

ACHIEVEMENTS OF S&T DEPARTMENT DURING F.Y. 2019-20

Signal (APRIL '2019-MARCH '2020):

1. COMMISSIONING OF NEW FREIGHT TERMINAL AT KUMB

Commissioning of New Freight terminal at Kumarbagh with new Domino Panel.

2. Commissioning of Muktapur side Double Line with Circuit modification of Samastipur.

3. INTERLOCKING OF LEVEL CROSSING GATES:

08 nos. Level crossing gate no. 50C/B2 (SPJ-UJP), 1A/C (SPJ-MKPR), 54/C (SPJ-KPGM), 8/C (RXL-RGH), 72/SPL (BDMA -MRIJ), 71/SPL(BDMA -MRIJ) & 10/C (ROA-NWC), 14/A (NWC-ROA) have been interlocked.

4. INTERLOCKING OF LC GATE DURING GAUGE CONVERSION:

05 nos. Level crossing gate no. 45/C (GEB-SOU), 39/C (PGC-SHC), 40/C (PGC-GEB), 51/C (SOU-GEB), 53/B (SOU-SRGR) have been interlocked during Gauge conversion work between SHC-SOU section.

5. COMMISSIONING OF SLIDING BOOM BARRIER ON 32 NOS. OF LEVEL CROSSING GATE:

Sliding boom barrier have been commissioned on 32 nos. level crossing gates 50C/B2 (SPJ-UJP), 183/B1 (MJL-SGL) & 184/B1 (MJL-BTH), 189/C (KUMB-BTH), 9/C (KUMB-CAI) & 10/C (CAI-SAHI), 42/C (KPB YARD), 1A/C (SPJ-MKPR), 1/A (SPJ-MKPR), 54/C (SPJ-KPGM), 5/C (KUMB-CAI), 68/C (MRIJ-BDMA), 18/C (RXL-RGH), 62/C (VKNR-PNYA), 72/SPL (BDMA -MRIJ), 45/C (GEB-SOU), 25/C (CAO-ADX), 25A/C (ADX -RXL),71/SPL (BDMA -MRIJ) & 10/C (ROA-NWC), 51/C (SOU-GEB), 53/B (SOU-SRGR), 17/C (KTNR-PRNC), 18/C (KTNR-SRSI), 33/C(SRSI-KTNR), 34/C (SRSI-BNKI),45/C (BNKI-JNKR), 52/C(JNKR-BNKI), 54/C(JNKR-MRIJ), 5/B2 (PRNC-PRNA), 6/C (PRNC-KTNR), 14/A (NWC-ROA). This arrangement will minimise detentions to trains in case of breakage of booms at interlocked gates.

6. COMMISSIONING OF ELECTRONIC INTERLOCKING:

06 stations (MKPR, KSP, JYG, PGC, GEB, SOU) have been commissioned with Electronic Interlocking.

7. COMMISSIONING OF PANEL INTERLOCKING:

New DOMINO panel commissioned at KUMB.

8. PROVISION OF MINI IPS:-

Mini IPS has been provided at LC-1/B (OLP-KGG), 72/SPL (BDMA -MRIJ), 71/SPL (BDMA -MRIJ), 62/C (VKNR-PNYA), 26/C (HIR-CAMU), 14/A (NWC-ROA) (Make: Amraraja),

9. PROVISION OF BLOCK PROVING AXLE COUNTER:-

BPAC in 06 sections (KUMB-BTH, KUMB-CAI, SHC-PGC, PGC-GEB, GEB-SOU, BHB-MNE) have been commissioned.

10. PROVISION OF UFSBI :-

UFSBI in 05 Sections (SHC-PGC, PGC-GEB, GEB-SOU, SPJ-MKPR, MKPR-KSP) have been commissioned.

11. REPLACEMENT OF DATALOGGER:-

JYG (Efftronics make).

12. PROVISION OF AIR CONDITIONER IN RELAY ROOM:

06 stations (MKPR, KSP, JYG, PGC, GEB, SOU) have been provided with AC in relay room.

13. REPLACEMENT/REHABILITATION OF DEFECTIVE SIGNALLING CABLE ON RELIABILITY:

Signalling cable-86.128 Km & 06 Quad Cable-4.660Km

14. PROVISION OF FIRE ALARM SYSTEM:-

MKPR, KSP, JYG, PGC, GEB, SOU, BGDS, ARG, NRN, ROA, NWC, HPO, DSKG, SLNA, OLP, IML

15. PROVISION OF IPS:-

PGC, GEB, SOU

16. PROVISION OF DATA LOGGER:-

PGC, GEB, SOU

17. PROVISION OF 'A' CLASS LIGHTENING PROTECTION (12 STATIONS):-

IML, HPO, KFA, SBV, SRSI, KTNR, BNKI, BMKI, MTR, KVC, KTI, MAI,

18. SEGREGATION OF POWER SUPPLY FOR STAND BY SSDAC (18 sections):

DSKG-Both side, SLNA- Both side, BGDS-Both side, ARG- Both side, NRN- Both side, ROA- Both side, NWC- One side, HPO- Both side, BYP- Both side, SHC- One side.

