

Achievements of TRD/SBP department for April'2022 to March'2023

Special Achievements:

Main line Electrification:	
1.	CRS inspection for Doubling line of OHE of SFK yard including crossover & Titlagarh yard including additional loop line, Sick siding-1, Saloon siding, extension of loop lines & crossovers for 6.501 TKM & Titlagarh(Ex)- Kesinga (Ex) including crossovers, shunting neck & extension of ORL 13.06 TKM was carried out on date 16 & 17.07.2022.
2.	CRS inspection for doubling of MANE(Incl)-JUJA(Incl), MANE yard R-4, X-over (31, 33 & 34) & HATB yard R-1, R-2, R-3, R-4 and TM Siding, X-over (31, 33, 35,37,32,34 & 36) for 31.18 TKM was carried out on date 05.08.2022.
3.	CRS inspection for doubling of BRGA-BRPL section for 17.96 TKM and BRGA & BRPL yard for 10.151 TKM was carried out on date 29.09.2022.
4.	CRS inspection for doubling of DOBH-BRGA section including cut & connection for 10.14 TKM and DOBH & BRGA yard for 2.479 TKM was carried out on date 30.09.2022.
5.	CRS inspection for 3 rd line between Rupra Road (Excl.) to Lanjigarh Road (Excl.) including crossovers at Rupra Road loop line and (non integrated) crossovers at Norla Road for 13.75 TKM , RPRD yard for 2.31 TKM & Lanjigarh Road yard for 9.44 TKM was carried out on date 20.10.2022.
6.	CRS inspection of Bichhupali(Excl)- Jhartarbha (Incl) section including L-1, L-3 of Jhartarbha, X-O no. 23 & 21 (KUR End) and X-O no. 22 & 24 (BLGR End) for 10.65 RKM & 13.269 TKM was carried out on date 10.11.2022.
7.	CRS inspection for doubling of BUDM station (Incl)- SFK station (Incl) including Line no.5, both crossovers and TM siding to SFK station (Incl) including additional loop lines, cross overs, ORL lines and TM sidings for 14.86 TKM was carried out on date 11.11.2022.
Private siding Electrification:	
8.	Line no.-3 of SMEL siding at Rengalifor 1.158 TKM was commissioned on date 08.06.2022.
9.	Emergency Crossover UP line to DN line & Take off from DN line to inside Plant of BPSL Siding at Lapanga for 0.553 TKM and L-16 & L-11 at In plant yard of BPSL siding for 2.119 TKM was commissioned on date 06.09.2022.
10.	Engine Escape line, Track hopper L-1, 1 no. X-O of AAL siding at Lapanga for 2.144 TKM was commissioned on date 21.10.2022.
11.	L-8 at In plant yard of BPSL siding at Lapanga for 1.056 TKM was commissioned on date 12.12.2022.
12.	L-10 & L-11 at In plant yard of BPSL siding at Lapanga for 2.234 TKM was commissioned on date 12.01.2023.
PSI Commissioning:	
13.	BWIP/TSS back charged with 25KV on date 04.01.2023. Sansarthali/SSP on context of 3 rd line works commissioned on date 12.09.2022.

Miscellaneous:

14.	A total of 145.10TKM of Main line OHE & 9.264TKM of private siding OHE have been commissioned in SBP division during this period between April'2022 to March'2023. Total TKM of main line OHE commissioned till date is 1731.217 TKM & Total TKM of Pvt. Sidings OHE commissioned till date is 140.429TKM .
15.	100% implementation of capacitor bank in all TSSs and put in service round the clock which results in minimization of KVARH (Lag), resulting minimization of energy bill (KVAH).
16.	01 no. 8 wheeler tower wagon DETC-209 has been received and was commissioned on date 03.06.2022. This has helped in maintenance of OHE & attending breakdowns.
17.	Prompt payment incentive received for the timely payment of energy bills of Railway Traction Substation of Rs 3,12,63,884/- from distribution companies i.e. from TPWODL, TPSODL, TPCODL & CSPDCL during this period between April'2022 to March'2023.
18.	The over current setting at GSS for BMCK/TSS, &KSNG/TSS were enhanced from 250 Amp to 350 Amp and from 250Amp to 300 Amp respectively for stringing of conductor for BWIP/TSS by liasoning with OPTCL authorities. This results in elimination of unwanted tripping at GSS due to shut down of LJR/TSS.

