

## 1. TARIFF SCHEDULE FOR FY 2016-17

### 1.1 TARIFF SCHEDULE FOR LOW VOLTAGE (LV) CONSUMERS

This tariff schedule is applicable to all LV consumers as follows:

- i. Single-phase, 230 Volts up to a maximum connected load of 3 kW, and
- ii. Three-phase, 400 volts for maximum demand up to 75 kW in case of demand based tariff or for maximum contracted load of 100 HP in case of other tariff, as applicable.

#### 1.1.1 LV-1: Domestic

##### Applicability

This tariff is applicable to domestic light and fan and power used for all domestic appliances, in residential premises, orphanages, homes for old/physically challenged people and homes for destitute; dharamshalas; student hostels; working women's hostels; ashrams; schools and hospitals (including X-rays, etc.) run by charitable trusts; Government hospitals/dispensaries, (excluding private clinics and nursing homes); Government Schools; farm houses; mosques; temples; churches, gurudwaras; religious and spiritual institutions; water works and street lights in private colonies and cooperative societies; common facilities such as lighting in staircase, lifts, fire-fighting in multi-storied housing complex, light and fan in khalihan, kothar, byra where agriculture produce is kept, post office at residence of a villager; residential premises of professionals such as advocates, doctors, artists, consultants, weavers, bidi makers, beauticians, stitching and embroidery workers including their chambers; public toilets; fractional HP motors used for Shailchak by Kumhars in their residences.

##### Tariff:

Category of Consumers	Units Slab	Fixed Charge (Rupees per kWh)	Energy Charge (Rs. per kWh)	Minimum Fixed Charge
<b>LV-1: Domestic</b>				
Domestic including BPL Consumers	0 -40 units	2.35	1.25	Single Phase
	41-200 units	2.40	1.30	Rs. 40/- p.m.
	201 - 600 units	3.20	2.00	Three phase
	601 and above units	4.75	2.50	Rs. 120/- p.m.

**Notes:**

- i. Only those domestic consumers who hold BPL Card issued by the State Government will be considered as BPL domestic consumer. BPL Card holders shall be entitled for subsidy for 40 units as per State Government Order, and their consumption shall be billed as per tariff LV-1.
- ii. All BPL domestic categories of consumers shall be billed as per meter reading. All the new BPL domestic connections shall be served with meter only.
- iii. If a portion of the dwelling is used for the conduct of any business other than those stipulated above, the entire consumption shall be billed under Non-domestic tariff LV-2.

**1.1.2 LV-2: Non-Domestic**

**Applicability**

This tariff is applicable to light and fan and power to shops, showrooms, business houses, offices, educational institutions (except those included in LV-1 and LV-5), public buildings, town halls, clubs, gymnasium and health clubs, meeting halls, places of public entertainment, circus, hotels, cinemas, railway stations, private clinics and nursing homes including X-rays plant, diagnostic centres, pathological labs, carpenters and furniture makers, juice centres, hoardings and advertisement services, public libraries and reading rooms, typing institutes, internet cafes, STD/ISD PCO's, FAX/photocopy shops, tailoring shops, photographers and colour labs, laundries, cycle shops, compressors for filling air, toy making industry, nickel plating on small scale, restaurants, eating establishments, Government circuit houses/rest houses, guest houses, marriage gardens, farmhouses being used for commercial purposes, book binders, offset printers, bakery shop, banks, parlours, printing press, computer centre, petrol pumps and service stations, HV industrial consumers seeking separate independent LV connection in the same premises of HV industrial connection and other consumers not covered under any other category of LV consumers.

**Tariff:**

Category of Consumers	Units Slab	Fixed Charge (Rs per kWh of Contracted load/Demand)	Energy Charge (Rs. per kWh)
<b>LV-2.1:Non-Domestic</b>	0 – 100 units	Rs. 75 per kW per month	5.10
	101 - 500 units	up to 3 kW and	6.10
	501 and above units	Rs. 125 per kW per month above 3 kW	7.40
<b>LV-2.2: Non-Domestic Demand Based Tariff (for Contract demand of 15 to 75 kW)</b>		Demand Charges- Rs 240/kW/month on billing demand	6.75

**Note:**

- i. Fixed charges for LV-2.1 are non-telescopic. For example, if connected load is 5 kW then monthly fixed charges shall be Rs. 625 per month;
- ii. The tariff LV-2.2 will be optional.
- iii. Fixed Charges of LV-2.1 and Demand Charge on contract demand of tariff LV-2.2 is a monthly minimum charge, whether any energy is consumed during the month or not.

**1.1.3 LV-3: L.V. Agriculture****Applicability**

This tariff is applicable to agricultural pumps/tube wells used for irrigation (including drip and sprinkler system) for crops, nursery, horticulture crops (growing vegetables and fruits), floriculture (growing flowers), growing of herbs/medicinal plants and mushroom, jatropha plantation, chaff cutters, thresher, winnowing machines, sugarcane crushers used on agricultural land, lift irrigation pumps/tube wells of State Government or its agencies; water drawn by agriculture pumps used by labour, cattle, and farm houses in the premises of agriculture farms for drinking purposes only and packaging of agriculture produce at farm, khalihan etc.

**Tariff:**

Category of Consumers	Fixed Charge	Energy Charge (Rs. per kWh)
<b>LV-3: L.V. Agriculture</b>	Rs. 80/HP/month	4.10

One 40W incandescent bulb or CFL/LED of wattage not exceeding 20W is permitted at or near the motor pump set in the power circuit.

**Notes:**

- i. All new connections of above 3 HP shall be served only after installation of capacitor of specified rating to maintain power factor of 0.85 and above.
- ii. All pump connections of above 3 HP load not provided with capacitors of specified rating and who do not maintain power factor of 0.85 and above, shall be required to pay surcharge of 35 paise per unit.
- iii. Fixed Charge is monthly minimum charge whether any energy is consumed or not during the month.
- iv. A person having additional connections, i.e., more than one pump in his name, then that person shall be entitled for concession of 10% on energy charge for the consumption recorded on additional pump.

