Pravara Electric Co-operative Society Ltd.	200	150	0

NOTE:

The Demand Charges shall be levied on summation of maximum demand at all the points of supply.
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11. Tariff for Inter-State Power Supply:

Applicability:	Applicable for power supply to other States.
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BASE TARIFF:

Category	Demand Charge (Rs./KVA/Month)	Energy Charge (p/u)	Regulatory Liability Charge (p/u)
Power supply to other States.	0	260	0

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12. Tariff for TEMPORARY SUPPLY at High Tension: The consumers availing temporary supply at High Tension shall be billed at appropriate tariff as may be applicable, if the power supply would have been availed on permanent basis.

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MISCELLANEOUS 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 MSEB website.	
Power Factor Penalty:	Whenever the average power factor over a billing cycle or a month, whichever is lower, of a High Tension consumer is below 90%, Penal charges shall be levied to the consumer at the rate of 2 % (two %) of the amount of monthly energy bill (excluding of Demand Charges, FOCA, Electricity Duty and Regulatory Liability Charge etc.) for first 1 % (one percentage point) fall in the power factor below 90%, beyond which the penal charges shall be levied at the rate of 1 % (one %) for each percentage point fall in the power factor below 89%. Such penalty will however not be applicable to Railways for Power Factor up to 72%.	
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%
Penalty for exceeding Contract Demand:	<ol style="list-style-type: none"> 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. 	
Power Factor Incentive:	<ol style="list-style-type: none"> 1. Whenever the average power factor is more than 0.95, an incentive will be given to High Tension industrial (HTP-I, HTP-II, & HT- SEASONAL), and HTP-III & HTP-IV consumers, irrespective of status of TOD meter installation. 2. The said incentive will be at the rate of 1% (one percent) of the amount of the monthly energy bill (excluding Regulatory Liability Charges, Demand Charges, FOCA, Electricity Duty) for every 1% (one percent) improvement in the average power factor above 0.95. 3. For power factor of 0.99, the effective incentive will amount to 5% (five percent) reduction in the energy bill and for unity power factor; the effective incentive will amount to 7% (seven percent) reduction in the energy bill. 4. Such incentive will not be applicable to Railways. 5. Power factor will be computed, by the method of kWh / KVAh & rounded off to two decimal points as per the existing practice. 	
Load Factor Incentive	<ol style="list-style-type: none"> 1. Consumers belonging to the consumer category HTP – I & HTP – II and having a load factor over 75% will be entitled to a rebate of 0.75% for every percentage point increase in load factor from 75% to 85%, and at the rate of 1% on the energy charges for every percentage point increase in load factor above 85%. 2. The total rebate under this head will be subject to maximum ceiling of 15% of the energy charges for that consumer. 3. Load factor rebate will be available only if the consumer has no arrears with the Board, however the rebate shall be available to the consumers who are 	

	<p>in arrears, provided payment of such arrears in instalments has been permitted by the Board and instalment due has been regularly paid as scheduled.</p> <p>4. Load Factor Rebate will be available only if payment of the energy bill is made within seven days from the date of the Bill or within five days from the date of receipt of the Bill, whichever is later. The period of seven days or five days will be determined from the date of issue or the date of receipt of the energy bill, as the case may be.</p> <p>5. If Billing Demand of a consumer exceeds the Contract Demand in any particular month, then the Load Factor Rebate will not be payable to the consumer in that month.</p>	
Bulk Discount:	<p>1. If the consumption of any High Tension industrial consumer, availing TOD tariff & having no arrears with the Board, exceeds one million units per month, he will be eligible for Bulk Discount. However the rebate shall be available to the consumers who are in arrears, provided payment of such arrears in instalments has been permitted by the Board and instalment due has been regularly paid as scheduled.</p> <p>2. The incentive will be given at the rate 1% (one percent) of the amount of monthly energy bill (excluding Regulatory Liability Charge, Demand Charge, FOCA, Electricity Duty, etc.) for every one million unit consumption above one million, subject to a maximum of 5% (five percent). An illustrative table is given here below.</p> <p>3. The incentive will be applicable irrespective of status of TOD meter installation.</p> <p>4. The incentive will be allowed only if the energy bill is paid within 7 (seven) days from the date of issue of the energy bill or within 5 (five) days from the date of receipt of the energy bill, which ever is later. The period of seven days or five days will be determined from the date of issue or the date of receipt of the energy bill, as the case may be.</p> <p>5. This bulk discount shall be available to the Railways on individual metering point basis.</p> <p>6. If actual billing period is less than one month then pro rata basis monthly consumption will be considered for eligibility purpose.</p>	
Sr. No.	Monthly consumption	% of Incentive
1.	$0 \leq$ Energy consumption < 1 MU	NIL
	$1 \text{ MU} \leq$ Energy consumption < 2 MU	1%
	$2 \text{ MU} \leq$ Energy consumption < 3 MU	2%
	$3 \text{ MU} \leq$ Energy consumption < 4 MU	3%
	$4 \text{ MU} \leq$ Energy consumption < 5 MU	4%
	5 MU and more Energy consumption	5%
<p>Note: 1) \leq Denotes "less than or equal to" 2) $<$ Denotes "less than"</p>		
Delayed Payment Charges:	<p>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.</p> <p>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.</p>	

