Achievements pertaining to Engineering Department

Achievement from April, 2023 to November, 2023

- **Earnings :-**

  - **Earning** through Unconventional Sources has been achieved Rs. 14.616534Cr.

- **Track works :-**

1. Renewal of Switches & Crossings :-

- **Through Turnout Renewal (TTR)** has been done for 40.27 sets.
- **Thick Web Switch (TWS) laying** has been done for 25 sets.
- **Curved switch renewal** has been done for 14 sets switches.
- **CMS crossing renewal** has been done for 66 sets crossings.

2. Through Rail Renewal (Primary):- TRR (P) for **52.331 TKM** has been done.

3. Through sleeper Renewal (Primary): TSR (P) has been done for 42.133 km.

4. Through Rail Renewal (Secondary):- TRR (S) for **11.798 TKM** has been done.

6. Through sleeper Renewal (Secondary): TSR (S) has been done for 0.185 km.

7. Deep Screening of Plan Track:- Deep screening of plain track has been done for **33.770** km.

8. **Deep Screening of Turnout**: - Deep Screening of Turnouts has been done for 52 **nos**.

9. Shoulder Ballast Cleaning: - Shoulder Ballast Cleaning has been done for 36.970 km.

10. **Tamping of Plain Track** has been done for **678.79** km.

11. **Tamping of Turnout** has been done for 312.42 nos.

12. **USFD testing for Rail & Welds** has been done for **1988.04 Tkm.**

13. **Scrap offer**: Scrap has been offered for **2670.206 MT**.

14. **Ballasting** has been done for **18.15 Thousand cum**.

16. **Joggling** of AT Weld has been done for 2831 nos.

17. Greasing of ERCs has been done for 284.61 Tkm.

18. Toe load measurement has been done for 57.69 Tkm.

19.Painting of Rails has been done for 54.61Tkm.

20. 106 nos. Glued Joints have been renewed.

21. Cleaning of side drains has been done for 972 nos.

22. Cleaning of Catch water drains has been done for 338 nos.

23. Over hauling of Level Crossing has been done for 10 nos.

25. Visual inspection of Joggle fish plate has been done for 18495 joints.

26.**Visual inspection of fish plated joints** and oiling and greasing 1530 nos.

26. **Reconditioning of Tongue Rail** has been done for 90 nos.

27. **H-beam channel sleeper** has been done for 424 nos.

28. **Gauge Face Lubricator** has been done for 01 no. during the month with the cumulative on 01 no. (Installed at km 365/19-21 bet. SLF-KITA on 03.07.2023).

Safety Seminar

Place /Office /Location Where Seminar conducted	No of seminar conducted	No. of officers & officials attended			Topics of Seminar
		Officer	SSE/JE(P.WAY	TM	
BANO(06.04.2023)	01	00	03	37	Summer precaution, hot weather patrolling and safety at worksites.
MURI-II (19.04.2023)	01	00	02	21	Summer precaution, hot weather patrolling and safety at worksites.
TIS(03.05.2023)	01	00	03	37	Summer precaution, hot weather patrolling and safety at worksites.
GBX(16.05.2023)	01	01	02	44	Summer precaution, hot weather patrolling and safety at worksites.
MURI(31.05.23)	01	01	02	43	Monsoon Precautions and Safety at worksites.
RNC(14.06.23)	01	00	02	43	Monsoon Precautions and Safety at worksites.
TIS(17.06.2023	01	00	03	75	Monsoon Precautions and Safety at worksites.
MURI-I (18.06.23)	01	00	03	43	Monsoon Precautions and Safety at worksites.
MURI-II (19.06.23)	01	01	02	27	Monsoon Precautions and Safety at worksites.
GRE (29.06.23)	01	00	03	49	Monsoon Precautions and Safety at worksites
LOM (10.07.2023)	01	01	01	14	Monsoon Precautions Safety at worksites.
KRRA (10.07.2023)	01	01	01	36	Monsoon Precautions and Safety at worksites.
BANO (11.07.2023)	01	01	02	29	Monsoon Precautions & Monsoon patrolling and Safety at worksites.
Muri-II (25.07.2023	01	00	01	21	Monsoon Precautions & Monsoon patrolling and Safety at worksites.
GBX (17.08.2023)	01	01	02	46	Monsoon Precautions, Monsoon patrolling Safety at worksites.
TIS (24.08.2023)	01	00	05	55	Monsoon Precautions, Monsoon patrolling Safety at worksites.

