

Important achievements made during the year “2022-23” up to MAR’23

Signal

1. PI (Panel Interlocking) [Make-Deltron] commissioned at SILO on 30.05.22 as a crossing station.
2. EI (Electronic Interlocking) [Make-Kyosan] commissioned at 6 Stations i.e. BSQP on 30.06.22, SRY on 15.10.22, KRTR on 22.10.22, BEHS on 13.02.23, HRT on 18.02.23 & DLN on 24.03.23.
3. IBH commissioned at Mekra-Memrakhabad (MMKB) in between MOR-PHK on 29.07.22 & Kunder Halt (KDER) in between JMU-BFM on 18.03.23 which has enhanced capacity.
4. Double Line commissioned in between TIA – WZJ Section along with alteration of existing EI at TIA & WZJ on 02. 09. 2022.
5. Double Line commissioned in between LKR – SHK Section along with Yard remodeling with modification of existing EI on 20.02.2023.
6. Freight Terminal commissioned at DURE on 03.03.23 & KUA on 22.03.23 along with yard modification.
7. COA (Control Office Application) commissioned at 4 Stations i.e. TIA on 04.08.22, BXR on 18.08.22, RPR on 11.11.22 & NES on 16.02.23 for direct charting from all side for Real Time monitoring of train running status.
8. 9 Nos. of interlocking done at LC 58C (SILO-NLD) (TVU < 50,000) on 30.05.22, 59A (SILO-RGD) (TVU < 50,000) on 30.05.22, LC 53B1 (BSQP-MNP) (TVU < 50,000) on 30.06.22, LC-55S (TIA-WZJ) (TVU >50,000) on 02.09.22, LC 74’S’ (CSA-BXR) [TVU > 50,000] on 31.12.22, LC 7’S’ (SRY-SHK) [TVU < 50,000] on 20.02.23, LC 7’C’ (KRNN-HRT) [TVU < 50,000] on 18.02.23, 4’B2’ (DLN-TRG) [TVU < 50,000] on 28.02.23 & 47’A’ (RDUM-HTZ) [TVU < 50,000] on 06.03.23.
9. 15 Nos. of ELB provided at Interlocked LC 25C (NDU) on 03.05.22, LC 30B (JHD-THA) on 14.05.22, 58C (SILO-NLD) on 30.05.22, 59A (SILO-RGD) on 30.05.22, LC 53B1 (BSQP-MNP) on 30.06.22, LC 63A (RGD) on 09.08.22, LC-55S (TIA-WZJ) on 02.09.22, LC 28B2 (JHD) on 10.09.22, LC 27C (JHD) on 25.09.22, LC 4’C’ (SRY) on 15.10.22, LC 74’S’ (CSA-BXR) on 31.12.22, LC 7’S’ (SRY-SHK) on 20.02.23, LC 7’C’ (KRNN-HRT) on 18.02.23, 4’B2’ (DLN-TRG) on 28.02.23 & 47’A’ (RDUM-HTZ) on 06.03.23.
10. 9 Nos. of Sliding Boom provided at Interlocked LC 58C (SILO-NLD) on 30.05.22, 59A (SILO-RGD) on 30.05.22, LC 53B1 (BSQP-MNP) on 30.06.22, LC-55S (TIA-WZJ) on 02.09.22, LC 74’S’ (CSA-BXR) on 31.12.22, LC 7’S’ (SRY-SHK) on 20.02.23, LC 7’C’ (KRNN-HRT) on 18.02.23, 4’B2’ (DLN-TRG) on 28.02.23 & 47’A’ (RDUM-HTZ) on 06.03.23.
11. 2 Nos. of LC Gate telephone connected with LC 58C (SILO) on 30.05.22 & 59A (SILO) on 30.05.22.
12. 2 Sets of UFSBI (Universal Fail Safe Block Interface) provided in between SILO-NLD on 30.05.22 & SILO-RGD on 30.05.22.
13. 6 Set of UFSBI commissioned in between TIA – WZJ (Make – Deltron) on 02.09.22, BEHS – POE (Make-WEBFILL) on 13.02.23, BEHS-DHWN (Make-WEBFILL) on 13.02.23, BEHS – WENA (Make-DCC) on 13.02.23, HRT-KRNN (Make-WEBFILL) on 18.02.23 & HRT-WENA (Make-DCC) on 18.02.23 section (Double Line) replacing existing Single Line UFSBI.
14. Media Diversity in Block Section along with Auto-Change-over in UFSBI provided in between TIA – WZJ section on 02. 09. 2022.
15. MSDAC (Frauscher – Make) with 16 DP commissioned in between JMU-KDER & KDER-BFM on 18.03.23 & PHK-MMKB IBH & MMKB IBH-MOR on 29.07.22 replacing HASSDAC (Make – CEL) provided in between JMU-BFM & MOR-PHK respectively.
16. 7 Nos. of HASSDAC provided in between SILO-NLD (Make-CEL) on 30.05.22, SILO-RGD (Make-CEL) on 30.05.22, TIA – WZJ (Make-CEL) in DN Line on 02.09.22, TIA – WZJ Section (Make-GGT) in UP Line on 02.09.22, LKR-KRTR on 20.02.23, KRTR-SRY on 20.02.23 & SRY-SHK on 20.02.23.
17. 3 Nos. of HASSDAC provided in between KSC-WRS (Make-GGT) on 18.04.22 & NWD in Bridge Line (Make-GGT) on 15.12.22 replacing existing SSDAC.
18. UP & DN loop Analog Axle Counter replaced with Track circuits at BEA on 21.01.23.
19. 2 Nos. of Data Logger (Make – Efftronics) provided at SILO on 30.05.22 & BEHS in Relay Hut on 13.02.23.

