

## East Central Railway

No.TS.260/SAP/HQ /24-25

Dhanbad, dtd.15.07.2024

**Principal Chief Safety Officer**  
**East Central Railway**  
**Hajipur.**

Sub: **Framing of Divisional & Zonal Safety Action Plan (SAP).**

Ref: **Your letter No. ECR/Safety/SAP/24-25, dated 26.06.2024**

In the above subject details for framing of divisional & zonal safety action plan of Dhanbad Division is given below department wise:

<b>Engineering :</b>				
<b>1.</b>	<b>LC Elimination:</b>			
Sl No	Total no. of LC in Division	Elimination in Short item (1-3 Months)	Medium Term (4-12 Months/Years)	Long item by LHS & ROB (1-2 Years)
1.	109	04	11	12

<b>2.</b>	<b>Fencing Required to Prevent CRO &amp; Speed Raising :</b>			
Sl No	Total Scope	Short Item (1-3 Months)	Medium Term (4-12 Months)	Long Term (1-2 Years)
1.	Main Line: 74.5 KM (In GC for 160 KMPH)	17.5	57	Nil
2.	Main Line other than GC 242.24 KM	Nil	62	180.24
2.	Total No. of Yards:	Nil	Nil	Nil

<b>3.</b>	<b>TRR(P) &amp; CTR (P):</b>				
Sl No	Item	Total Scope	Short Item (1-3 Months)	Medium Term (4-12 Months)	Long Term (1-2 Years)
1.	TRR/P	119.461	28	52	39.461
2.	CTR/P	232.012	25	60	147.012
3.	TRR/S	196.323	6.264	20	169.759
4.	CTR (P+S)	196.732	3.186	20	173.546

<b>4.</b>	<b>Conversion of 52 Kg. Section Turnout to 60 kg. Turnout:</b>				
Sl No	Total Scope		Short Item (1-3 Months)	Medium Term (4-12 Months)	Long Term (1-2 Years)
	52 Kg Main Line	133	30	103	
	52 Kg Loop Line	973	10	73	139

<b>5.</b>	<b>Examination &amp; Greasing of Fish Plate:</b>
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Sl No	Line	Total Scope	Short Item (1-3 Months)	Medium Term (4-12 Months)	Long Term (1-2 Years)
1.	Main Line	9897		9837	
2.	Loop Line	38819		38819	
<b>6.</b>	<b>Examination &amp; Greasing of Joggle Fish Plate at Vulnerable Location:</b>				
Sl No	Total Scope	Short Item (1-3 Months)	Medium Term (4-12 Months)	Long Term (1-2 Years)	
1.	3926	881	3045		

<b>7.</b>	<b>Joggling of DFWO Weld:</b>				
Sl No	Total Scope	Short Item (1-3 Months)	Medium Term (4-12 Months)	Long Term (1-2 Years)	
1.	Nil	Nil	Nil	Nil	

<b>8.</b>	<b>Joggling of Fatigue Weld:</b>				
Sl No	Total Scope	Short Item (1-3 Months)	Medium Term (4-12 Months)	Long Term (1-2 Years)	
1.	Nil	Nil	Nil	Nil	

<b>9.</b>	<b>Back Log USFD Testing:</b>				
Sl No	Total Scope	Short Item (1-3 Months)	Medium Term (4-12 Months)	Long Term (1-2 Years)	
1.	4.196	4.196			

<b>10.</b>	<b>ERC Greasing</b>				
Sl No	Total Scope	Short Item (1-3 Months)	Medium Term (4-12 Months)	Long Term (1-2 Years)	
1.	1013 Km	253.25	759.75		

<b>11.</b>	<b>Material Required from HQ:</b>				
SN	Item	Unit	Quantity Required	Remarks	
1.	Rail	TKM	80.00	--	
2.	Sleeper	Nos.	330673.00	--	
3.	ERC	Nos.	1169122.00	--	
4.	Liner	Nos.	1192768.00	--	
5.	Rubber Pad	Nos.	555490.00	--	

<b>Operating</b>						
<b>Short term (0-1 year)</b>						
S.N.	Category	Scale	SS	MOR	Vacancy	Remarks
1.	Chief Controller	4600	77	56		Fresh 22 vacancy approved on 16.08.2022 Result published on 25.01.23 and 03 candidate (UR-03) declared suitable. All posted.