RNC (16.09.2023)	01	00	02	36	Monsoon Precautions, Monsoon patrolling Safety at worksites.
MURI-II (27.09.2023)	01	00	02	22	Monsoon Precautions, Monsoon patrolling Safety at worksites.
LAD (03.10.2023)	01	00	04	65	Winter Precautions, Cold weather patrolling, GPS tracker Safety at worksites.
MURI-I (06.10.2023)	01	01	01	18	Winter Precautions, Cold weather patrolling, Safety at worksites.
BANO (10.10.2023)	01	01	01	18	Winter Precautions, Cold weather patrolling, Safety at worksites.
TIS (13.10.2023)	01	01	05	41	Winter Precautions, Cold weather patrolling, Safety at worksites.
GBX (18.10.2023)	01	01	05	41	Winter Precautions, Cold weather patrolling, Safety at worksites.
RNC (19.10.2023)	01	00	03	68	Winter Precautions, Cold weather patrolling, Safety at worksites.
MURI-II (26.10.2023)	01	00	02	20	Winter Precautions, Cold weather patrolling, Safety at worksites.
PIS (09.11.2023)	01	02	04	76	Winter Precautions, Cold weather patrolling, GPS tracker Safety at worksites.
GBX (24.11.2023)	01	00	01	27	Winter Precautions, Cold weather patrolling, Safety at worksites.

Safety Seminar at BANO on 06.04.2023





Safety Seminar at Muri-II on 19.04.2023





Safety Seminar at TIS on 05.05.2023





Safety Seminar at GBX on 16.05.2023





Safety Seminar at MURI on 31.05.2023





Safety Seminar at RNC on 14.06.2023





Safety Seminar at TIS on 17.06.2023





Safety Seminar at Muri-I on 18.06.2023





Safety Seminar at Muri-II on 19.06.2023





Safety Seminar at GRE on 19.06.2023





Safety Seminar at LOM on 10.07.2023





Safety Seminar at KRRA on 10.07.2023





Safety Seminar at BANO on 10.07.2023





Safety Seminar at Muri-II on 25.07.2023





Safety Seminar at RNC on 16.09.2023





RI





Safety Seminar at LAD on 03.10.2023





Safety Seminar at MURI-Ion 06.10.2023





Safety Seminar at BANO on 10.10.2023









Safety Seminar at GBX on 18.10.2023





Safety Seminar at RNC on 19.10.2023





Safety Seminar at MURI-II on 19.10.2023





Safety Seminar at PIS on 09.11.2023





Safety Seminar at GBX on 24.11.2023





- **Safety Seminar:** In connection with zero arear for USFD testing of Rails and Welds with USFD operators and DEN/Sr.DEN on dated 09.11.2023.





- **Staff Amenities:-**
  - Repairing work of 05 quarters at Muri Settlement completed.
  - Painting work at 02 quarters at Muri Settlement completed.
- **Others Works:-**
  - Construction of S&T Store work at SSE/Sig./Hatia completed.





- Construction of GSD store work at Hatia completed.





May'2023

- **Staff Amenities:-**

- 04 Nos. Quarter painting work completed at MURI settlement.

- **Others Works:-**

- EOG (End on generation) facility room work for electrical department completed at Hatia.



- Store cum care taker room of Hockey Stadium work completed at Hatia.





Box Pushing work at Bridge no. 516 between BLNG-HRBR completed.

- RCC Side drain for 100 metres completed between BRKP-MAEL.



- Jacketing work at Bridge no. 115 UP between JAA-KSX completed.



- Pipe pushing work at Bridge no. 138 between THO-JAA completed.



- Launching of RCC boxes at Bridge no. 350 between GBBR-CNI done on 12.05.2023.

- Auto chlorinator and Iron removal Plant provided at 14 stations viz:-BLRG, LOM, KRRA, GBX, BKPR, PKF, PKC, KRKR, MCZ, BANO, KNRN, TAX, PBB and ORGA. Now, water quality at these stations improved and meets the acceptable limit specifications as per IS10500 (2012).

- Long problem of water shortage at PBB station is now removed; there is no water available in nearby rocky strata. Earlier 6 nos. boring were done at different locations (5 by construction and 1 by open line) at a depth ranging from 600ft to 1100ft but no fruitful result obtained. But during survey found that approx. 700m from station building water is available at a depth of around 200m, which on boring was found successful.

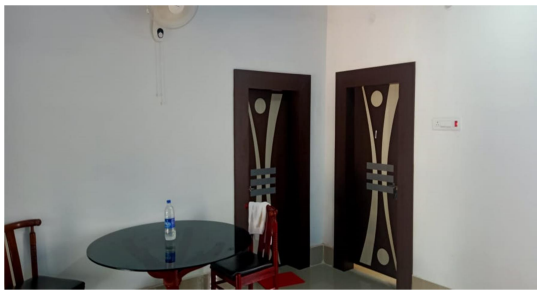
June'2023

- Outside Rustic and weather coat of officer colony at Hatia.