**1.1.4 LV- 4: L.V. Agriculture Allied Activities**

**Applicability**

This tariff is applicable to pump/tube well connections, other equipment and light and fan for tree plantation, fisheries, hatcheries, poultry farms, dairy, cattle breeding farms, sericulture, tissue culture, aquaculture laboratories, and milk chilling plant.

**Tariff:**

<b>Category of Consumers</b>	<b>Fixed Charge</b>	<b>Energy Charge (Rs. per kWh)</b>
<b>LV-4.1: Up to 100 HP or 75 kW</b>	Rs. 130 per HP per month or Rs 160 per kW per month	5.10
<b>LV-4.2: Demand based tariff for contract demand of 15 to 75 kW</b>	Rs. 250 per kW per month on billing demand	5.00

**Note:**

- i. All connections shall be required to maintain average monthly power factor of 0.85 by providing capacitors of suitable rating, failing which they shall be required to pay surcharge of 35 paise per unit.

- ii. For tariff LV-4.1, Fixed Charge is monthly minimum charge and for tariff LV-4.2 Demand Charge on contract demand is monthly minimum charge, whether any energy is consumed during the month or not.

### 1.1.5 **LV-5: L.V. Industry**

#### **Applicability**

These tariffs are applicable to power, light and fan for industries such as flour mills, hullers, grinders for grinding masala, power looms, rice mills, dall-mills, oil mills, ice factories, cold storage plants, ice candies, terracotta, handloom, handicraft, agro-processing units, minor forest produce, laboratories of engineering colleges, ITIs and polytechnics and industrial institutions, aluminium based factory, bakery/biscuit industries, bottling plant, cable/insulation industries, Cement Based Factory, Chemical Plant, Coal Based Industries, Conductor Wire Industries, Cutting & Polishing Of Marble, Fabrication Workshop, Food Processing Industry, Forest Product Based Factory, GI Wire Industries, Glass Industries, Hot Mixing Plant, It Based Industries, Mineral Based Factory, Plastic Industries, Plywood Factory, Pulverize Industries, Rolling Mill, Saw Mill, Stone Crusher, Toy Industries, Wire Drawing / Steel Industries, Wire Product, workshops and fabrication shop, etc.

#### **Tariff:**

<b>Category of Consumers</b>		<b>Fixed Charge</b>	<b>Energy Charge (Rs. per kWh)</b>
<b>LV-5: L.V. Industry</b>			
5.1	Flour mills, Hullers, power looms, grinders for grinding masalas, terracotta, handloom, handicraft, agro-processing units, minor forest produce up to 15 HP	Rs 100/HP/month	3.50
5.2	<b>Other Industries</b>		
5.2.1	Up to 25 HP	Rs 120/HP/month	4.50
5.2.2	Above 25 HP up to 100 HP	Rs 175/HP/month	5.10
5.3	Demand based Tariff- for Contract Demand of 15 kW to 75kW	Demand charges- Rs. 250/kW/month on billing demand	5.30

#### **Notes:**

- i. Demand based tariff LV-5.3 is applicable for maximum contracted demand from 15 kW to 75 kW.

- ii. For tariff LV-5.1 and LV-5.2, Fixed Charge is monthly minimum charge and for tariff LV-5.3, the Demand Charge on contract demand is a monthly minimum charge whether any energy is consumed during the month or not.
- iii. In order to give impetus for small industries located in rural areas, a rebate of 5% in energy charges for consumers specified under tariff LV-5.1 category whose connected load is up to 15 HP shall be allowed for small industries located in rural areas notified by Government of Chhattisgarh.

### **1.1.6 LV-6: Public Utilities**

#### **Applicability**

This tariff is applicable to colonies developed by Chhattisgarh State Housing Board and public utilities such as water supply schemes, sewage treatment plants and sewage pumping installations, crematorium, traffic signals and lighting of public streets including public parks and archaeological and other monuments when requisition for supply is made by Public Health Engineering Department, local bodies, Gram Panchayats or any organization made responsible by the Government to maintain these services.

#### **Tariff:**

<b>Category of Consumers</b>	<b>Fixed Charge</b>	<b>Energy Charge (Rs. per kWh)</b>
<b>LV-6: Public utilities</b>	Rs. 130/HP/month or Rs. 175/kW/month	5.10

#### **Note:**

Fixed Charge is monthly minimum charge whether any energy is consumed during the month or not.

### **1.1.7 LV-7: Information Technology Industries**

#### **Applicability**

This tariff is applicable to Information Technology Industries having minimum contract demand of 50 kW.

**Tariff:**

Category of Consumers	Fixed Charge	Energy Charge (Rs. per kWh)	Minimum Charge
<b>LV-7: Information Technology Industries</b>	Nil	4.50	Rs. 1500/- per month

**Note:**

Minimum Charge is monthly minimum charge whether any energy is consumed during the month or not.

**1.1.8 LV 8: Temporary Supply****Applicability**

This tariff is for connections that are temporary in nature. The tariff applicable shall be as given for the respective category of consumer.

Temporary supply cannot be demanded by a prospective consumer as a matter of right but will normally be arranged by the Licensee when a requisition is made subject to technical feasibility.

**Tariff:**

Fixed charge and energy charge to be billed at one and half times the normal tariff as applicable to the corresponding consumer categories.

Provided that for Agricultural pump connections, the Fixed charge and energy charge shall be billed at the normal tariff applicable for LV 3 category.

**Notes:**

- i. An amount equal to estimated bill for 3 months or for the period of temporary connection requisitioned, whichever is less, is payable before serving the temporary connection, subject to replenishment from time to time and adjustment in the last bill after disconnection.
- ii. No temporary connection shall be served without a meter. Agricultural connections shall also be billed one and half times of metered supply tariff (LV-3).
- iii. Connection and disconnection charge shall be paid as per the schedule of miscellaneous charges.
- iv. No rebates/concessions under any head shall be applicable to temporary connections.

