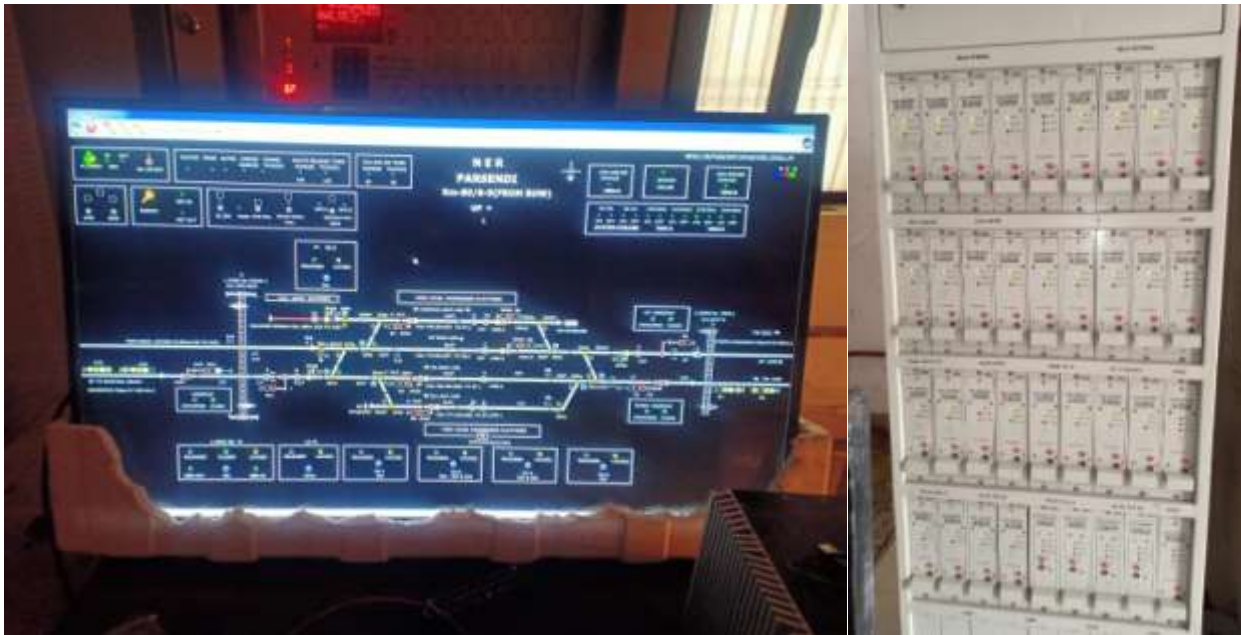


## ACHIVEMENTS PERTAINING TO SIGNAL (APRIL/2021 DECEMBER/2021)

- 1.0 17 Km double line section from Sitapur(STP) to Parsendi(PSN) has been commissioned on 24.11.21 by Construction organization of NER with provision of Double Distant Signal & EI(Kyosan) make.LC Gate 75C(PSN) has been interlocked with ELB & Slide boom barrier and road user signal under execution of doubling work .Standard of interlocking has been raised to Std IIR at PSN station.Apart from this alteration in Sitapur(STP) Medha make EI done to suit doubling towards TKUR side.Old Panel replaced with VDU at STP station.BPAC with UFSBI & HASSDAC have been provided in STP-TKUR-PSN section and Daido with HASSDAC has been provided in PSN -RMAR section.Provision of AFDAS, ELD,Fuse monitoring System,Track feed charger status monitoring System,Relay status indication Panel have been done at PSN & TKUR stations.





1.1 CRS inspection of RE modification work has been conducted successfully in ANDN-NTV section on date 23.09.21.



1.2 In connection with BG conversion work in Mailani-Seharamau section, circuit aiteration work has been done at MLN station. BPAC with UFSBI & HASSDAC(CEL make) has been provided in Lailani - Seharamau block section to replace Neals Tablet block instrument. Neals tablet block instrument in MLN-BIK section has been replaced by Neals Ball Token instrument under execution of same work.

STATCON make IPS and RTU(Efftronics make) have been provided at LC gate no. 179 B1(MAILANI-SEHRAMAU) under Gauge conversion work towards Sehrau side.