2.	Sectional Controller	4200	10	17	14	01 staff promoted from SCNL in the month of June-23. Fresh vac (PRQ) assessed on 22.08.23 and 11 vac vetted on 18.09.23. Put up for approval of vacancies. Pre-promotional training completed and file is being put up for nomination of committee.
3.	Maintenance Train Supervisors (MTS)	4600	4	3	1	---
4.	M/Exp./TM	4200	93	83	10	Last Panel 24.07 2021 Result published on 24.07 2023 for 28 candidates 13 posted.
5.	Sr.Pass./TM	4200	80	62	18	Last Panel 15.05.2024 139 Candidates declared suitable..
6.	Sr.Goods/TM	4200	1174	630	544	Last Panel 21.07.2022.74 vacancy approved on 15.03.2022 and 73 declared suitable on 21.07.2022. Fresh vacancies assessed and 51 vac approved on 17.11.23 S/Test is under process.
7.	Goods/TM	2800	1173	395	778	RB Indent 92, 27 RRB candidates joined. PRQ- Against 279 vacancy. Written Test held on 17.01.21 & 42 staff empaneled for Goods Guard on 19 02.21. All Posted. 25 post of Goods Train Manager surrendered vide O/O No.1524/07/MoU/surrender/2023, dated.19.07.2023. LDCE Final result published on 23.01.2024. 100 posts of Goods Train Manager were surrendered vide O/O No. 683/03/MoU/Surrender/2024 4td.27.03.2004 and 713/03/MoU/Surrender/2024 4td. 28.03.2024.
8.	SS/TI/CYM (unified category)	4600	452	367	-18	08 working in deputation, not in MOR. 15 posts of SS for Shivpur-Tori New line & 05 Post of SS for Koderma-Giridih Section created vide Creation Memo No. DSC/MPP/Surrender Creation/OPTO/2018 dt. 11.01.19. 10 post created vide DSC/MPP/Surrender Creation/OPT G/19 dt.06.01.2020. Last Panel- 23.09.2021. Fresh 52 vacancy assessed and approved on 31.03.2022. APAR awaited and also dispute seniority under decision.

9.	SS/TI/CYM (unified category)	4200	699	802		RRB Indent 90. <b>46 RRB candidates joined in the month of Sep 23.</b> 16 staff empaneled on 01.09.21 against 91 vacancy of LDCE quota and 16 staff completed training and promoted. PRQ- Notification for calling option against 154 post of PRQ on 17.09.21. Against 154 accessed vacancies, 98 candidates empaneled on 11.11.2022. 30 trained and promoted. 68 candidates are undergoing training.
10.	CABIN MASTER	2400	61	47	14	05 Posts of Cabin Master surrendered vide memo no. DSC/MPP/Surrender/Manpower Planning /2022-23 dt. 24.02.2023
11.	Shunting Master-I	4200	21	8	13	20 Posts of Shunting Master surrendered vide memo no. DSC/MPP/Surrender/Manpower Planning /2022-23 dt. 30.06.2022
12.	Shunting Master-II	2400	39	0	39	10 Posts of Shunting Master surrendered vide O.O no.1524/07/MoU/Surrender/2023 dt. 19.07.2023
13.	Pointsman-A	1900	868	802	66	Cadre of Leverman-I and Shuntman-I merged as Pointsman- A(L-2), vide Memorandum No. 1491/04/2019 dt. 26.04.2019. Vacancy of PM-A is being re-assessed as new posts have been created 34 staff promoted as SM.
14.	Pointsman-B	1800	1135	876	259	Gateman category merged with Pointsman-B vide this Office Letter No. ET-2/Merger/PM-B, Gateman (Comp no-236354) dtd. 14.02.2024. 24 PM-B promoted as Goods Train Manager through LDCE quota 05 employees came from Chennai Div. on 06.06.2024.

