

25 kV AC traction was introduced in Palakkad Division in the year 1996-1997. Presently Palakkad Division is having 1018 TKM of electrified tracks, including various sidings.

The 25 kV Single Phase Power supply for electric traction is transmitted from 5 Traction Sub-stations at Kanjikode, Shoranur, Elathur, Kannur South and Charvattur. 110 kV supply is availed from Kerala State Electricity Board for the above traction sub-stations. The Remote Control Centre is located at Divisional Office, Palakkad.

The monthly average electrical consumption towards Electric Traction is 79.11 lakh Units, costing to Rs.4.85 crore approximately. The average unit rate works out to Rs.6.13 per KWh.

SALIENT FEATURES OF PTJ-MAQ SECTION

Sl.	Particulars	Unit	Quantity
1.	Route Kilometer	RKM	402
2.	Track Kilometer	TKM	1018
3.	Traction Sub-station	Nos.	5
4.	Sub-sectioning & paralleling Post (SSP)	Nos.	13
5.	Sectioning & Paralleling Post (SP)	Nos.	7
6.	Feeding Post (FP)	Nos.	5
7.	HT supply authority	-	KSEB
8.	Power Line Crossing	Nos.	22
9.	Road Over Bridges	Nos.	39
10.	Foot Over Bridges	Nos.	41
11.	Level Crossing Gates	Nos.	114
12.	Major Bridge Enroute	Nos.	16
13.	Cantilever Assemblies	Nos.	20360
14.	Auto Tensioning Device (ATD)	Nos.	1265
15.	Elementary Sections	Nos.	179
16.	Insulated Overlap (IOL)	Nos.	97
17.	Un-insulated Overlap (UIOL)	Nos.	503
18.	Isolator	Nos.	206
19.	Auxiliary Transformer (AT)	Nos.	156
20.	Turnouts	Nos.	443
21.	Crossovers	Nos.	101
22.	Section Insulator Assembly	Nos.	226

SECTION WISE ELECTRIFICATION DETAILS

Section	Length (RKM)	Date of commissioning
PTJ-PGT	47.00	11.11.1996
PGT-SRR	44.53	20.03.1997
SRR-KUL	85.00	30.03.2015
KUL-CHV	139.00	22.03.2016
CHV-MAQ	84.00	11.03.2017