

Electrical (TRD)
“HIGHLIGHTS FOR THE MONTH April to September, 2022”

1. HIGHLIGHTS:

SN	Name of Item	Target	Cumulative Progress
<u>1</u>	<u>OHE works related to 160 KMPH (progress till 25.09.2022)</u>		
a	LOP approved	1655 TKM	1329
b	Foundation (OHE+Feeder)	38674 Nos	12156
c	Mast erection/Grouting (OHE+Feeder)	31232 Nos	4163
d	OHE reprofiling	1655 TKM	117.49
e	Feeder wire	1655 TKM	89.03
f	AEC	1655 TKM	73.80
g	BEC	1655 TKM	19
<u>2</u>	<u>Replacement of over aged battery set</u>		
a	40 AH	On conditions basis	3
b	200 AH		5
c	300 AH		0
d	150AH		0
e	180AH		0
<u>3</u>	Packing saddle to be provided in single cantilever	1000 nos.	237
<u>4</u>	Replacement of rusty anti creep wire	28 locations	0
<u>5</u>	<u>Catenary wire splicing</u>		
a	01 strand	On conditions basis	6
b	02 Strand		22
c	03 strand		55
d	04 Strand		32
e	05 Strand		15
	Total locations		130
<u>6</u>	Tree cutting	278	245
<u>7</u>	Tree cutting CAR-CPU	7401	864
<u>8</u>	Tree cutting SKB-FBD	2751	13
<u>9</u>	Tree cutting ETW-MNQ	409	49
<u>10</u>	Tree cutting BRN-ETAH	264	5
<u>11</u>	Tree trimming	1014	1014
<u>12</u>	Replacement of 16 years old catenary ending clamps	300	44
<u>13</u>	Replacement of 16 years old contact ending clamps	300	32
<u>14</u>	Replacement of Catenary wire with Contact wire under FOB/ROB/RFO	26	8
<u>15</u>	Relocation of critical implantation location	62	12

- a) CRS inspection of electrification of NYN- PCOI 3rd line done on 31.03.2022 and CRS authorization(CRS NE Circle's) was received on 01.04.2022.
- b) CRS inspection of electrification of BPU-PNKD 4th line done on 20.04.2022
- c) Old earth electrode replaced of DN AT at loc. 697/18T.
- d) NIFPS of ATR 105 & 106 commissioned at NYN/GSS.
- e) 3 nos. 25 kVA AT charged at crossing station, cabin-A & cabin-B in MUNPL line MJA.
- f) 02 nos.'H' pole erected at km 842/15-17 at MRE station due to infringement with DFCCIL track.
- g) 11 kV over head crossing of UPPCL was dismantled at loc. 882/33-883/1.
- h) 33 kV over head crossing of UPPCL were dissented at loc. 1297/13-15 1304/15HRF-16HRF, 163/2-3, 1226/17-19, 733/19-21, 803/15-17, DL/23-25,906/17-19, 940/11-13 & 943/25-27 =10 nos.
- i) Separate earthing provided for ROB & FOB= 51 nos.
- j) 200 meter top wiring done in IOC siding Subedarganj for extension of electrified track.
- k) New ATD has been provided at location IOC/26A in IOC siding= 01 no.
- l) New section insulator has been provided at location IOC/25A= 01 no.
- m) Public & Staff caution board have been provided at stations and gate = 30 Nos.
- n) Numerical relay installed in place of static relay at DER/GSS= 07 Nos.
- o) EIG sanction received of ShahnagarTimarua/SSP &Kuswa/SSP in BRN-ETAH section on 23.05.2022.
- p) Safety counseling has been done till date by TRD of 586 nos S&T staff, 1630 nos Engg staff & 936 nos Operating staff during safety drive.
- q) 25 kV Feeder wire dismantled between km 920/1F to 15F between RUB-SNIE section due to less clearance found from DFCCIL = 07 span.
- r) 25 kV caution board provided on ROB & FOB= 05 nos.
- s) Sigma board provided in PCOI-MKP section= 05 nos.
- t) Contact wire replaced in connection with 160 kmph project between FZD-MNR(1557 mtr), BRN-MTI(1495+715 mtr) & SNS-MXK(1245 mtr),1239/9A-1240/9 at Hirangao(1050 mtr), ULD-SHW(1183 mtr), SHW-BNT(1579 mtr) & PTX-ULD(1584 mtr) = 10.03 TKM.
- aa) Replacement of anticreep wire due to broken by CRO between loc. 724/12-16 on 23.07.2022 = 141 mtr.
- bb) Live line checking done = 3508 TKM.
- cc) Pre commissioning relay testing work has been done with DFCCIL at Pitarpur/TSS, Wair/TSS and Bharwari/TSS of DFCCIL.
- dd) New 132kV 3-phase double circuit transmission line has been charged between Naini(NYN)-Bheerpur (BEP) ON 06.08.2022 through CB-311 & CB-312 of NYN/GSS and Gadhiyaon/TSS of DFCCIL was taken on load from NYN/GSS.
- ee) LA disconnector provided at Bhaupur(BPU)/SSP=08 Nos.& RUB/TSS= 04 Nos.

