

SYSTEM IMPROVEMENT / INNOVATION

- ✚ For improving reliability of supply 2nd Feeder has been commissioned in KJKD and SRR TSS.
- ✚ Unprotected IOL before starter signal at PGT on Road-4 eliminated by shifting IOL beyond the starter signal. Now there is no unprotected IOL before stop signal in PGT division.
- ✚ All HT meters at TSSs replaced with 0.2s accuracy class ABT meters.
- ✚ Thermal imager is being used extensively to find out hot spots at vulnerable locations.
- ✚ Consistent tree trimming has contributed in reducing the number of Circuit Breaker tripping.
- ✚ All 133 numbers of 42 kV LAs at gantry locations have been provided with disconnect assembly.
- ✚ All the rusted anti-creep wires have been replaced by copper catenary wires.
- ✚ Anti-Monkey Climbing Devices have been provided at monkey menace area of Walayar to reduce spurious circuit breaker trippings.
- ✚ As a part of technological upgradation, Numeric type control & Relay panel has been provided at all 7 Traction substations in PGT division.
- ✚ PTFE neutral sections have been introduced in KJKD/FP for effective management in the event of incoming power supply failures and for control of Maximum demand.
- ✚ Periodical Current collection inspection is being conducted using GPS based OLIVIR-G equipment to find out sparking locations on OHE, thereby helping in attention to defects and preventing failures.
- ✚ Anti-bird discs provided in SRR yard (47 nos) on trial basis to monitor the FCB tripping trend.
- ✚ Provision of netlon mesh over portals at major yards has reduced the FCB tripping due to bird menace.
- ✚ Safety counseling done for other department staff in PGT Division (total 650 nos.).
- ✚ Height Measurement Gauge provided to the Pantograph of CS Tower wagon for Contact wire height measurement
- ✚ In view of unmanning of TSS's, to keep a close vigil on the events and activities, CCTV cameras are installed at TIR, CHV, CS, ETR and JOKT TSSs in PGT Division.
- ✚ Cu Quad cable for RC communication converted to end to end OFC connectivity in RTU at KJKD/TSS. This is second such case in southern Railway for SCADA.