- v. A month for the purpose of billing of temporary supply shall mean 30 days from the date of connection or part thereof.
- vi. In case connected load/maximum demand is found more than contracted load/contract demand, then the billing of excess load/supply shall be done for the amount calculated as per the Clause 8 of the Terms & Conditions of LV tariff.
- vii. Any expenditure made by the Licensee for providing temporary supply up to the point of supply, shall be paid for by the consumer as per prescribed procedure.
- viii. Temporary connections shall not be served unless suitable capacitors, wherever applicable, are installed so as to ensure power factor of not less than 0.85 lagging.
- ix. Surcharge at the rate of 2% per month or part thereof on the outstanding amount of the bill shall be payable in addition, from the due date of payment of bill, if the bill is not paid by the consumer within the period prescribed.

#### **1.1.9 Terms and Conditions of L.V. Tariff**

1. Energy will be supplied to the consumer ordinarily at a single point for the entire premises of the consumer.
2. No new L.V. connection above 75 kW of contract demand/100 HP of contracted load shall be served.
3. All existing L.V. connections with contracted load above 100 HP (75 kW), which have not availed H.T. supply so far shall be levied 35% additional charge on total amount of monthly bill comprising fixed charge/demand charge and energy charge.
4. Contracted load/connected load or contract demand/maximum demand infraction shall be rounded off to the next whole number.
5. For the purpose of separate independent LV connection to HV industrial consumer in the same premises of HV industrial connection, to meet out its essential load during emergency or non-availability of supply in HV connection under LV 2 category conditions as mentioned in clause 4.40 of the Chhattisgarh State Electricity Supply Code and its amendment if any shall be applicable.
6. For the purpose of Demand Based Tariff (LV-2.2, LV-4.2 and LV-5.3)



- i. **Determination of Maximum Demand**- The maximum demand means the highest load measured by sliding window principle of measurement in average kVA at the point of supply of a consumer during any consecutive period of 30 minutes during the billing period.
- ii. **Billing Demand** – The billing demand for the month shall be the actual maximum kW demand of the consumer recorded during the month or 75% of the contract demand or 15 kW, whichever is higher. The billing demand shall be rounded off to the next whole number.
- iii. **Minimum Charge** – The demand charge on contract demand (CD) is a monthly minimum charge whether any energy is consumed during the month or not.
- iv. There shall be no restriction on connected load for applicability of demand based tariff.

## **7. Power Factor Incentive and Surcharge**

- i. All LV industrial, agriculture allied, public water works, sewage treatment plants and sewage pumping installations' consumers shall arrange to install suitable low tension capacitors of appropriate capacity at their cost. The consumer also shall ensure that the capacitors installed by them properly match with the actual requirement of the load so as to ensure average monthly power factor of 0.85 or above. A consumer who fails to do so shall be liable to pay power factor surcharge @ 35 paise per unit on the entire consumption of the month.
- ii. All the agriculture pump connections of above 3 HP shall provide with capacitor of specified rating and maintain average monthly power factor of 0.85 or above failing which they shall be required to pay power factor surcharge @ 35 paise per kWh on the entire consumption of the month.
- iii. All LV non-domestic consumers with contracted load/connected load of 15 kW or above shall arrange to install suitable low tension capacitors of appropriate capacity at their cost. The consumer shall ensure that the capacitors installed by him properly match with the actual requirement of the load so as to ensure average monthly power factor of 0.85 or above. A consumer who fails to do so will be liable to pay power factor surcharge @ 35 paise per kWh on the entire consumption of the month.

- iv. All LV installations having welding transformer are required to install suitable low tension capacitors so as to ensure power factor of not less than 0.85. Consumers not complying with the above shall have to pay surcharge of 75 paise per kWh on the entire monthly consumption, provided the load of the welding transformer(s) exceeds 25% of the total connected load.

**Note** - For the purposes of computing the connected load of welding transformers in kW, a power factor of 0.6 shall be applied to the kVA rating of such welding transformers. The kVA rating can also be calculated on the basis of load voltage and maximum load current on secondary side of welding machine.

- v. The average monthly power factor recorded in the meter shall be considered for billing of power factor surcharge or power factor incentive, as the case maybe.
- vi. Levy of power factor surcharge as indicated above, shall be without prejudice to the rights of CSPDCL to disconnect the consumer's installation after issue of 15 days' notice if the average monthly power factor remains 0.7 or below for a period of more than two consecutive months. It shall remain disconnected till the consumer makes suitable arrangements to improve the power factor to the satisfaction of CSPDCL.
- vii. Notwithstanding the above, if the average monthly power factor of a new consumer is found to be less than 0.85 at any time during the first six months from the date of connection and if he maintains average monthly power factor continuously in subsequent three months at not less than 0.85, then the surcharge billed on account of low power factor during the said period shall be withdrawn and credited in next month bill.
- viii. All categories of LV consumers except the LV domestic consumers in whose case power factor surcharge is applicable; shall also be eligible for power factor incentive. Such incentive shall be payable @ 10 paise per unit on the entire consumption of that month in which he maintains an average monthly power factor equal or above 0.90 and @ 15 paise per unit of entire consumption of that month in which he maintains an average monthly power factor 0.95 or above.

**8. Provisions of billing in case of Excess Supply**

**i. For connected load based tariff**

The consumers, except the domestic (LV-1) consumers, availing supply at connected load based tariff shall restrict their actual connected load within the contracted load. However, in case the actual connected load in any month exceeds the contracted load, the connected load base tariff shall apply only to the extent of contracted load and corresponding units of energy. The connected load in excess of contracted load and corresponding units of energy shall be treated as excess supply. The excess supply so consumed in any month, shall be charged at the rate of one and half times of the connected load based tariff applicable to the consumer (fixed and energy charges and VCA charges) for the excess connected load to the extent of 20% of contracted load and at the rate of two times of connected load based tariff if the excess connected load is found beyond 20% of contracted load for actual period of enhancement of load or 6 months whichever is less, including the month in which the existence of excess load is detected and shall be continued to be billed till excess load is removed or contract load is enhanced.