- 1.3 CRS inspection of RE modification work has been conducted in LMP-BNKJ section on date 25.11.21. STATCON make IPS and RTU(Efftronics make) have been provided at LC gate no. 122A (LMP-PD) under RE modification work.
- 1.4 Slide boom barrier has been commissioned at 45 nos. LC Gate to avoid train detention in case of damaging/wire breakage.



- 1.5 Interlocked LC gate 58 A(NUH-CIH),113A(TLR-GIR) and 166B2(JTB) have been closed against road traffic due to provision of ROB/LHS on it.
- 1.6 Provision of BPAC with UFSBI(Deltron make) & HASSDAC(CEL) has been done on date 25.08.2021 in LIR-NTV section under RE modification work.



- 1.7 Old IPS at NTV, MIM & PJ station have been replaced by new IPS of HBL make. IPS of HBL make has been provided at LC gate no. 3Spl(JEA) ,10B A(MIM),20 Spl(LIR) under RE modification work. IPS of Amar Raja make has been provided at mid section interlocked LC gate no. 17A(KEA-MUR)





- 1.8 Reliance/RT Vision make Auto fuse alarm system has been provided at BHA,SD,KMP , KB& GTNR stations by RVNL/CON.**



- 1.9 ELD of 12 channel has been provided at KEA & GTNR station of Reliance & Anu Vidhyut make respectively.**



- 1.10 For provision of time delay of 120 second in EUUYN, circuit alteration has been done at 13 stations.**
- 1.11 Circuit alteration & SWR modification completed in 45 block section in compliance of typical circuit of BPAC issued by HQ to avoid dispatch of train on authority after preparatory reset.**
- 1.12 Calling on circuit alteration has been done at 45 stations.[JTB,SWA,MHH,KLD,CRV,MND,ORW,BST,GOVR,TH,GAU,BV,PATI,MSW,LKNR,MUR,BRCK,MOTG,,JEA, MIM,PJ,CM,LIR, NTV,UB,SDDN,CIH, BMJ, SOT, PRZ SUBR,GADM,BGANITE,BLP,TLR,CKG,GHT,BUW,BUR,JBR,CLW, PSN,SYU].**
- 1.13 Circuit alteration regarding TSR contact removal from Lock & Block Circuit to prevent Advance fly back of Rear station done at 19 stations.[DMG,JTB,SWA,MHH ,MND, BST,GOVR,TH,GAUR,BV BRCK,BUR , BUW, CKG, GHT,JLD, SUJ, CLJ & GDK ].**
- 1.0 38 nos. Thick web switch has been provided with High thrust point machine at JTB,MHH,GOVR,GHT ,BUW,STP,TKUR,PSN & BUW station by Engg. Department with coordination of S & T Department.**
- 1.1 Bifurcation of track circuit 206T has been done at MHH station on date 20.04.2021 and CEL make HASSDAC has been provided in parallel of DC track circuit for dual detection.**
- 1.2 Bifurcation of Track circuit 201B T in to 201BT & 203T have been done on dt 21.05.2021 at GAUR station and related circuit alteration has been done.**

- 1.3 Bifurcation of Track circuit 201B T in to 201BT & 203T have been done on dt 24.05.2021 at GOVR station and related circuit alteration has been done.
- 1.4 Bifurcation of track circuit 207T has been done at CRV station on date 27.09.2021.
- 1.5 ELD has been networked with Datalogger at 37 stations in Division to monitor the health of signalling cables.
- 1.6 Wiring of potential free contact of track feed battery charger with Datalogger has been done at 14 stations.[JTB,SWA,MHH,KLD,CRV,MND, ORW,BST,GOVR ,TH,GAU,BV,TKUR,PSN].
- 1.7 Solenoid boom locking arrangement replaced by new motorised boom locking arrangement at gate no 3A(ASH), 73 Spl (STP) & 93Spl(STP) .
- 1.8 Replacement of old LED aspect with integrated LED aspect at TKUR,PSN,GKP & DMG stations have been done.
- 1.9 Media Redundancy by provision of Quad & OFC for axle counter have been done in 8 block section during the month(ANDN-BMJ,TKUR-PSN,PSN-RMAR,TSF-PPE,PPE-MMB,LIR-NTV,MUR-TRE-& TRE-KEA)
- 1.10 Provision of Auto media change over arrangement for UFSBI has been done in 4 section (ANDN-BMJ, LIR-NTV,MUR-TRE-& TRE-KEA section).
- 1.11 Provision of dual media(both OFC & Quad Media) for UFSBI has been done in 5 section (ANDN-BMJ,GADM-BGAN,LIR-NTV,MUR-TRE & TRE-KEA section.
- 1.12 4499 nos. Nos. PPTC fuses have been provided at 33 stations[GKP,GKC, DMG,JEA,PJ,CM,ANDN,LIR, GDK,CKG,BUW,BUR,JBR, GTNR,BNZ LJN,DAL,BKT,MBPPATI,SNC,MSW,LKNR,MUR,MOTG,JLHI,BRCK,HA, LMP, PD,GK,BNKJ & MLN stations] & IBS GDK-MIR, MIR-CLJ,SUJ-JLD,BUW-BUR & JBR-BBK .