20. 3 Nos. of Data Logger provided at SRY (Make- Efftronics) on 15.10.22 replacing existing Data Logger (Make- Serveen), BEHS (Make- Efftronics) replacing existing Data Logger (Make-HBL) on 13.02.23 & HRT (Make- Efftronics) replacing existing Data Logger (Make- Efftronics) on 18.02.23.
21. 4 Nos. of RTU [Make-Efftronics] provided at MMKB IBH on 29.07.22, 4'B2' (DLN-TRG) on 28.02.23, 47'A' (RDUM-HTZ) (Make-STATCON) on 06.03.23 & Kunder (KDER) IBH on 18.03.23.
22. IBH MUX commissioned between KRS & BEA on 14.12.22.
23. 6 Nos. of IPS provided at SILO (Make – ARPS) on 30.05.22 & MMKB IBH (Make – ARPS) on 29.07.22, LC-55S (TIA-WZJ) (Make-STATCON) on 02.09.22, BEHS in Relay Hut (Make-STATCON) on 13.02.23, LC 4B2 (DLN-TRG) (Make-STATCON) on 28.02.23 & 47'A' (RDUM-HTZ) (Make-STATCON) on 06.03.23.
24. 7 Nos. of IPS provided at TIA (Make-STATCON) on 02. 09. 22, 48A (TIA – WZJ) (Make-STATCON) on 02. 09. 22, SRY (Make-STATCON) on 15.10.22, KRTR (Make-STATCON) on 22.10.22, BEHS (Make-STATCON) on 13.02.23, HRT (Make-HBL) on 18.02.23 & DLN (Make – Statcon) on 24.03.23 replacing existing (Make-Amarraja).
25. 4 Nos. of IRS Point Machine provided at SILO on 30.05.22.
26. Fuse Monitoring Alarm System provided at SRY on 15.10.22, KRTR on 22.10.22 & SHK on 20.02.23.
27. Class “A” protection & Ring Earth provided at SRY on 15.10.22, KRTR on 22.10.22., BEHS on 13.02.23, HRT on 18.02.23, SHK on 20.02.23, DLN on 24.03.23 & Kunder (KDER) IBH.
28. Track Charger Failure Alarm system provided at BEHS on 13.02.23, HRT on 18.02.23, KRTR on 20.02.23, SRY on 20.02.23 & SHK on 20.02.23.
29. Maintenance Free Earth provided at 17 Stations and 1 IBH in Axle Counter Location Box at SRY, KRTR, TIA, WZJ, BEA, BYN, SLD, DHA, DURE, ARA, BYN, HRT, BEHS, KRTR, SRY, SHK, DLN & Kunder (KDER) IBH.
30. 8 Nos. of Air Condition provided at Relay room of PMI (1 No.) on 30.04.22, BSQP (2 Nos.), PRBZ (1 No.) on 09.09.22, PPN (1 No.) on 09.09.22, KOO (1 No.) on 25.09.22, SRY on 15.10.22 & KRTR on 22.10.22.
31. 442 Nos. of Batteries (80 Ah – 294, 300 Ah – 116, 400 Ah - 32) replaced.
32. 110 Nos. of Point machine replaced.