Offline Refresher course training of Station Master, Guard &group ‘D’				
Medium Terms Plan (0-1 Year)				
S.N.	Designation	Financial year	Nos. of Staff	Remarks
1	SS/SM/CM	2024-25	180	Instructions have been given to all depot In-charge for clearance of overdue refresher courses as per ATP of ZRTI Bhuli & MFP and Safety Camp/DHN.
2	Guard/TM		272	
3	Shunting Master/Jamadar		02	
4	Pointsman-A & B		360	
Offline Refresher course training of Station Master, Guard &group ‘D’				
Medium Terms Plan (1-3 Year)				
1	SSSM/CM	2025-26	508	Instructions have been given to all sectional TIs & depot In-charge for clearance of overdue refresher courses as per ATP of ZRTI Bhuli & MFP and Safety Camp/DHN.
2	Guard/TM		354	
3	Shunting Master/Jamadar		03	
4	Pointsman-A & B		608	
1	Station Master	2026-27	314	Instructions have been given to all depot In-charge for clearanceof overdue refresher courses as per ATP of ZRTI Bhuli & MFP and Safety Camp/DHN.
2	Guard/TM		322	
3	Shunting Master/Jamadar		02	
4	Pointsman-A & B		405	
Seminar, Webinar & Monitoring of activities related with safety				
1	Seminar	01 per month by officer.		
		01 per month by each Supervisors.		
2	Webinar	01 per month by Officer.		
		01 per month by each Supervisors.		
3	Surprise Inspection	01 per month by Officer.		
4	All concerned staff were counselled by optg official in their respective sections regarding “Precaution to be taken during TrafficBlock&Power Block and stabling of load is being monitored through WhatsApp group on daily basis by division.			

S&T					
S.N.	Items	Unit	Scope of Work	Target	Target DOC
Short term (0-1 year)					
1	Replacement of PI/EI	Nos	1	1	Mar-25
2	Safety integrity Test for EI/PI	Nos	-----	5 Stns.	Mar-25

3	Replacement of defective signaling cable	Kms	200	100	Mar-25
4	LC for replacement of MLB to ELB	Nos	1	1	Nov-25
5	Provision of IBHs	Nos	3	3	Mar-25
6	Replacement of defective point machine.	Nos.	45	45	Mar-25
7	Replacement of Overegged cum defective Track Relays.(more than 10 yrs. old)	Nos.	45	45	Aug-24
8	Overhauling of Block instrument	Nos.	3	3	Mar-25
9	Replacement of Battery	Nos.	1100	1100	Mar-25
10	Provision of Double Distant	RKms.	20	20	Mar-25
<b>Medium Term (1-3 Years)</b>					
1	Safety integrity Test for EI/PI	Nos	-----	5 Stns.	Mar-26
2	Replacement of defective signaling cable	Kms	100	100	Mar-26
3	Provision of IBHs	Nos	5	5	Mar-26
4	Provision of Double Distant	RKms.	50	50	Mar-25
<b>Long Term (3-5 Years)</b>					
1	Provision of IBHs	Nos	2	2	Mar-26
2	Provision of Double Distant	RKms.	68	68	Mar-26

TRS	
<b>Short Term Action Plan (0-1 Years):</b>	
1.	Checking of flasher light & head light.
2.	Checking of battery connection for secure connection.
3.	Special checking of wiring for loose connection.
4.	Special checking of fire extinguishers in locomotives.
5.	Special checking of pantographs bolt for any cracks.
6.	Checking of pneumatics pipe line connector (Union, Elbow etc.), tightness and alignment.
7.	Intactness of traction hosing and V ring assembly.
8.	Checking for condition of cab door gasket.
9.	Checking of brakes shoes for wear and proper alignment.
10.	Provision of all 8 sanders of locomotives in working.
11.	Proper working of hand brakes in locomotives.
12.	Checking of CBC coupling for any cracks and defect.
13.	Power supply modification in RTIS.
14.	Provision of redundancy in UIC for HOG operation.
<b>Medium Term Action Plan (1-3 Year):</b>	
1.	Modification of CP leg strengthening.
2.	Defective lot of ABB make LA has to be replaced.
3.	Sunny makes harmonic filters capacitor has to be replaced.
4.	Provision of conventional brake rigging in 3 phase locomotives.
5.	Provision of TMDDS in 3 phase locomotive as per RDSO MS-496.

