

दक्षिण मध्य रेलवे SOUTH CENTRAL RAILWAY

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Di 22.03.2017.

✓ The Secretary,
Telangana State Electricity Regulatory Commission,
D.No 11-4-660, 5th Floor,
Singareni Bhavan, Lakdi-ka-pool,
HYDERABAD-500 004.

Sub: Views of SC Railway for HT-V (A) category Railway Traction tariff for 2017-18

CSF 321
CST
DATE 24/3/17

The representation of South Central Railway against the retail tariff of HT V (A) Railway Traction category is enclosed for kind consideration.

Encl- Copy of Representations

[Signature]
22/3/17
(L.L.MEENA)

CHIEF ELECTRICAL DISTRIBUTION ENGINEER
SOUTH CENTRAL RAILWAY
SECUNDERABAD

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For perusal	<i>[Signature]</i> 24/3 Secretary
Member/T	
Member/F	<i>[Signature]</i> 24/3/17
Chairman	<i>[Signature]</i> 24/3

TSERC, HYDERABAD INWARD
23 MAR 2017
No. 320 <i>[Signature]</i> Signature

1 of 2

MEMBER (S) PESHU
No : 212
DATE : 24/3/17

CHAIRMAN PESHU
No : 236
DATE : 24/3/17

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[Signature]
24/3

VIEWS OF SOUTH CENTRAL RAILWAY ON HT – V (A) CATEGORY RAILWAY TRACTION TARIFF FOR THE YEAR 2017-18

- 1.0** Railways serve the public at large and being a public utility, it should be supplied with electricity at a reasonable price which would reduce its requirement for diesel. In the process there would be saving of foreign exchange. It will also prevent upward revision of fares for transportation of passengers and goods by the Railways
- 2.0** South Central Railway avails traction power at 220/ 132 KV at 16 Traction sub-stations in Telangana state. The total consumption of Railway traction is 555 million units projected for the year 2016-17 and paying a substantial amount of Rs. 392 Crores to various DISCOMs in Telangana.
- 3.0** The Railways are a bulk consumer and pay major revenues to DISCOMs. Hence, the grievances of Railways are to be considered while fixing the tariff for HT-V category.

4.0 Electrification of more sections in Andhra Pradesh :

By way of electrification of Railway network in Telangana State additional infrastructure will be added, resulting into faster movement of goods and passenger traffic. Ultimately there is every possibility of upcoming industries in newly formed Telangana.

Electrification of 3rd line from Ballarsha – Kazipet - Vijayawada section, Raichur –Wadi section, Jaggayyapet- Vishnupuram, MMTS - Phase –II, Peddapalli- Karimnagar- Jagityal and Pagidipalli - Nadikudi sections are under progress in Telangana state. Kachiguda-

Mahaboobnagar doubling and electrification project has been sanctioned.

In view of new electrification works 7 more traction substations in Telangana at Mattampalli, Manoharabad, Thimmapur, Kothapalli, Miryalaguda, Ramannapet and Mahaboobnagar are going to be commissioned in 2017-18, 18-19 and further consumption will be increased.

Higher traction tariff slashes Rate of Return (ROR) for the new electrification projects and making them non- viable.

5.0 Traction Tariff for 2017-18

At present the traction tariff is Rs. 7.10 per KVAh and no demand charges.

The system of single part tariff has worked satisfactorily and there has not been any issue raised by the APSEB and AP/Telangana DISCOMs from 1992 till date.

6.0 Railway option for open access for availing traction power supply.

- Due to discriminative policy of Discoms and over burden, Railways as a distribution licensee, already planned to avail power through open access in Telangana state upto March 2022.
- It is brought to the notice of the Hon'ble commission, Indian Railways are already availing power through open access in various states/Railways as following. As a distribution licensee cross subsidy charges are also not applicable for Railways.