**ii. For Demand Based tariff consumers**

Consumers availing supply at demand based tariff (LV-5.3/LV-4.2/LV-2.2) should at all times restrict their maximum demand to the contract demand. However, contract demand for the demand based tariff consumer can be less than connected load. In case the maximum demand in any month exceeds the contract demand, the said demand based tariff (LV-5.3/LV-4.2/LV-2.2) shall apply only to the extent of the contract demand and corresponding units of energy. The demand in excess of contract demand and corresponding units of energy shall be treated as excess supply. The excess supply so availed in any month, shall be charged at the rate of one and half times of the normal tariff applicable to the consumer (fixed and energy charges and VCA charges) for the excess demand to the extent of 20% of contract demand and at the rate of two times of normal tariff if the excess demand is found beyond 20% of contract demand. For the purpose of billing of excess supply, the billing demand and the units of energy shall be determined as under:

- a) Billing Demand: The demand in excess of the contract demand in any month shall be the billing demand.
- b) Units of Energy: the units of energy corresponding to kW portion of the demand in excess of the contract demand shall be:-

$$EU = TU (1 - CD/MD)$$

Where

EU – denotes excess units;

TU – denotes total units supplied during the month;

CD – denotes contract demand, and

MD – denotes actual maximum demand.

- I. The excess supply availed in any month shall be charged along with the monthly bill and shall be payable accordingly.
- II. The above billing of excess supply at one and half times/two times of the normal tariff shall be applicable to consumers without prejudice to CSPDCL's right to discontinue supply in accordance with the provisions contained in the Chhattisgarh State Electricity Supply Code, 2011.

**9. Delayed Payment Surcharge**

If the bill is not paid by the consumer within the period (due date) prescribed for payment of the bill, a surcharge @ 1.5% per month or part thereof, on the total outstanding amount of the bill (including arrears, if any, but excluding amount of surcharge), subject to minimum of Rs. 5 shall be payable in addition, from the due date of payment as mentioned in the bill.

**10. Additional charges**

Every Local Body shall pay an additional charge equivalent to any tax or fee levied by it under the provisions of any law including the Corporation Act, District Municipalities Act or Gram Panchayat Act on the poles, lines, transformers and other installations through which the local body receives supply.

**11. Advance Payment Rebate**

For advance payment made before commencement of consumption period for

which bill is to be prepared, a rebate @ 0.5% per month on the amount which remains with the licensee at the end of the calendar month excluding security deposit shall be credited to the account of consumer after adjusting any amount payable to the licensee subject to the net amount of advance being not less than Rs.1000 and shall be adjustable in next month's bill.

**12. Rounding off**

The bill shall be rounded off to the nearest multiple of Rs.10. Difference, if any, between the bill amount before and after rounding off, shall be adjusted in next month's bill.

For example: - If the total amount of bill is Rs. 235.00, then the bill shall be rounded off to Rs. 240 and Rs. 5.00 will be credited in next month's bill, whereas if the total amount of bill is Rs. 234.95, then the bill will be rounded off to Rs. 230 and Rs. 4.95 will be debited in next month's bill. In view of the above provision, no surcharge will be levied on outstanding amount, which is less than Rs. 10.

**13. Applicability of tariff**

In case of any dispute about applicability of tariff to a particular LV category, the decision of the Commission shall be final and binding.

**14. Tax or Duty**

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 in force. Such charges, if any, shall be payable by the consumer in addition to tariff charges.

**15. Meter Hire**

Meter hire shall be charged as per the schedule of miscellaneous charges to all categories of LV consumers except the consumers of domestic light and fan category. Domestic light and fan category consumer shall not be required to pay such charges.

**16. Variable Cost Adjustment Charge**

VCA charges to be recovered from retail consumers for previous year's consumption for the period October 1, 2015 to March 31, 2016 shall not be billed to retail consumers.

Variable Cost Adjustment (VCA) charge on consumption from April 1, 2016 as per the formula and conditions specified in the MYT Regulations, 2015 shall be levied in addition to energy charge on all the LV categories including temporary supply.

However, from the date of applicability of this Order, the base values for computation of VCA for succeeding period shall be revised in accordance to this Order.

**17. Conditions to have over-riding effect**

All the above conditions of tariff shall be applicable to the consumer notwithstanding the provisions, if any, in the agreement entered into by the consumer with the Licensee.

**1.2 TARIFF SCHEDULE FOR HIGH VOLTAGE (HV) CONSUMERS**

**1.2.1 HV-1: Railway Traction**

**Applicability:**

This tariff is applicable to the Railways for traction loads only.

**Tariff:**

Supply Voltage	Demand Charge (Rs./kVA/month)	Energy Charge (Rs. per kVAh)
Railway Traction on 132 kV / 220 kV	350	4.65

**Specific terms and conditions:**

- i) The maximum demand means the highest load measured by sliding window principle of measurement in average kVA at the point of supply of a consumer during any consecutive period of 15 minutes during the billing period.

Provided that if as a result of an emergency in the consumer's installation or in the transmission lines supplying energy to the said traction sub-station, extra load is availed by the consumer with prior intimation to the licensee, the period of such emergency shall not be taken into account for the purpose of working out the maximum demand.

Provided further that as a result of emergency in the traction sub-station (TSS) or in the transmission line supplying power, if the entire load of the TSS or part thereof is transferred to adjacent TSS, the maximum demand (MD) of the TSS for the month shall not be taken as less than the average MD recorded for the previous three months during which no emergency had occurred.

- ii) 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 the Licensee are finalised during FY 2016-17.
- iii) Other terms and condition shall be as mentioned in the general terms and conditions of HV tariff.

### **1.2.2 HV-2: Mines**

#### **Applicability**

This tariff is applicable to all types of mines, coal mines, coal washery, etc., for power, lights, fans, cooling ventilation, etc., which shall mean and include all energy consumption for mining purpose, and consumption for residential and general use therein including offices, stores, canteen compound lighting, etc.

#### **Tariff:**

<b>Supply Voltage</b>	<b>Demand Charge (Rs./kVA/month)</b>	<b>Energy Charge (Rs. per kVAh)</b>
220 kV supply	400	5.40
132 kV supply	400	5.45
33 kV supply	400	5.80
11 kV supply	400	6.10

### **1.2.3 HV-3: Other Industrial and General Purpose Non-Industrial**

#### **Applicability**

- i. This tariff is applicable to all types of industries including cement industries and industries not covered under HV-1, HV-2 and HV-4 for power, lights, fans, cooling ventilation, etc., which shall mean and include all energy consumption

in factory; and consumption for residential and general use therein including offices, stores, canteen compound lighting, etc.

