

## **Important achievements made during the year “2023-24” up to AUG’23**

### **Signal**

1. EI (Electronic Interlocking) commissioned at CKH [Make-Kyosan] on 06.04.23, KSC [Make-Kyosan] on 01.06.23 along with Yard modification work replacing existing PI.
2. EI (Electronic Interlocking) commissioned at TRG [Make-Kyosan] on 17.06.23 & ASTN [Make-Kyosan] on 29.06.23.
3. HTZ station was converted to Class ‘B’ from Class ‘C’ station after modification was done in Electronic Interlocking on 28.07.23.
4. ROR Line commissioned in between PMI-BNF on 29.06.23.
5. 3 Nos. of Interlocking done at LC 71’C’ (GZH-PNC) [TVU < 50,000] on 03.04.23, LC 98A (DHA-SLD) [TVU < 50,000] on 10.06.23 & LC 9 B2 (DLN-TRG) [TVU < 50,000] on 17.06.23.
6. 1 No. of temporary LC Gate 47A/T (TVU < 50000) was installed and interlocked at HTZ Station along with provision of ELB, Sliding Boom and Road Signal for NHAJ work.
7. Replacement of obsolete UAC (Universal Axle Counter) with Track circuit in DN Loop line at TWG station on 09.05.23 & in UP Loop line at BWH station on 09.07.23.
8. 3 Sets of UFSBI provided at KSC-SHK (Make-Webfil) on 01.06.23, ASTN-BEHS [Make-DDC] on 29.06.23 & PMI-BNF [Make-Deltron] on 29.06.23.
9. 4 Nos. of HASSDAC (BPAC) provided at KSC-SHK, KSC-WRS [Make-CEL] on 01.06.23, ASTN-BEHS [Make-GGT] & PMI-BNF [Make-CEL] on 29.06.23.
10. IPS provided at KSC [Make-Statcon] on 01.06.23, TRG [Make-Statcon] on 17.06.23 & ASTHAWAN [Make-ARPS] on 29.06.23.
11. Data Logger provided at 6 Stations i.e. KSC [Make- EFFTRONICS] on 01.06.23, TRG [Make-EFFTRONICS] on 17.06.23, ASTN [Make- EFFTRONICS] on 29.06.23, NWD (Make – Efftronics) in JUL’23, WRS (Make – Efftronics) in JUL’23 & DHWN (Make – Efftronics) in JUL’23.
12. LED Signal provided at TRG [Make- RT Vision] (18 Nos.) on 17.06.23 & ASTHAWAN [Make-RT Vision & Tilak International] (12 Nos.) on 29.06.23.
13. LED Signal Aspect provided at TRG (40 Nos.) on 17.06.23 & ASTN (28 Nos.) on 29.06.23.
14. 33 Nos. of Remote Terminal unit (RTU) provided at interlocked LC Gates 102S (SLD-KCA), 87C (DLN-DRV), 85S (BWH-DLN), 85A/S (BWH-DLN), 82B1 (GMR-BWH), 69S (BUE-BXR), 68A (DURE-BUE), 4S (PNBE-PRBZ), 9A (FUT-DHWN), 23B1 (HIL-IPR), 26B1 (HIL-IPR), 27B1 (HIL-IPR), 29B1 (HIL-IPR), 38 (DNR-NEO), 42 (NEO-BTA), 11A (PRBZ-PPN), 20 (NDW-TEA), 29 (JHD-THA), 30 (JHD-THA), 31 (JHD-THA), 58 (BLA-CKH), 63 (CKH-GYA), 53/1 (PHK-RH), 7 (SRY-SHK), 48 (TIA-WZJ), 55 (TIA-WZJ), TLAM IBH, BHCL IBH, BQW IBH, PWKP IBH, LC 38 (JAJ-DPX), LC 97 (DHA-SLD) & LC 55 (KEU-BSQ).
15. 10 Nos. of Networking of RTU done at SDE IBH, LC 49 (BFM-MNP), LC 50 (BFM-MNP), LC 52 (BSQP-MNP), LC 55 (KEU-BSQP), LC 47 (RDUM-HTZ), LC 53/1 (RH-PHK), LC 46 (BTA-BHC), LC 64 (TWG-DURE) & LC 69 (BUE-BXR).
16. COA (Control Office Application) commissioned at DLN on 07.04.23.
17. 5 Nos. of ELB provided at Interlocked LC 71’C’ (GZH-PNC) on 03.04.23, LC 98A (DHA-SLD) on 10.06.23, LC 9 B2 (DLN-TRG) on 17.06.23, LC 26 B1 (HIL-IPR) on 21.08.23 & 27 B1 (HIL-IPR) on 21.08.23.
18. 3 Nos. of Sliding Boom provided at Interlocked LC 71’C’ (GZH-PNC) on 03.04.23, LC 98A (DHA-SLD) on 10.06.23 & LC 9 B2 (DLN-TRG) on 17.06.23.
19. DSMG under Rolling block done at 96 Stations except ASTN, TRG, KHRUN & SARSA\_IMP.
20. 571 Nos. of TRD structural bond insulation provided beneath positive rail of track circuit.
21. 120 Nos. of Ballast clearance of Track circuit zone in view of pre monsoon precaution done.
22. Maintenance Free earth in Axle Counter Location Box done at 23 Stations i.e. DLN, DRV, JMIR, KUA, BHC, DNR, SDE, NEO, RH, PHK, TAL, WENA, POE, RGD, BRYA, MKB, KEU, MNP, JAJ, ORO, NWD, KSC, SHK.
23. 133 Nos. of Heat Retarding Paints provided on Location Boxes.
24. Paralleling of VPR with TPR done at IBH & Class ‘C’ Stations to prevent shorting by miscreants viz; JMIR IBH, PWKP IBH, SDE IBH, BH C, SAN IBH, & DMRX IBH.
25. IRS Point Machine provided at CKH (17 Nos.) on 03.04.23, KSC (12 Nos.) on 01.06.23, TRG (23 Nos.) on 17.06.23, ASTHAWAN (08 Nos.) on 29.06.23.