ff) PT type-I D0 fuse modified at MFX/SSP, SRJ/TSS, MJHR/SSP, BRG/SP & DBR/TSS, RRH/TSS, MTO/SP & JJK/SP = 20 Nos.

gg) Replacement of BIC make ending clamp.

Type of ending clamp	Replaced Cumulative
catenary ending clamp	40
contact ending clamp	33

2. REPLACEMENT OF OVERAGE OHE/PSI ASSETS:

Sr No	Particulars	Total Qty.	Target for 2022-23	Cumulative replaced
1	Overage ST, BT & 9 tonne insulator	26401	5000	4979 (Departmentally: 104) Contractually: 4875)
2	Old corroded cantilever tubes with new cantilever	743	743	348 (Departmentally: 9) Contractually: 339)
3	Flashed & broken insulator replacement	Condition basis	Condition basis	459
4	Overage LA 42 kV			5
5	Overage LA 132 kV	Condition basis	Condition basis	1
6	Overage 132 kV CT			0
7	Overage 25 kV BM			0
8	Overage 132 kV CB			0
9	Overage 25 kV PT-1			1
10	Overage 25 kV CB			0
11	Overage 10 KVA AT			8
12	Overage 25 KVA AT			2
13	Defective 25 kV CB			0
14	Defective 25 kV BM			0
15	Defective 100 KVA AT			0
16	Defective 25 KVA AT			0
17	Defective 10 KVA AT			2
18	Defective 25 kV LA			1
19	Defective 42 kV LA			2
20	Defective 120 kV LA			0
21	Defective 132 kV LA			1
22	Defective 220 kV LA			0
23	Defective 132 kV CT			0
24	Defective 220 kV CT			1
25	Defective 25 kV CT			1

26	Defective 132 kV PT			2
27	Defective of 10 KVA AT			3
28	Provided of 10 KVAAT			4
29	Provided of 25 KVAAT			2
28	Defective 220 kV CT			1
29	Defective 132 kV PT-2			1
30	Defective 25 kV PT-1			3

3. NI work

1. Aghorykhas (AGY) NI work is under progress.
2. NI work of Cabin 'A' & Cabin 'B' has been completed at GMC on 16.04.22.
3. Aghorykhas(AGY) NI work is under progress.
4. NI work is under progress at Aghorykhas(AGY).
5. NI work is under progress at dabhaura(DBR).
6. NI work at Aghorykhas(AGY) has been completed on 10.06.2022.
7. NI work at dabhaura(DBR) has been completed on 20.06.2022.
8. NI work at Karbigwan(KBN) has been completed on 30.06.2022
9. Pre NI work at Churk(CUK) is in progress.
10. Pre NI work at Kulwa(KLA) is in progress.
11. NI work at Churk(CUK) has been completed.
12. NI work at KanspurGugauli(KSQ) has been completed.
13. Pre NI work at Kulwa(KLA) is in progress.

4. DFCCIL related work -

1. DFCCIL linking work at Iradatganj(IDGJ) is under progress in PCOI-MKP section.
2. DFCCIL linking work at Chheoki(PCOI) has been completed on 16.08.2022