

ELECTRICAL TRACTION DISTRIBUTION



ABOUT ELECTRIC TRACTION IN VIJAYAWADA DIVISION

Electric traction was introduced in Vijayawada division during the year 1980 in Vijayawada-Gudur section. Later, other section i.e. Vijayawada-RYP section was energized in March 1986 as a part of Vijayawada – Ballarshah route electrification, Vijayawada (excl.) – Visakhapatnam (incl.) section in March 1997.

The total electrified section of the division is now expanded to 819 Route Kms and 2063 Track Kms including newly electrified section i.e., from Mangampet Road (incl.) to Venkatachalam Road junction (Excl.). Vijayawada-Gudivada-Machilipatnam-Bhimavaram Junction-Narasapur-Nidadavolu Section of 221 RKM electrification work is under progress. 25KV single phase power supply for electric traction is derived from 14 Traction Sub-stations located “en-route” and the erstwhile Andhra Pradesh State Electricity Board, now APTRANSCO is supplying power at 132KV from their grid to all these Traction Sub-stations. The monthly average electrical consumption towards Electrical Traction is 57.6 million units, billing to 25.7 Crores (approx).

FUNCTION

Maintenance of Overhead Equipment & Power supply Installations of the Vijayawada Division and ensures uninterrupted power supply to traction services for movement of Trains.

SALIENT FEATURES

Electrified Track Kilometer	2063 KM
Electrified Route Kilometer	819 KM
Electrification % of Division (RKM)	76.38%

STATISTICAL INFORMATION

1	Traction Sub-Stations	14	GDR, PGU, NGPM, KVZ, OGL, BPP, TEL, KCC, VAT, TDD, RJY, SLO, TUI & AKP
2	Sectioning & Paralleling Posts	15	VKT, AXR, VRJN, SKM, CJM, MCVN, DIG, RYP, GWM, PUA, NDD, APT, DGDG, REG & DVD.
3	Sub Sectioning & paralleling Posts	30	MBL, VDE, KAPT, TMC, BTTR, TTU, TNR, KRV, UGD, CLX, APL, TSR, TEL, BZA(S), BZA, ELS, MBD, GALA, NZD, DEL, CEL, NBM, KVR, KYM, MPU, PAP, COA, ANV, GLU & NASP
4	Supervisory Remote Control	1	BZA
5	Remote Control	1	BZA
6	OHE Depots	14	GDR, NLR, KVZ, OGL, CJM, BPP, KCC, BZA, VAT, TDD, RJY, SLO, TUI & AKP
7	PSI Depots	13	GDR, NLR, KVZ, OGL, BPP, TEL, KCC, VAT, TDD, RJY, SLO, TUI & AKP