26. 107.99 Kms. of defective signalling cable replaced.
27. 9 Nos. of Point Machine replaced at PNBE (3 Nos.), RDUM, NDW, MDE, BLA, BWH & BEA.
28. 184 Nos. of Batteries (80 Ah – 129, 300 Ah - 55) replaced.

### **Telecom**

1. UTS commissioned at KRJR on 14.04.23 & PMI on 03.05.23.
2. CCTV Camera commissioned at HTZ (40 Nos.) on 10.06.23.
3. STM-1 (Make-Tejas) [1 No.] & MUX (Make-Webfil) [1 No.] commissioned at ASTHAWAN on 29.06.23.
4. 25 W VHF set (Make-Motorola) provided at TRG on 17.06.23 replacing existing VHF set.
5. PA System provided at TRG (replacing existing PA system) on 17.06.23 & ASTN on 21.08.23.
6. Railnet connectivity provided at 12 Stations i.e. RPR, BEA, BTA, DNR, PWS, RJPB, PNC, JAJ, PPTA, PPN, DURE, JMU.
7. 2 Mbps (Railway) circuit provided between WZJ-KRJR on 14.04.23 & WZJ-PMI on 03.05.23.
8. Master slave telephone provided at LC 27C & 29C (BEHS-WENA) on 23.04.23, LC 60C & 62C (RGD-SILO) on 26.04.23, LC 35C, 36C, 37C & 39C (BEHS-POE) on 30.04.23, LC 55C & 56C (NLD-SILO) on 28.04.23, 4C & 6C (HRT) on 28.04.23, LC 6C, 7C, 8C & 9C (NES-RGD) on 24.05.23, 19AC, 19C, 23C, 24AC, 24C & 25C (WENA) on 19.05.23 in BKP-RGD section.
9. 68 Nos. of Temporary joint has been made permanent joint.