

Research Designs and Standards Organisation
(Traction Installation Directorate)

1. ON-GOING PROJECTS

Sl. No.	Project	Objective/status	Targeted date of completion
1.	Online Monitoring System for OHE Traction Parameters	To carry out live scanning of contact wire in dynamic condition for measurement of contact wire thickness, height, stagger and slope. The system will be fully equipped to identify the exact location of measurement being recorded and fully synchronized with GPS positioning system and software support for entire system.	2019-20
2.	Scientific evaluation of High Voltage Insulator conditions/prediction of residual life of composite insulator	Project is completed & completion Report has vetted by finance. The final closer report is under process.	2019-20
3.	Primary facility for Thermal rating of Contact lines, Load flow capability of Traction Distribution system etc.	Software for Traction Power simulation including estimation of thermal rating of Contact wire.	2019-20
4.	Mobile Instrumentation car for monitoring the health of PSI	Mobile Instrumentation car for monitoring the health of PSI(Power supply Instrument) for TSS (Traction Sub-Station)/SSP/SP of Indian Railways	2019-20
5.	Simulation for PSI for operation of additional Trains at 160 KMPH in Delhi-Mumbai and/or Delhi-Howrah route.	Based on Simulation result the final arrangement of PSI in the sections targeted for 160KMPH speed shall be finalized.	2019-20
6.	Dynamic simulation of OHE at 160 KMPH operation in Delhi-Mumbai and/or Delhi-Howrah section.	Based on Simulation result the final arrangement of OHE in the sections targeted for 160KMPH speed shall be finalized.	2019-20