Railway/State	Power Availing from	Unit Cost
Central & Western Railway (Maharashtra, Gujarat & Madhya Pradesh states)	RGPPL	Rs. 4.70/KWH

- In view of this, Chattisgarh State Power distribution company limited (CSPDCL) has proposed reduced traction tariff in their ARR for the year 2017-18 as Demand charges Rs. 350/KVA/Month and energy charges Rs. 2.90/KVAh) for the year 2017-18. (Equivalent to Rs. 4.29/Unit.)
- Similarly, AP Discoms are also proposed traction tariff in their ARR for the year 2017-18 as Demand charges Rs. 500/KVA/Month and energy charges Rs. 3.50/KVAh) for the year 2017-18 equivalent to Rs 5.48/ KVAh (at average load factor 35%) at a reasonable price. Further, after completion of public hearings AP Transco offered to supply power at Rs. 4.95 /KVAH and negotiations are under progress for further reduction to Rs. 4.70/KVAh.
- In this circumstance, existing tariff of TS Discoms Rs. 7.10/KVAh is very high and unreasonable comparatively with other states. Higher tariff comparatively open access tariff, over burden to Railways and prompt paying bulk consumer. The higher tariff of Disoms forcing Railway to go for open access to meet its consumption.

8.0 Conclusion:


From the ongoing paragraphs, it is evident that the existing tariff itself for Railway traction at Rs. 7.10/KVAh is unreasonably high and unjustified.

Railway traction provides base load, maintained high power factor and save imported precious oil, apart from speedy, energy efficient and environmental friendly public transport.

Encouragement for new electrified sections for development of infrastructure in newly formed Telangana state particularly and also act as growth engine for the economy of country largely.

Keeping the above in view, Hon'ble commission is requested to consider and it is prayed that,

- a) The tariff under category HT-V Railway traction be fix at **Rs 4.70/KVAh**
- b) to retain single part tariff as existing
- c) To give impetus to electrification of Railway network, a rebate of at least 10% of energy charges be allowed for a period of five years similar to Chattisgarh and Madhya Pradesh.



22/3/17

(L.L.MEENA)
Chief Electrical Distribution Engineer
South Central Railway

**Average Unit Rate of traction tariff of Kerala, Karnataka, Maharashtra Tamilnadu states
for the year 2016-17**

State	Kerala	Karnataka	Maharashtra	Tamilnadu
Demand charges Rs/KVA	250	190	290	300
Energy Charges Rs/KWH	4.80	5.90	5.55	6.35
No of units per KVA With LF 0.35 (1 KVA X 24 Hrs X 30 days X 0.35 L.F X 0.98 P.F)	247	247	247	247
Equal Amount for 247 units (Demand charges/ No of units)	1.01	0.77	1.17	1.21
Average unit rate	5.81	6.67	6.72	7.56

* Karnataka state TOD tariff available with 22.00 Hrs to 06.00 hrs : Rs -1.25 per unit, 18.00 hrs to 22.00 hrs Rs +1.00 per unit

Applicability of tariff

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

Tax or Duty

10.40 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.

Meter Hire

10.41 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.

Variable Cost Adjustment Charge

10.42 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.

10.43 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.

10.44 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.

Conditions to have over-riding effect

10.45 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.

Proposed Tariff Schedule for High Voltage (HV) Consumers

HV-1: Railway Traction

Applicability:

10.46 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	2.90

Specific terms and conditions:

- 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.

HV-2: Mines

Applicability

10.47 This tariff is applicable to all types of mines, mines with stone crusher unit, 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:

Supply Voltage	Demand Charge (Rs./kVA/month)	Energy Charge (Rs. per kWh)
220 kV supply	450	5.40
132 kV supply	450	5.45
33 kV supply	450	5.80
11 kV supply	450	6.10

HV-3: Other Industrial and General Purpose Non-Industrial

Applicability

10.48 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.

10.49 This tariff is also applicable for bulk supply at one point 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.