

**I. HIGHLIGHTS OF SIGNALING & TELECOMMUNICATION
FROM Apr'2023 TO Oct '2023 in 2023-24**

1	<p>➤ New station LLJP has been commissioned with PI interlocking with following equipments in continuity to HUFPP on 11.10.2023</p> <ul style="list-style-type: none"> i. HASSDAC for LLJP-HUFPP section. ii. UFSBI Block Instrument for LLJP-HUFPP iii. IPS with 1set battery bank (200AH), Data logger iv. 23 Nos. track circuit, 8 Nos. Signals, 8 Nos. points machine, 06 Nos. dependent & 02 Nos. independent Shunt Signal.
2	<p>➤ New Control Building has been commissioned with commissioning of new modern equipments at SEE & the old equipment were shifted from old control room to new building. Entire building of New Control has been provided with Wi-Fi facility. All the boards and PC of New Control has been provided with high speed Internet facility by segregating bandwidth through V-LAN to meet the requirements</p> <p>➤ Multi-monitoring system provided at all 05 control boards. Silent features of system are:</p> <ul style="list-style-type: none"> i) Displays Online Station Mimic (Tracks, Signals, Points, LC Gates etc) ii) Displays Route Set & Release indication. iii) Enables Remote Monitoring of the same through LAN. <p><u>Benefit-</u></p> <ul style="list-style-type: none"> a) Controller can have real time Line occupancy information of all stations in his control section.
3	<p>Interlocking of LC Gates-Total 02 Nos. LC gate has been interlocked (10C/LLJP, 19B2/KGG-MNE) Note-02 Nos. LC gate 1B/KGG-Olapur, 1B/KGG-HSS taken over from SPJ division</p>
4	<p>Sliding Boom-01 No. sliding boom has been commissioned at LC gate (10C/LLJP, 19B2/KGG-MNE) Note-02 Nos. LC gate 1B/KGG-Olapur, 1B/KGG-HSS taken over from SPJ division</p>
5	<p>Electric Lifting Barrier- Total 06 Nos. EOLB have been commissioned/replaced (LC 10C/LLJP, 19B2/MNE-KGG, 41C/NAZJ, 32Spl/DSS, 3T Spl/GHZ & LC-29B2/SKJ) in which 02 No. have been done during interlocking of LC gate, 02 Nos. conversion of mechanical lifting barrier to EOLB, 02 No. in place of worn out EOLB, Note-02 Nos. LC gate 1B/KGG-Olapur, 1B/KGG-HSS taken over from SPJ division</p>
6	<p>RTU-06 Nos. RTU has been commissioned at mid-section interlocked LC gates (14C/MOG, 19B2/KGG-MNE, 19B2/KGG-MNE, 14BC/MOG, 29C/MNO, 22Spl/SPP)</p>
7	<p>MSDAC-MSDACs have been commissioned in parallel to track circuit at MOG (13 Nos. track sections), NNNL (15 Nos. track sections) & VPDA (13 Nos. track sections)</p>
8	<p>Automatic Fire detection & Alarm System-Automatic Fire detection and Alarm System has been installed at LLJP, BJU/ERH & BJU/E</p>
9	<p>Remote Diagnostic Preventive Maintenance System (RDPMS)-RDPMS system has been installed at STLR, DGA, PMU for real time health monitoring of different gears like track circuits, Electrical point machines & Signals.</p>
10	<p>Networking and validation of datalogger-Networking and validation of datalogger</p>

	has been done at LLJP, 19B2/KGG-MNE		
11	Monitoring of ELD through Data Loggers -Monitoring of ELD through Data logger has been provided at KPGM, BCA/C, KGG/G, KGG/W, KGG/E, BJU/E.		
12	Provision of S&T Key Boxes - S&T Key Boxes with additional set of keys as per JPO issued from HQ have been provided in SM's room at all stations in SEE division		
13	Defective/low insulation Cable replacement	Target	Cumulative Oct'23
(a)	Signaling Cable	150 Km	39.22 Km
(b)	Telecom Cable	30 Km	9.22 Km
14	Permanent Joints -119 Nos. permanent joint was done different section during rectification of 6 quad cable.		
15	IP Based-Exchange has been commissioned at 03 stations (MFP, THB, KGG) to cater the communication load at these location.		
16	STM 1 & PD MUX each one has been commissioned at LLJP		
17	Maintenance free earthing -33 Nos. maintenance free earthing was provided at CRR, SMO and BKHR, NBJU-UMNR (04 Nos), NNA-KHQ(03 Nos), GHZ/Exch, GHZ/MW, BCA, TGA,SMO, CRR, KIBH, KTRH, THB, NNA, GAI, PSR, MNE, UMNR, SKJ, DPL, TIL & BGS station.		
18	Fire Extinguisher - Fire Extinguisher (CO2 type. 4.5 Kg) each installed at BJU/Enquiry, East Outer/BJU, Jn-Cabin-GHZ, OFC room at DKGS, BCA, STJT, DSS & NAZJ, BJU/Enquiry, TGA station, East Outer/BJU, Jn-Cabin/GHZ, OFC room of DKGS station, West Panel/BJU, East Panel/BJU, GHA exchange, exchange battery room, MW/OFC room/GHZ, BCA, STJT, NAZJ & UJP station.		
19	CCTV Camera -13 Nos. CCTV cameras were installed at Running Room/BJU-06 Nos. & LC Gate No-6: 07 Nos respectively.		
20	Surge Protection Device -26 Nos. SPD connection was provided at GHZ/Exch, MW/GHZ, Cabin/GHZ, DKGS, STJT, DSS, NAZJ, UJP, SMO, CRR, KBH, KTRH, THB, NNA, GAI, PSR, MNE, UMNR, SKJ, DPL, TIL, SKJ, BKHR, KUE, SMO OFC room and MFP/enquiry, BGS		
21	Battery set -96 Nos, 2V/200AH battery was installed for OFC equipment 24 Nos. at each BKHR, SIHO, TIL & SKJ station.		