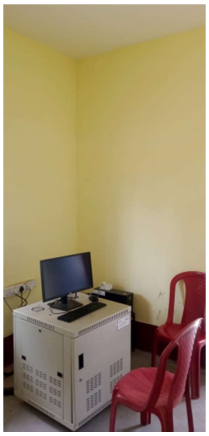
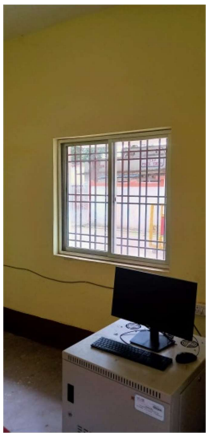
- Renovation of Room no.4 of officers rest house at Muri completed.

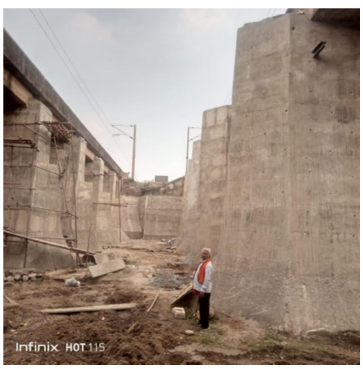
- Construction of New CCTV room completed at Muri.




- UVSS(Under Vehicle surveillance system) room at Muri completed.

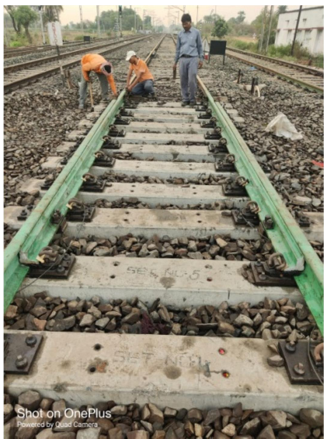
- 80m RCC side drain between BRKP-MAEL has been constructed.
- Hume pipe pushing work at Bridge no. 147 in Muri-KSX has been completed.
- Conversion of stone set bridge to RCC hume pipe at bridge no. 147 & 148 in MURI-KSX completed.
- Jacketing work at bridge no. 115 UP & DN in MURI-KSX section completed.



- Conversion of stone set bridge to RCC box at bridge no. 347 & 350 in CNI-GDBR section completed.
- Strengthing of Pier work at bridge no.447 in ILO-MURI section completed.
- Strengthing of Pier work at bridge no.17 in GDBR-JHMR section completed.
- Conversion of stone set bridge to RCC box at bridge no. 474 & 475 in MURI-BLNG section completed.
- Conversion of stone set bridge to RCC box at bridge no. 516 in BLNG-HRBR section completed.
- **Material under trial (Thick Web SEJ)**
  02 nos. Thick Web SEJ (TWSEJ) have been installed on UP Main Line km 365/27-29 & 366/7-9 at JAA Yard on 07.06.2023. Rolling mark is SAIL/VI/2022 & VII/2022.







Video conference of CTE/SER/GRC with divisional officers, field officers and SSEs/P. Way/In-charge & SSEs/JEs/P. Way /Sectional was done on 29.06.2023. Issues regarding Monsoon Precautions, Monsoon Preparedness, Safety at work sites, Personal Safety Gears, Working conditions and difficulties being faced in good work, assistance required were discussed.
CTE/SER interacted with Sectional SSE/JE/P. Way. CTE Sir praised the efforts being adopted for safe and good working.

Description of Mega block:-

S. No	Date	Major section	Duration of block	Deployment of field officials of Engg Deptts.			Departments involved in activities.	Required block hours if done separately
				Officers	SSE/JE/P. Way	Work men		
1	10.06.23	MURI-CNI SL	06:00	2	13	348	Engg.	73 hrs.

Date of mega block	Description of item	Quantity	Location	Block section/Yard
10.06.23	Launching of RCC Box	7 nos. (Bridge no.347)	289/5-6	GDBR-CNI
	Track machine tamping work	2.231 Tkm	339/02-341/11	TRAN YD
	On track welding work	10 nos.	298/01-299/01	GDBR-JHMR
	Rail DMT unloading	20 Pannel	312/2-307/0	LTMD-JHMR
	Visual inspection of fish plated joint	18 Joints	Bridge no.36 & Bridge no.399	ILO-MURI
	TRR(P)	720 mtr.	313/4-313/15	LTMD-JHMR
	USFD Testing RT/GFC	3.5Tkm, T/out-04 set	294.0-299.1	GDBR-JHMR
	AT Weld	10 nos.	313/4-313/15	LTMD-JHMR & GDBR-JHMR
	Elastomeric rubber pad hole & Visual inspection of FP joints at Br. No.447	51 nos.	347/19-21	ILO-MURI