Other Highlights:

1.	Schedule Annual Maintenance of OHE done- 697.152 TKM , Cantilever Brackets Maintenance done- 15,460 nos., Annual Maintenance of ATD done at 1,242 nos. locations done in between April'2022 to March'2023.
2.	5,963 nos. of bond re-fixing done, 26,091 nos. of bond tightening done and joint bond checking done at all yards in SBP division.
3.	1,913 nos. of muffing cleaning & maintenance done in SBP division
4.	503 nos. of Un-insulated overlap maintenance done & 97 nos. of insulated overlap maintenance done in SBP division
5.	Earth resistance of 464 nos. earth pit was checked in SBP division
6.	353 nos. Auxiliary Transformer D.O. fuse rectification work done. 451 nos. of AT maintenance done in SBP division
7.	297 nos. isolator maintenance done in SBP division
8.	Special Tree trimming drive was taken up in which tree branches along the track nearby 4 metres from live OHE were trimmed, an approx of 24,472 tree branches were trimmed in this period, resulting in reduced transient tripping of CB at TSS.
9.	Special Foot patrolling drive was under taken to find out faults & irregularities. 20,443.895TKM of foot patrolling done by patrolmen in SBP division. 665 nos. of bird nest removed in SBP division
10.	1652 nos. brackets joint SED checking done in SBP division. 96.223 TKM of joint tower wagon checking done in SBP division.
11.	OHE slewing & re-slewing done for LHS work at 48 nos. locations. OHE slewing & re-slewing done for Bridge Rebuilding work at 32 nos. location done in SBP division.

12.	49 nos. of Gantry maintenance done in SBP division
13.	174 nos. of Power transformer maintenance done, 335 nos. of circuit breaker maintenance done, 590 nos. of interruptors maintenance done, 294 nos. of Current transformer maintenance done, 143 nos. Lightning Arrestor maintenance done and 170 nos. of Potential transformer maintenance done in SBP division.
14.	1,214 nos. of RRA sharp angle location modified with double contact wire.
15.	Insulated catenary replaced with double contact wire at 43 nos. location under FOB, ROB & Girder bridge in SBP division.
16.	110 nos. LA disconnecter modification done at TSSs, SPs & SSPs.
17.	108 nos. emergency crossovers maintenance, 48 nos. neutral section maintenance done in SBP division. 40 no. bridge OHE system done in SBP division
18.	Live line panto checking with tower wagon, current collection test by Oliver 'G' at main line & Checking of PG clamps, Splice & connectors through thermo vision camera done at SBP division.
19.	i) OHE modification & Isolator shifting work done at R1 of AIPL siding on date 24.01.2023, so that Wagons portion of OHE will be dead for loading & unloading but Loco engine attached with wagon will be in charged condition which has resulted in safe and faster loading/unloading of materials. ii) SPI & DPI shifted & 02 nos. section insulator erection done at R-5 of KMK yard on 15.01.2023 for goods siding extension work, so that clear standing length of wagon increased for which full length wagons could be placed on L-5/Goods siding of KMK yard. This has resulted in increased faster loading & unloading. Ensured safety during work of loading and unloading by workers.
20.	Contract Demand of different TSSs was enhanced to eliminate the probability of MD overshoot and imposition of penalty. In this period the following CD enhancement of following TSSs was done: <ul style="list-style-type: none"> • CD of KBJ/TSS was enhanced from 10,000 KVA to 12,000 KVA on date 02.04.2022. • CD of KSNG/TSS was enhanced from 14,000 KVA to 17,000 KVA on date 25.05.2022. • CD of BMCK/TSS was enhanced from 16,000 to 18,000 KVA on date 06.04.2022 & 18,000 to 22,000 KVA on date 24.06.2022. • CD of LJR/TSS was enhanced from 12,000 to 14,000 KVA on date 02.04.2022 & 14,000 to 19,000 KVA on date 25.05.2022. • CD of RAIR/TSS was enhanced from 11,000 KVA to 13,000 KVA on date 27.02.2023.
21.	Outsourcing of PSI maintenance activities and manning/operation of TSSs, SPs and SSPs done for two year.
22.	Outsourcing of OHE maintenance activities done in KRAR Depot BGBR(Incl)-KSK(Ex), RAIR depot JUJA (Ex)-SRGP (Ex) and BWIP depot LJR(Ex)-JNRD(Incl) and manning of 13 nos. of OHE depot.
23.	Maintenance contract done for B,C,D checks for 15 nos. Cummins engine of Tower wagon of BONA, SBPY, BLGR, MNGD, MSMD, BRGA, TIG, KBJ, RPRD OHE depots and AMC for 4 wheeler tower wagon of BRGA depot in sambalpur division for 2 years.

24.	Provision of retro-reflective number plates in the section KPJG(Ex)-SBP completed.
25.	Tender done for OHE maintenance activities in the Jurisdiction of JEE/TRD/RGL & SSE/TRD/BRGA and other OHE related works over SBP division for 1 year.
26.	OHE maintenance activities in sidings of BPSL at Lapanga, ACC at Bargarh Road and Vedanta at Brundamal of SBP division for a period of 1 year.
27.	Provision of truck at RGL, BLGR, TIG and MNGD done.