19. PROVISION OF LUMINOUS STRIP ON GOODS WARNING BOARD:

39 stations luminous Strip provided on UP/DN Good Warning board.

20. REPLACEMENT OF BLOCK INSTRUMENT-

Replacement of block instrument DIADO Token less BI in DSKG-SLNA, SLNA-IML, IML-OLP, ROA-NWC, NWC-HPO, HPO-DSKG, BGDS-ARG, ARG-NRN, NRN-ROA, DBG-KKHT, KKHT-TRS, TRS-SKI, SKI-PDW, PDW-MBI, MBI-RJA, RJA-KJI, KJI-JYG, DBG-MHP, MFP-JUBS, MNE-BHB, KSP-RBZ, RBZ-HYT, HYT-TLWA, TLWA-LSI, DBG-LSI section for Railway Electrification.

21. REPLACEMENT OF OLD POINT MACHINE:

Replaced 70 nos. old point machines DBG-51, SPJ-304A, JUBS-56A, PPA-23A, BMKI-26A, RXL-58B, BRU-22A, NKE-508A, 508B, SMI-54B, SBM-52A, 52B, ROA-54A, 54B, 51B, SAHI-22A, 22B, 24A, NKE-511B, PDW-51B, RXL-74A, DBG-53B, LSI-23A, 21B, 22B, 24A, HYT-21A, 22A, RBZ-52A, 53A, SAHI-23B, 24B, BRU-21A, 21B, PPA-24A, PPA-22A, KJI-51A, 52B, TRS-51B, LSI-23A, MJL-51A, CAI-56A, 56B, SAHI-21B, SPJ-306A, RXL-78A, 66B, BMKI-22, SGL-51, SRA-53A, SPJ-362B, 371A, 373A, HIR-21A, 23B, SBM-52A, 52B, SPJ-372B, 365, KVC-41B, ARG-53A, 53B, NRN-51B, NWC-51B, HPO-52A, 52B, SAHI-23A, BRU-24B, HIR-24B, PATR-52A

22. IMPROVEMENT OF IPS BATTERY BACK UP:-

12 nos. IPS battery backup has been improved to 14 hours. Battery provided at RBZ-55 Nos (300 AH), RXL-55 Nos (300 AH), ROA-55 Nos (200 AH), MJL-55 Nos (300 AH), SRA-55 Nos (300 AH), SKI-55 Nos (400 AH), SRSI-55 Nos (300 AH), SPJ-55 Nos (400 AH), GARA-55 Nos (300 AH), DBG- 55 Nos. (400AH), JYG- 55 Nos. (400AH), BTH- 49 Nos. (400AH) by complete replacement of battery set.

23. PROVISION OF PPTC FUSE ON OUTDOOR CIRCUIT:

02 stations provided with PPTC fuse on outdoor circuit which will be used to help protect against harmful over-current surges and over temperature faults, thereby reducing warranty, service and repair costs.

24. PROVISION OF HASSDAC IN LIEU OF TRACK CIRCUIT.

03 no. has been commissioned SPJ-36T, CHAKIA-L-1&3

25. COMMISSIONING OF SOLAR PANEL AT VARIOUS STATIONS OF SPJ DIV. :-

Solar panel has been commissioned at 02 stations (ROA, NWC) of SPJ for IPS battery charging. This will improve reliability of signalling power supply as well as saving of the diesel consumption. This system is eco friendly and easy to maintain.

26. PROVISION OF LIGHTNING PROTECTION OF CLASS (A,B,C & D) ON EI STATIONS.

MKPR, KSP, JYG, PGC, GEB, SOU

27. PROVISION OF CLASS 'A' LIGHTNING PROTECTION.

MJL, BTH, KUMB, CAI, HIR, BRU, KPB, IML, HPO, KFA, SBV, SRSI, KTNR, BNKI, BMKI, MTR, KVC, KTI, MAI.

28. PROVISION OF EARTH LEAKAGE DETECTOR (22 STATIONS):

SGL, MKPR, KSP, MHP, KML, JGA, JNR, BJT, PSZ, BGDS, ARG, NRN, ROA, NWC, HPO, DSKG, SLNA, IML, OLP, PGC, GEB, SOU.