Telecom

1. IP based Exchange (Server – Lenevo & Media Gateway - Asttech) commissioned at 7 Stations i.e. BXR, ARA, PNBE, MKA, KEU, JAJ on 22.01.23 & Patna/CSSH on 07.02.23 replacing existing 15 years old Exchange and commissioned at BKP on 22.01.23.
2. CCTV Camera commissioned at BTA (27 Nos.) on 25.02.23.
3. CCTV Camera commissioned at SHK (4 Nos.) for monitoring of Weigh Bridge on 20.09.22.
4. 2 Nos. of Coach at a glance (Single Line Single Face) commissioned at ZNA (1 No. at Main Entrance) on 08.05.22 & GMR (1 No. at Main Entrance) on 08.05.22).
5. UTS commissioned at 3 Stations i.e. JTIN on 12.12.22, NES on 02.01.23 & ORO on 12.01.23.
6. PA System provided at SILO on 30.05.22.
7. STM-4 (Make-Tejas) & MUX (Make-Webfil) commissioned at SILO on 25.05.22.
8. 25 Watt VHF set (Make-Kenwood) provided at SILO on 30.05.22.
9. TMS (Train Management System) provided at SGYN Ultratech Cement Factory on 12.04.22, SGYN on 12.08.22 & RH/NTPC on 09.02.23.
10. STM-4 of PNBE/Exchange shifted at new RCIL's building, Patna on 29.12.22.
11. Quad cable laying done in block section between RJPB and GZH replacing old 4 Quad cable with new 6 Quad cable on 24.12.22
12. MUX (Make-Mapple) commissioned at MMKB IBH (4 Nos.), MOR (2 Nos.) & PHK (2 Nos.) on 29.07.22 & KDER IBH (2 Nos.), JMU (1 No.) & BFM (1 No.) on 18.03.23 for IBH phone and Data Logger.
13. 25 W VHF Set (Make – Kenwood) replaced at 26 Stations. i.e. RDUM on 23.09.22, RJO on 23.09.22, IPR on 20.09.22, PNC on 16.09.22, RJPB (2 Nos.) on 15.09.22, KWO on 16.09.22, TKBG on 18.09.22, PRBZ on 18.09.22, PFT on 18.09.22, PWS on 15.09.22, PPTA on 16.09.22, RPR on 20.09.22, JAJ/ART on 19.09.22, BEA on 21.09.22, NEO on 22.09.22, DURE on 21.09.22, TEA on 24.09.22, JHD on 25.09.22, DLN on 27.09, DNR/YM on 27.09.22, TWG on 01.10.22, CSA on 07.10.22, KUA on 12.10.22, PNBE on 13.10.22, SRY on 15.10.22 & KRTR on 22.10.22.