TRD	
S.N	Items
<b>1.0</b>	<b>Short Term action plan (0-1 Years)</b>
1.1	Replacement of Enameled number plate with Retro-reflective number plate.
1.2	Replacement of overage Equipment

	Double pole isolator
	Single pole isolator
	42 KV lightening arrester
	120 KV lightening arrester
	Circuit Breaker (25 KV & 132 KV)
	25 KV interrupter (BM)
1.3	Replacement of 105 sq mm isolator jumper from 160 Sq. mm Jumper.
1.4	Augmentation of TSS by providing 30/42 MVA, 132/27 KV traction transformer at OBRA TSS
<b>2.0</b>	<b>Medium Term action plan (1-3 Year)</b>
2.1	Completion of high speed 160 KMPH work in PKN-BNF section
2.2	Replacement of 150 Sq.mm feeder wire by 130 sq. mm large span wire.
2.3	Replacement of steel anti-creep wire in polluted zone.
2.4	Replacement of PSC mast in CIC section by Galvanized & Fabricated mast.
<b>3.0</b>	<b>Long Term action plan (3-5 Year)</b>
3.1	Completion of Al. catenary wire in CIC section
3.2	Replacement of 65 sq. mm copper cadmium Catenary wire in GC section.
3.3	Replacement of cantilever assembly in GC section.

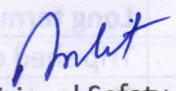
<b>TRO</b>	
<b>S. N</b>	<b>Short term action plan ( 0-1 Year)</b>
1	Effective monitoring of COR and implementation of 09 hrs duty of crew.
2	Fillig of the vacancy of different categories of running staff.
3	Replacement of CMS TSS equipment in 10 crew Lobbies
4	Additional 280 VHF is required.
5	Monitoring of outstation rest of crew at running room.
	<b>Medium term action plan (1-3 years )</b>
1	Psycho / aptitude test is being done time to time. It is being done on promotion of LPP .
2	Psycho test of LPPs working in MEMU train is being done on demanding date from COM office /NER.
3	Provision of separate wash room at all crew lobbies for female running staff .
	<b>Long term action plan ( 3-5 years).</b>
1	Trip shed construction has been proposed at SGRL
2	New extension of Running Room BRWD – 70 bed , RNQ- 20 bed KRSL- 60 bed SGRL- 60 bed , SVPO – 48 bed . TORI – 40 bed BRKA- 40 bed.
3	Simulator training is being planned at GMO in motion with 10 desk top based.

<b>Mechanical</b>	
<b>S.N</b>	<b>Items</b>
	<b>Short Term action plan (0-1 Years)</b>
1	Proper training of LHB coaches and modification in them to all staff
2	Installation of FSDS (Fire & smoke detection system) in AC coaches including of FR running in ECR system (100% in avaailable coaches & ensuring 100% working)
3	Ensuring availability of spare materials and critical materials in depot and train passing offices



4	Testing and maintenance of all available fire extinguisher
5	Modification of manual FDSS to automatic
6	Ensuring working of all FSDS and FDSS system in coaches
7	Ensuring night stabling checks o MEMU as per new format provided by HQ
8	Providing training to C&W supervisors and staff related to troubleshooting of MEMU/DEMU and Vande Bharat
9	Completion of all modification work undergoing in rakes
10	Sensitizing supervisors and staff regarding safety during maintenance practices.
11	Reduction in Rail Madad Complaints
<b>Medium Term action plan (1-3 Year)</b>	
1	Completion of all sanction work
2	Ensuring availability of all necessary M&P items
3	Up gradation of DHN coaching sick line for LHB coach maintenance
4	Up gradation of maintenance facility at pit no1 at coaching depot DHN for Vande Bharat maintenance
<b>Long Term action plan (3-5 Year)</b>	
1	Implements technology solutions such as sensors for detecting abnormalities, CCTV surveillance in critical areas, and automated safety alerts.
2	Keeping the staff up to date with new technologies adopted by Indian Railways.

<b>DMM</b>	
1.	Ensuring availability of fire extinguisher, fire bucket with sand, water at relevant points in offices, shed, stocking wards of the depots.
2.	Ensuring regular counseling of staff regarding awareness about safety.
3.	Ensuring workability of CCTVs, validity of fire extinguisher etc.
4.	Ensuring availability of critical and safety items in depots and shed.
5.	Ensuring training of fire extinguisher operation to officials at office, depot and shed.

  
Sr. Divisional Safety Officer  
East Central Railway/DHN

<b>Mechanical</b>	
1	Proper training of LHB coaches and modification in them to all staff
2	Installation of FSDS (fire & smoke detection system) in AC coaches including of FR running in ECR system (100% in available coaches & ensuring 100% working)
3	Ensuring availability of spare materials and critical materials in depot and train passing offices