- ii. This tariff is also applicable for supply to establishment such as Railways (other than traction), hospitals, offices, hotels, shopping malls, power supplied to outside of State (border villages), educational institutions, mixture and/or stone crushers and other institutions, etc., having mixed load or non-industrial and/or non-residential load. This tariff is also applicable to all other HT consumers not covered specifically in any other HV tariff category.

**Tariff:**

Supply Voltage	Demand Charge (Rs./kVA/month)	Energy Charge (Rs. per kVAh)
220 kV supply	375	5.30
132 kV supply	375	5.35
33 kV supply	375	5.70
11 kV supply	375	6.05

**1.2.4 HV-4: Steel Industries**

**Applicability**

This tariff is applicable to steel industries, mini-steel plant, rolling mills, sponge iron plants, ferro alloy units, steel casting units, iron ore pellet plant, iron beneficiation plant and combination thereof including wire drawing units with or without galvanizing unit; for power, lights, fans, cooling ventilation, etc., which shall mean and include all energy consumption in factory, and consumption for residential and general use therein including offices, stores, canteen compound lighting, etc.

**Tariff:**

Supply Voltage	Demand Charge (Rs./kVA/month)	Energy Charge (Rs. per kVAh)
220 kV supply	375	5.20
132 kV supply	375	5.25
33 kV supply	375	5.30
11 kV supply	375	5.35

**Load Factor Rebate**



The consumers of this category shall be eligible for load factor rebate on energy charges, as under:

<b>Monthly Load Factor (LF)</b>	<b>Rebate</b>
(a) If monthly Load Factor is over 65% and upto 70% on contract demand	5% rebate on normal energy charges on entire energy consumption.
(b) If monthly Load Factor is over 70% on contract demand	10% rebate on normal energy charges on entire energy consumption.

Provided that in case the monthly Load Factor is 64.99% or below, then no Load Factor Rebate shall be payable in that month.

Provided further that the Load Factor Rebate shall not be payable in the month in which the Maximum Recorded Demand exceeds the Contract Demand.

Provided also that the monthly Load Factor shall be rounded off to the lowest integer.

Illustration:

If the Load Factor is 68.01% or 68.99%, it shall be considered as 68%.

If the Load Factor is 69.01% or 69.99%, it shall be considered as 69%.

### **1.2.5 HV-5: Low Load Factor Industries**

**Applicability**

This tariff is applicable to all such HT industries to whom tariff category HV-3 and HV-4 may apply but working in day time only, i.e., between 6:00 a.m. and 6:00 p.m., as an optional tariff; for power, lights, fans, etc., which shall mean and include all energy consumption in factory and consumption for residential and general use therein. This tariff will be applicable to a consumer who opts for it.

**Tariff:**

<b>Supply Voltage</b>	<b>Demand Charge (Rs./kVA/month)</b>	<b>Energy Charge (Rs. per kVAh)</b>
33 kV supply	190	5.85
11 kV supply	190	6.25

**Specific Terms and Conditions:**

- i. This tariff is applicable to HT industries, which use power during daytime between 6:00 a.m. and 6:00 p.m. In case, power is drawn beyond the specified time, the demand charge shall be charged at double the normal rate and the energy consumed shall be charged at one hundred and thirty percent (1.3 times) of the normal rate of energy charge applicable to the consumer.
- ii. The supply availed beyond specified period in any month shall be charged along with the monthly bill and shall be payable by the consumer.

**1.2.6 HV-6: Irrigation & Agriculture Allied Activities, Public Water Works**

**Applicability**

- i. This tariff shall be applicable for Chhattisgarh State Housing Board and agriculture pump connections, irrigation pumps of lift irrigation schemes of State Government or its agencies/co-operative societies, including colonies developed by including energy used for lighting pump house.
- ii. This tariff is also applicable to the consumer availing supply at HV for the purpose of pump/tube well connections, other equipment for tree plantation, fisheries, hatcheries, poultry farms, dairy, cattle breeding farms, sericulture, tissue culture and aquaculture laboratories and milk chilling plant and for power, lights, fans, coolers, etc., which shall mean and include all energy consumed in factory, offices, stores, canteen, compound lighting, etc. and residential use therein.
- iii. This tariff shall be applicable for public utility water supply schemes, sewerage treatment plants and sewage pumping installations run by P.H.E. Department, local bodies, Gram Panchayat or any organization made responsible by the Government to supply/maintain public water works/sewerage installation including energy used for lighting pump house.

**Tariff:**

Supply Voltage	Demand charge (Rs./kVA/month)	Energy charge (Rs. per kVAh)
Irrigation, Agriculture Allied Activities & Public Water Works	375	4.90

### 1.2.7 **HV-7: Residential**

#### **Applicability**

This tariff shall be applicable for bulk supply at one point to colonies, multi-storied residential buildings, townships, including townships of industries provided that connected load of non-domestic nature for common basic amenities and other general purpose load put together for the residents shall not be more than 10% of total connected load other than drinking water supply, sewage pumping and street light,

#### **Tariff:**

Category of Consumers	Demand charge (Rs./kVA/month)	Energy charge (Rs. per kVAh)
Residential	375	5.30

### 1.2.8 **HV-8: Start-Up Power Tariff**

#### **Applicability**

The tariff shall be applicable to those consumers who avail supply for start-up power for their power plant (generating station and captive generating plant) at 400/220/132/33/11 kV.