20 Panel rail unloading in between JHMR-LTMD





Launching of RCC Box in bet GDBR-CNI on Br-347 Km-289/05-06





On track Welding work in between LTMD-JHMR



Elastomeric rubber pad hole & Visual inspection in between MURI-ILO Km-347/19-21 on Br.No-447





TRR Block in bet LTMD-JHMR Km-313/04-313/15





Visual inspection on Bridge No-36 &399 in bet TUL-LTMD





July'2023

Passenger Amenities:-

- New FOB has been constructed at LAD





- **FOB has been constructed at BLNG**



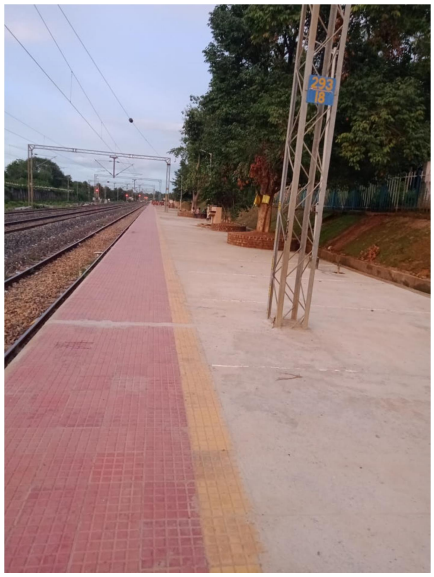
➢ **Others Works:-**

- Outside rustic and weather coat of officer colony at Hatia completed.



- LC MB-18 (HRBR-GRE) section interlocking of level crossing is completed.

- Construction of (BLNG-HRBR) for IB signal room is completed.
- PF no.1 length 350m PF extention and raising work at GDBR completed.



- Hindi library room renovation work at Muri completed.



- Cess repair work between km 476/6-475/29 and 476/1-9 in GBX-BKPR section completed.



- Upa-Bhavan office inogration at DRM office Hatia completed.



- DPO staff training centre inogration at DRM office Hatia completed.



- Beautification of Station Yard LAD completed.





<u>September '2023</u>

➢ **<u>Others Works:-</u>**

- PF no.1 extention and raising work at GDBR completed.
- PF no.2 length 105 m PF extention work at SSIA completed.
- PF no. 1 & 2 length 100 m extention work at BKDR completed.
- PF no. 1 length 150 m extention work at BRKP completed.
- LC no. CM-55 length 400 m earth cutting for visibility improvement .
- FOB fabrication of girder & trestle of work at BKDR completed.
- FOB foundation work at BRKP completed.

- ORH room no.3 renovation work at Muri completed.

➢ **Swachhta Pakhwara: Celebrated from 16.09.2023 to 02.10.2023.**

Bano filter house compound




Muri filter house compound





stat




RNC





RNC





Track Cell





October'23

- **Staff amenities:-**

- Outside boundary wall Snowcem of Typy-III colony at Hatia completed.
- Painting work of Quarter 05 nos. at Muri completed.

- **Others Works:-**

- Water tank staging work at Ranchi completed.
- Circulating area length 50m drain at JAA station completed.
- Ballast wall length 50m bridge no.115 (JAA-KSX) at completed.
- RPF barrck false ceiling work 02 nos. room at Muri completed.
- PF no.1 &2 length 60m platform wall at BKDR completed.
- PF no.1 length 55m raising work at BRKP completed.

Nov'2023

- **Staff amenities:-**

- Inside quarter distampering Type-II =36,Type-I=21and Type-III=01 unit at Hatia settlement.

- **Others Works:-**
  - FM painting done at JAA & THO yard.
  - Sand hump deweeding & painting done at JAA.
  - Deed end deweeding and painting done at THO.
  - Guard rail painting of bridge no.156 under FOB done at THO.
  - X-ing check rail painting done at JAA & THO yard.
  - LC no. MK-22- Height gauge painting, tie bar fencing painting, Road paver resetting.
  - Bridge no. 115- Bridge name board painting.
  - LC no. MK-18- Height gauge painting, tie bar fencing painting, Gate lodge touchup painting, Road approach pole-hole repairing.
  - Subway no. 125A- Height gauge painting, Approach jungle cleaning.
  - JAA station – PF coping painting, chairs and trees base painting, station building inside and outside painting, approach jungle cleaning, PF top leveling dressing, earth and construction debries removal, Baricading work site under construction, all toiltes attended.
  - Tulin station – PF coping painting, chairs painting, earth and construction debries removal, barricading work sites under construction.
  - Muri station – PF coping painting, earth and construction debries removal, barricading work sites under construction.