- 1.13 Paralleling Cutting in contacts in location boxes has been done at 12 stations[LIR,HA,LMP, GK,PD,MLN,NTV ,JLHI,MOTG,BRCK,LKNR,MSW ].
- 1.14 Laying of standby power cable from CLS Panel to IPS has been done at 20 stations(GKC,GKP & DMG,JEA,MIM,PJ,CM,ANDN,LIR,NTV,GDK,MIR,CLJ,SUJ,JLD,GHT,BUW,BUR,JBR).
- 1.15 Paralleling of wire rope inside GI pipe for road & track crossings has been done at 95 nos. Mechanical LC gate to prevent wire run damaging inside GI operation
- 1.16 Allotting first bit of Data Logger for monitoring door of Relay Room at 25 stations have been done[LJN,ASH,LC,DAL,BNZ,GTNR,BHA,MBP, BKT,AA, SD,KMP,KB,STP,KLD,BLP,TLR,GAW,BNY, HA, LMP, PD,GK,BNKJ,MLN].
- 1.17 Provision of 4 Way FRB TLJB at 11 stations[ASH,KMP,LMP,HA,GK, SD,AA KB,MBP,BKT,BNKJ,]have been done .
- 1.18 Track circuits have been protected by providing HDPE pipe over TRD bond to avoid shorting of it with positive rail at 10 stations[SD,HA,LMP, PD,GK,BNKJ,MLN,LIR & NTV ].
- 1.19 Replacement of 2 core jumper cable has been replaced by 6 core cable used as tail cable sfor track Circuit at 25 stations.[BRCK,MOTG, JLHI, CLJ,MIR, SUJ, GHT, JLD,CKG,BUW BNZ,GTNR,LC,BVN, SYU,TKUR, MBP,BKT,AA, HA,LMP,GK,PD,BNKJ,MLN].
- 1.20 Drive has been conducted in Division and Correspondence test of cross over has been done at all stations in Division.
- 1.21 Relay room audit has been conducted in Division to old relays have been replaced and loose retaining clips have been attended to minimize relay failures.

- 1.22 Epoxy paint coating on Glued joints have been done at 8 stations[ASH,LC,HA,LMP, GK, PD, BNKJ, MLN].
- 1.23 Old IPS battery set has been replaced by new battery set at 18 stations.



- 1.24 808 nos. track cell has been replaced at different stations.
- 1.25 88 nos. track relay due for overhauling have been replaced.
- 1.26 115 nos. EPM due for overhauling have been replaced.
- 1.27 12 nos. block instrument due for overhauling have been replaced.
- 1.28 In compliance of instruction given by PCSO/PCSTE/NER Sir, paralleling of CHC contact and operating contact of EPM with spare contact have been done at 40 stations [stations in JTB-BV,ASH-STP-MLM,STP-SDAM section and at BHA,BNZ & PJ stations].
- 1.29 In compliance of instruction given by PCSO/PCSTE/NER Sir,24 Volt battery bank have been provided at mid section interlocked LC gate 175A(MHH-KLD),185B2(CRV-MND),195C(ORW-BST).
- 1.30 110V Solar panel for IPS battery charging has been provided at LKNR,JLHI,SNC,MSW, PATI & KEA stations by CON unit