#### **Tariff:**

Supply Voltage	Demand charge (Rs./kVA/month)	Energy charge (Rs. per kVAh)
400/220/132/33/11 kV	200	7.50

#### **Conditions for start-up power consumers:**

- i. Contract demand shall not exceed 10% of the highest capacity of generating unit of the generating station/captive generating plant

- ii. Captive generating plants which do not have any co-located industrial load and who use the grid for transmission and wheeling of electricity can avail start up-power tariff.
- iii. Captive generating plant who have co-located industrial load are also entitled for start-up power tariff
- iv. Drawal of power shall be restricted to within 10% of load factor based on the contract demand in each month. In case the load factor in a month is recorded beyond 10%, the demand charge shall be charged at double the normal rate. Supply can also be disconnected if the monthly load factor exceeds 10% in any two consecutive months. Load factor shall be computed from contract demand.
- v. Start-up power shall also be made available to the generator/captive generating plant connected to CTU grid with proper accounting.
- vi. This tariff shall also be applicable to generators before their commercial operation.
- vii. In case of generators who have not availed start-up connection but eventually draw power from the grid not more than 30 minutes at one occasion shall be billed @ Rs 14 per kVAh. Drawal beyond 30 minutes shall be billed at @ Rs 28 per kVAh.
- viii. In case of captive generating plant, which do not have any co-located industrial load and who use the grid for transmission and wheeling of electricity, such CGP's, if they have not availed start-up connection but eventually draw power from the grid not more than 30 minutes at one occasion shall be billed @ Rs. 14 per kVAh, as per the average billing rate for this tariff category, which includes demand charge also. Drawal beyond 30 minutes shall be billed at @ Rs 28 per kVAh.
- ix. In case of captive generating plant which have co-located industrial load and who have not availed start-up connection but eventually draws power from the grid not more than 30 minutes at one occasion shall be billed @ Rs. 14 per kVAh it as per the average billing rate for this tariff, which includes demand charge also. Drawal beyond 30 minutes shall be billed at @ Rs 28 per kVAh.
- x. The existing biomass-based generators are exempted from payment of demand charge for the first five years from the date of availing start-up connection, i.e., they are required to pay energy charge only during first five years of availing start-up power and full start-up tariff from sixth year onwards. The new biomass-based generators who would come under operation during the MYT Control Period from FY 2016-17 to FY 2020-21 are exempted from payment of

demand charge for the first five years from the date of commercial operation of their power plant, i.e., they will be required to pay energy charge only during first five years from COD and full start-up tariff from sixth year onwards. However, in case during first five years from the date of its connection, if the actual demand exceeds the contract demand, the billing for that month shall be as per other start-up power consumers exceeding contract demand. In case if the load factor is within 10% but actual demand exceeds the contract demand then also the billing for that month shall be as per other start-up power consumer exceeding contract demand. In case, it is established that the biomass based generator has used biomass in the lesser ratio than as mentioned in the guidelines of the Ministry of New and Renewable Energy during any financial year in first five years from the date of availing start up power tariff then demand charge as per this tariff category (HV-8) shall also become payable for the whole such financial year and such payable amount will be billed in three equal instalments after such happening comes in the notice of CSPDCL.

**1.2.9 HV-9: Industries related to manufacturing of equipment for power generation from renewable energy sources**

**Applicability**

This tariff is applicable to consumers availing supply at 220/132/33/11 kV for manufacturing of plant, machinery and equipment used for generation of power from renewable sources of energy including for the manufacturing of hydel turbine, generator and related auxiliaries needed for small hydel plants up to 25 MW but excluding manufacturing of boilers, turbines, generators, and the related auxiliaries which otherwise can be used for generation of power from conventional source of energy. This tariff shall also not be applicable for manufacturing of such common machines/equipment/and other items such as electrical motors, structural items, nuts bolts, etc. which can be used for other purposes also.

**Tariff:**

Supply Voltage	Demand charge (Rs./kVA/month)	Energy charge (Rs. per kVAh)
220/132/33/11 kV	110	3.15

**1.2.10 HV-10: Information Technology Industries**

**Applicability**

This tariff is applicable to Information Technology Industries having minimum contract demand of 50 kW.

**Tariff:**

Category of Consumers	Fixed Charge	Energy Charge (Rs. per kVAh)	Minimum Charge
<b>HV-8: Information Technology Industries</b>	Nil	4.50	Rs. 3000/-per month

**Note:**

Minimum Charge is monthly minimum charge whether any energy is consumed during the month or not.

**1.3 Temporary Connection at HV****Applicability**

This tariff is applicable to all HV connections (other than the consumers availing Start up power Tariff (HV-8), of temporary nature at 220/132/33/11 kV.

Provided that for construction purpose, a consumer shall be given a temporary connection only.

Temporary supply cannot be demanded by a prospective consumer as a matter of right but will normally be arranged by the Licensee when a requisition is made subject to technical feasibility.

**Tariff:**

One and half times of the normal Tariff applicable for the corresponding category of consumer for demand and energy charge.

**Notes**

- i. An amount equal to estimated bill for 3 months or for the period requisitioned, whichever is less; shall be payable in advance before the temporary connection is served subject to replenishment from time to time and adjustment in the last bill after disconnection.
- ii. If maximum demand is found more than the contract demand in any billing month, the billing shall be done at one and half times/two times of the energy charges and Demand Charges as applicable, in case of exceeding contract demand

in permanent connection, and shall be calculated as per Clause 10 of Terms & Conditions of HV tariff.

- iii. Any expenditure made by CSPDCL up to the point of supply for giving temporary connection shall be payable by the consumer as per prescribed procedure.
- iv. Connection and disconnection charges shall be paid separately.
- v. No rebates/concessions under any head shall be applicable to temporary connections.
- vi. Month for the purpose of billing of temporary supply shall mean 30 days from the date of connection or for part thereof.
- vii. Other terms and conditions of the relevant category of tariff shall also be applicable.
- viii. Surcharge at 2% per month or part thereof on the outstanding amount of the bill shall be payable in addition from the due date of payment of bill, if the bill is not paid by the consumer within the period prescribed.