Security Deposit:	<ol style="list-style-type: none"> 1. Security deposit will be payable in cash, equivalent to average of amount of energy bill for three months or a billing cycle period, which ever is less, i. e. for High Tension consumers, security deposit will be equivalent to one month's average billing. 2. However, if a High Tension consumer, who has availed power supply after 01/02/1998, opts to pay the energy bill through Irrevocable & Revolving Letter of credit, he will be exempted from payment of security deposit. 3. Every year, in the month of March, the security deposit available vis-à-vis average amount of energy bill for the entire year will be reviewed and additional security deposit will be recovered, if necessary. 4. Provided further that if any time during the currency of the contract, the monthly average amount of the preceding SIX months energy bill reduces by at least 20% or more, the Board will consider to adjust in the subsequent bills the amount of the security deposit which may have become surplus considering the amount of the security deposit required under the prescribed scale. The adjustment of the security deposit as above shall however be in instalments, the amount of which shall not exceed 30% of the average monthly bill. 5. On security deposit of Rs. 50 or more, the Board will allow interest @ equivalent to Post Office Saving Bank interest rate as may be applicable.
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DEFINITIONS:

1. "Maximum Demand" means the average kW / kVA supplied during the 30 minutes period (or any such other shorter period as may be prescribed by the Board) of maximum use.
2. "Contract Demand" means the maximum kW / kVA for the supply of which the Board undertakes to provide facilities from time to time.
3. "Connected Load" means the sum of the rated capacity of all the energy consuming devices duly wired and connected to the power supply system including portable apparatus in the consumer's premises. Further, Connected Load, shall be calculated after allowing a tolerance of 5%. The Connected Load shall not include load of spare plug sockets, standby or spare energy consuming apparatus installed authorizedly, through change over switches, which cannot be operated simultaneously & load exclusively meant for fire fighting purposes. The equipment under installation & not connected electrically, equipment stored in warehouse / show rooms either as spare or for sale is not to be considered as Connected Load.
4. "Sanctioned Load" means load in kilowatt (KW) / Horse power (HP) mutually agreed between the Distribution Licensee and the consumer.
5. "Load Factor" means ratio of actual consumption during a month in Mus to the maximum consumption possible in Mus during the said month, which is a product of (1) Contract Demand in kVA, (2) Actual Power Factor & (3) Total number of hours during the month less planned load shedding hours.

$$\text{LOAD FACTOR} = \frac{\text{Consumption During the month in Mus}}{\text{Maximum consumption possible in Mus during the month}}$$

Maximum consumption during a month = [Contract Demand in kVA x Actual Power Factor x (Total number of hours during the month less planned load shedding hours^{**})]

(^{**}: Interruption / Non – supply to the extent of 60 hours in a 30 days month has been built in the scheme)

6. “Billing Demand”

A) As applicable to all consumers, except seasonal Consumers, means the demand used for billing purposes and computed as the highest of the following:

- 1) Actual established demand, during the period 0600 hrs to 2200 hrs.
- 2) 75 % of the highest billing demand during preceding 11 months.
- 3) 50 % of the Contract Demand as defined above.

NOTE:

- (i) Demand registered during the period 0600 to 2200 Hrs. will only be considered for determination of the Billing demand during preceding 11 months.
- (ii) For the purpose of clause 2 of the definition above, the limit will be the Contract Demand.
- (iii) In case of change in Contract Demand, the period specified in Clause (b) above will be reckoned from the month following the month in which the change of Contract

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

(I) For the declared season:

- 1) Actual established demand, during the period 0600 hrs to 2200 hrs.
- 2) 75 % of the Contract Demand.
- 3) 50 kVA.

(II) For the Off season:

Actual established demand, during the period 0600 hrs to 2200 hrs.

NOTE:

- (i) Demand registered during the period 0600 to 2200 Hrs. will be considered for determination of the Billing demand during preceding 11 months.
- (ii) In case of change in Contract Demand, the period specified in Clause (2) above will be reckoned from the month following the month in which the change of Contract Demand takes place.

7. Development Period Concession:

- a) This period & concession available during this period will be applicable only in case of newly started High Tension industries & Hotels on or after 30/07/1996.
- b) The said concession will be applicable only after the consumer has commenced his operations on Commercial basis, to be determined by the Board's Chief Engineer of the concerned Zone.
- c) During the said development period, which will be one year from the date of commencement of production on commercial basis, the consumer will be billed for the maximum demand actually recorded or 50 KVA, whichever is more.
- d) The consumer will pay during the development period also special minimum guarantee (other than tariff minimum), if any.
- e) For availing the said concession of development Period, the consumer will apply to the Board's concerned Chief Engineer, within three years from the date he has become eligible for the same, i. e. within three years from the date of commencing production on commercial basis.

7. **Measurement of Maximum Demand:** The maximum demand in kVA for billing would be measured by providing Trivector meter or by providing kilowatt-hour (KWH) meter with Kilo-Watt Maximum Demand (KW) Indicator and Reactive Kilo-Volt-Ampere-Hour (RKVAH) Meter. In the latter case the Maximum Demand in KW shall be converted to the Maximum Demand in KVA for billing by dividing the Kilo-Watt Maximum Demand recorded by the average power factor determined from the Kilo-Watt-Hour (KWH) and Reactive Kilo-Volt-Ampere -Hour. (RKVAH) meter readings. In cases where the RKVAH meter is not provided the power factor assessed as defined under Condition 20 (a)(vi) of the Board's Conditions and Miscellaneous Charges for supply of electrical energy, and or supply code would be utilised.
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