#### **1.4 Time of Day Tariff**

This tariff is applicable to HV-2, HV-3, and HV-4 tariff category. Under the Time of Day (TOD) Tariff, electricity consumption in respect of HV industries for different periods of the day, i.e., normal period, peak load period and off-peak load period, shall be recorded by installing a TOD meter. Consumption recorded in different periods shall be billed at the following rates on the tariff applicable to the consumer:

<b>Period of Use</b>	<b>Normal rate of Demand Charge Plus</b>
(i) Normal period (5:00 a.m. to 6:00 p.m.)	Normal rate of Energy Charges
(ii) Evening peak load period (6:00 p.m. to 11:00 p.m.)	130% of normal rate of Energy Charge
(iii) Off-peak load period ( 11:00 p.m. to 5:00 am of next day)	75 % of normal rate of Energy Charge

#### **Applicability and Terms and Conditions of TOD tariff:**

- i. The terms and conditions of the applicable tariff (such as monthly tariff minimum charge, etc.) shall continue to apply to a consumer to whom TOD tariff is applicable.

- ii. In case, the consumer exceeds the contract demand, the demand in excess and the corresponding energy shall be billed at one and half/two times (as per methodology specified in Para “Additional Charges for Exceeding Contract Demand” of the Terms and Conditions of HV Tariff) of the normal tariff applicable for the day time (i.e., 5.00 a.m. to 6.00 p.m.) irrespective of the time of use.

## **1.5 Terms and Conditions of HV Tariff**

1. The maximum and minimum contract demand for different supply voltage is governed as per provisions of the Chhattisgarh State Electricity Supply Code, 2011 and its amendments thereof. Presently, the minimum and maximum permissible load at respective supply voltage are as below:

<b>Supply Voltage</b>	<b>Minimum</b>	<b>Maximum</b>
11 kV	60 kVA	500 kVA
33 kV	60 kVA	15 MVA
132 kV	4 MVA	40 MVA
220 kV	15 MVA	150 MVA

Deviation in contract demand, if any, in respect of the above provisions on account of technical reasons, may be permitted with the approval of the Commission and billing shall be done accordingly. The HV consumers having contract demand exceeding the maximum limit mentioned above for respective voltage of supply shall be liable to pay additional charges at the rate of 5% on energy charges of respective consumer category as specified in Clause 10 of terms and conditions of HV tariff.

### **2. Point of Supply**

Power will be supplied to consumers ordinarily at a single point for the entire premises. In certain categories like coal mines, power may be supplied at more than one point on the request of consumer subject to technical feasibility. HV industrial consumers can avail separate LV supply as per Clause 4.40 of the Chhattisgarh State Electricity Supply Code, 2011 in the same premises.

### **3. Billing demand**

The billing demand for the month shall be the maximum demand (in kVA) of the consumer recorded during the billing month or 75% of the contract demand or 60



kVA, whichever is higher, except for the consumers who have reduced their contract demand to zero. The billing demand shall be rounded off to the next whole number.

#### **4. Determination of Demand**

The maximum demand means the highest load measured by sliding window principle of measurement in average kVA at the point of supply of a consumer during any consecutive period of 15 minutes during the billing period.

#### **5. Minimum Charge**

The demand charge on contract demand (CD) is a monthly minimum charge whether any energy is consumed during the month or not.

#### **6. Rounding off**

The amount of HV energy bill shall be rounded off to the nearest multiple of Rs.10.

For example - the amount of Rs. 12345 will be rounded off to Rs. 12350 and Rs. 12344.95 shall be rounded off to Rs. 12340.

In view of the above provision no surcharge will be leviable on outstanding amount, which is less than Rs. 10.

#### **7. Delayed Payment Surcharge**

If the bill is not paid by the consumer within the period prescribed (due date) for payment of the bill, a surcharge @ 1.5% per month or part thereof, on the total outstanding amount of the bill (including arrears, if any but excluding amount of surcharge), shall be payable in addition, from the due date of payment as mentioned in the bill.

#### **8. Additional charges for Local Bodies**

Every Local Body shall pay an additional charge equivalent to any tax or fee levied by it under the provisions of any law including the Corporation Act, District Municipalities Act or Gram Panchayat Act on the poles, lines, transformers and other installations through which the Local Body receives supply.

#### **9. Advance Payment Rebate**

For advance payment made before commencement of consumption period for which bill is to be prepared, a rebate @ 0.5% 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 consumer after adjusting any amount payable to the licensee subject to the net amount of advance being not less than Rs.20000 and shall be adjustable in next month's bill.

**10. Additional Charge for Exceeding Contract Demand**

The consumers should restrict their maximum demand to the extent of contract demand. In case the maximum demand during any month exceeds the contract demand, the foregoing tariffs shall apply only to the extent of the contract demand and corresponding units of energy. The demand in excess of contract demand and corresponding units of energy shall be treated as excess supply. The excess supply so availed, if any, in any month shall be charged at one and half times of the normal tariff applicable to the consumer (demand and energy charges) for the excess demand to the extent of 20% of contract demand and at the rate of two times of normal tariff if the excess demand is found beyond 20% of contract demand.

For the purpose of billing of excess supply, the billing demand and the units of energy shall be determined as under:-

i. **Billing Demand / Contract Demand:**

The demand in excess of the contract demand in any month shall be the billing demand/ contract demand of the excess supply.

ii. **Units Energy:**

The units of energy corresponding to kVA of the portion of the demand in excess of the contract demand shall be:

$$EU = TU (1 - CD/MD)$$

Where

EU - denotes units corresponding to excess supply;

TU - denotes total units supplied during the month;

CD - denotes contract demand; and

MD - denotes maximum demand.

The excess supply availed in any month shall be charged along with the monthly bill and shall be payable by the consumer.

The billing of excess supply at one and half times/two times of the normal tariff applicable to consumer is without prejudice to CSPDCL's right to

discontinue the supply in accordance with the provisions contained in the Chhattisgarh State Electricity Supply Code, 2011.

iii. No rebates/incentive is payable on such excess supply.

**11. Additional Charge**

The HV consumers having contract demand exceeding the maximum limit as prescribed in Clause 1 of terms and conditions of HV tariff with the approval of competent authority shall be levied additional charges at the rate of 5% on energy charges of the respective consumer category.

**12. Meter Hire**

Meter hire shall be charged as per the schedule of miscellaneous charges to all categories of HV consumers.

**13. Tax or Duty**

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/State Government Rules in force. Such charges, if any, shall be payable by the consumer in addition to tariff charges.

**14. Variable Cost Adjustment charge**

VCA charges to be recovered for previous year's consumption for the period October 1, 2015 to March 31, 2016 shall not be billed to retail consumers.

Variable Cost Adjustment (VCA) charge on consumption from April 1, 2016 as per the formula and conditions specified in the MYT Regulations, 2015 shall be levied in addition to energy charge on all the HV categories including temporary supply.

However, from the date of applicability of this Order, the base values for computation of VCA for succeeding period shall be revised in accordance to this Order.

**15. Dispute on applicability of tariff**

In case of any dispute on applicability of tariff on a particular category of HV industry/ consumer, the decision of the Commission shall be final and binding.

Notwithstanding the provisions, if any, contrary to the agreement entered into by the consumer with the CSPDCL, all conditions prescribed herein shall be applicable to the consumer.

**16. Parallel Operation Charges (POC)**

Parallel operation charges shall be payable by CPP to CSPDCL for its captive and non-captive load at the rate Rs.21 per kVA/month.

**17. Open Access Charges**

**a) Transmission Charges**

The long-term and medium-term open access customers including CSPDCL shall be required to pay the annual transmission charges approved by the Commission. Bills shall be raised for transmission charge on monthly basis by the STU (CSPTCL), and payments shall be made by the beneficiaries and long-term and medium-term open access customers directly to the CSPTCL. These monthly charges shall be shared by the long-term open access customers and medium-term open access customers as per allotted capacity proportionately. The monthly transmission charge is Rs. 66.46 Crore.

For short-term open access customer: Rs. 274/MWh (or Rs. 0.274 per kWh) for the energy computed as per the provisions made in Regulation 33 of the CSERC (Connectivity and Intra State Open access) Regulations, 2011 and its subsequent amendment(s)/revision, if any, at 100% load factor for transmission. The same charges shall be applicable for both collective and bilateral transaction at the point or points of injection.

**b) Energy losses for transmission**

Transmission losses at the rate of 3.22% for the energy scheduled for transmission at the point or points of injection shall be recoverable from open access customers.

**c) Wheeling Charges**

For long-term, medium-term and short-term open access customer: Rs. 306/MWh (or Rs. 0.306 per kWh) for the energy computed as per the provisions made in Regulation 33 of the CSERC (Connectivity and Intra State Open access) Regulations, 2011 and its subsequent amendment(s)/revision, if any, at 100% load factor for wheeling. The same charges shall be applicable for both collective and bilateral transaction at the point of injection.

**d) Energy losses for distribution**

Distribution losses at the rate of 6 % for the energy scheduled for distribution at the point or points of injection at 33 kV side of 33/11 kV sub-station.

**e) Operating Charges**

The short-term open access customer shall pay the operation charges to SLDC at the rate of Rs. 2000 per day.

**f) Reactive Energy Charges**

Reactive energy charges shall be levied at the rate of 27 paisa/kVARh

**g) Cross Subsidy Surcharge**

- i. For 220 kV/132 kV consumers Rs. 1.16 per kWh (which is 90% of the computed value of Rs. 1.29 per kWh).
- ii. For 33 kV consumers Rs. 1.21 per kWh (which is 90% of the computed value of Rs. 1.34 per kWh).

**h) Standby charges**

The standby charges for consumers availing open access (using transmission and/or distribution system of Licensee) and who draw power from the grid up to the contracted capacity of open access during the outage of generating plant/CPP shall be 1.5 times of the per kWh weighted average tariff of HV consumers, which is Rs 15.01 per kWh (1.5 times of the average billing rate of Rs.7.51 per kWh). For drawal of power in excess of the contracted capacity of open access, the tariff for availing standby support from the grid shall be two times of the per unit weighted average tariff of HV consumers, which is Rs 11.96 per kWh (2 times of the average billing rate of Rs. 7.51 per kWh). Further, in case of outage of CPP supplying power to captive/non captive consumer who has reduced its contract demand to zero and also availed open access draws power of CSPDCL the billing of such power drawn shall be done as per the standby charges mentioned above.

**Note:** The settlement of energy at drawal point in respect of consumers availing open access and when the generator is on outage shall be governed by the applicable intra-State ABT/UI Regulations to be notified by the Commission and as amended from time to time. Till that time provisions of this order in the matter shall prevail.

**18. Intra-State Open Access Charges for renewable energy transactions**

- a) Transmission Charges in cash for long-term/medium-term/short-term open access - NIL
- b) Wheeling Charges in cash for long-term/medium-term/short-term open access - NIL

- c) SLDC Charges (Operating Charges) for long-term/medium-term/short-term open access - NIL
- d) Total Transmission Charges and Wheeling Charges in kind (energy losses) for long-term/medium-term/short-term open access - 6%
- e) Cross-subsidy surcharge -
  - i. A consumer availing open access is required to pay the cross-subsidy surcharge.
  - ii. In case a generating company is an open access customer and is supplying power to a consumer of the State, the liability of paying cross-subsidy surcharge shall be on the consumer. If a captive generating plant avails open access for supplying power to its captive users, and if the captive users do not fulfil the requirement of captive users in a financial year as prescribed in the Electricity Rules, 2005, then that end user/s shall be liable to pay the cross-subsidy surcharge.

In case of consumer connected to transmission system and receiving power through open access, the transmission licensee shall collect the cross-subsidy surcharge and remit the same to the distribution licensee.

- iii. The cross subsidy surcharge payable is 50% of the cross subsidy surcharge determined for that year, which is as under:
  - a) For 220 kV/132 kV consumers Rs 0.58 per kWh (which is 50% of the computed value of Rs 1.16 per kWh).
  - b) For 33 kV/11 KV consumers Rs. 0.605 per kWh (which is 50% of the computed value of Rs 1.21 per kWh).
- iv. In case of a consumer receiving power from biomass based power generating plants through open access, if it is established that the biomass based power generating plants supplying power to such consumer has used biomass in the lesser ratio than as mentioned in the guidelines of the Ministry of New and Renewable Energy during any financial year, then the relaxations at (iii) above given to the open access consumer shall be treated as withdrawn for that financial year and the biomass generator shall be liable to pay to CSPDCL full open access charges.