

East Central Railway

No.SG.680/3/CSE Insp.

Dhanbad, dt. 15.02.24.

**All SSE/SIG/In-charge
All sectional Signal Supervisors
East Central Railway/DHN**

Sub: Compliance of CSE-I/HJP Inspection of PTRU station on 30/31.01.24.
Ref:- CSE-I HJP's Letter No-ECR/S&T/CSE/INSP/91, dated-05.02.24.

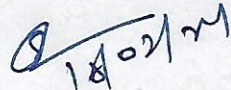
CSE-I/HJP during his inspection of Patratu Station on 30/31.01.24 has noted item no.8.0 which is mentioned below:

Item No. 8.0:-

As per the signal history card it was found that the signal was not inspected for the last 6 months. The SSE (Incharge) was counseled. All divisions to counsel staff to ensure that the maintenance schedule are adhered to.

Therefore, it is instructed to all Sectional supervisors to strictly followed the maintenance schedule

This is for your kind information and necessary action.


f- Sr.DSTE(Co-ord)/DHN
E.C. Rly/Dhanbad

Copy to : DSTE/T/DHN,DSTE/DHN -for information & n/a please.
ASTE/ GMO & KQR -for information & n/a please.
ASTE/BRKA, DTO & CPU- for information & n/a please.

**Points noted during the Inspection of Ray(RAY), Hendegir(HNDR) & Patratu(PTRU) Station by
CSE-I/ECR on 30/31.01.2024 in DHN Division**

Accompanied by:

- i) Sri Prabhat Verma, ASTE/BRKA
- ii) Sri Yogendra Kumar, SI/PATRU
- iii) Sri Manish Kumar Jaiswal, JE/Sig/KLRE
- iv) Sri Rahul Kumar, JE/Sig/HQ

S. N	Description	Action By															
1	<p>Ray Station:</p> <p>Obstruction test of point 62B with 5mm and 1.65mm obstruction gauge was done and it responded correctly. Point opening (LH/RH):105mm/105mm, Housing (LH/RH): 4/3 sleepers. Indication voltage (RD/ND): 29.10V/29.10V The operation time of the point is 10s. The WJR timer is working correctly. Gap between the leading stretcher bar and the bottom of the rail is 2mm. The parameters noted are tabulated below:</p> <table border="1"> <thead> <tr> <th></th><th>N -> R</th><th>R -> N</th></tr> </thead> <tbody> <tr> <td>Operating Voltage</td><td>111V</td><td>112V</td></tr> <tr> <td>Operating Current</td><td>1.8A</td><td>1.6A</td></tr> <tr> <td>Obstruction Voltage</td><td>96V</td><td>98V</td></tr> <tr> <td>Obstruction current</td><td>4.9A</td><td>4.9A</td></tr> </tbody> </table> <p>The tongue rail is chipped after 200mm from the toe of the tongue rail. Painting and lettering over the point machine cover is required.</p>		N -> R	R -> N	Operating Voltage	111V	112V	Operating Current	1.8A	1.6A	Obstruction Voltage	96V	98V	Obstruction current	4.9A	4.9A	SrDSTE/DHN SrDEN/Cord/ DHN
	N -> R	R -> N															
Operating Voltage	111V	112V															
Operating Current	1.8A	1.6A															
Obstruction Voltage	96V	98V															
Obstruction current	4.9A	4.9A															
2	<p>Hendegir Station:</p> <p>Obstruction test of point 53B with 5mm and 1.65mm obstruction gauge was done and it responded correctly. Point opening (LH/RH):110mm/110mm, Housing (LH/RH): 3/4 sleepers. Indication voltage (RD/ND): 29.6V/28.4V The operation time of the point is 8s. The WJR timer is working correctly. Gap between the leading stretcher bar and the bottom of the rail is 4mm. The parameters noted are tabulated below:</p> <table border="1"> <thead> <tr> <th></th><th>N -> R</th><th>R -> N</th></tr> </thead> <tbody> <tr> <td>Operating Voltage</td><td>109V</td><td>109V</td></tr> <tr> <td>Operating Current</td><td>1.5A</td><td>1.7A</td></tr> <tr> <td>Obstruction Voltage</td><td>90V</td><td>90V</td></tr> <tr> <td>Obstruction current</td><td>4.4A</td><td>4.5A</td></tr> </tbody> </table>		N -> R	R -> N	Operating Voltage	109V	109V	Operating Current	1.5A	1.7A	Obstruction Voltage	90V	90V	Obstruction current	4.4A	4.5A	SrDSTE/DHN
	N -> R	R -> N															
Operating Voltage	109V	109V															
Operating Current	1.5A	1.7A															
Obstruction Voltage	90V	90V															
Obstruction current	4.4A	4.5A															
3	<p>Voltage and current parameters of signal no. S-4 was noted and found within the desired limit. Following parameters were noted: 4RG Current/voltage- 110mA/110V and 4DG current/voltage- 110mA/109.6V.</p>	SrDSTE/DHN															
4	<p>Patratu Station:</p> <p>Station Master Smt Rajni Kumari (PME due on 01.03.2026, refresher due on 23.07.2024), Smt Ankita Horo(PME due on 07.02.2026, refresher due on 28.11.2025), Sri Shailender Baraik(PME due on 13.07.2025, refresher due on 17.06.2025) & Sri Niraj Kumar(PME due on 06.12.2024, refresher due on 23.08.2025) was on duty. The SM was alert and knowledgeable about panel operation.</p>	---															
5	<p>The control phones and the communication with the LC gate were working satisfactory. Veeder counter readings were matched with the entries in the veeder counter register and were found matching with the actual readings. Some of the veeder counter readings are EGGN: 043789, EOVN: 003327, EUYN: 017125, ECH: 000342, COGGN: 012857, EWN: 000250, RRBUN: 017537.</p>	SrDSTE/DHN															

Signature

6	Webfil make UFSBI is working properly for PTRU-TKS & PTRU-BHKD section at the station. The date of commissioning of both UFSBI is 21.01.2020. Both the block panel has double lock arrangement and one key was in the custody of SM. All the HASSDAC for block proving is working on dual media i.e. OFC & Quad.	SrDSTE/DHN															
7	Track Circuit no. 391AT, ATA2 (2F-1B), AEW make was checked and parameters noted are given below: Charging Voltage- 10.07V, Operating current- 620mA, Combined voltage- 7.35V Feed end voltage/Current - 3.78V/390mA, TR Voltage/Current- 3.39V/340mA, R1- R2- 3.33V, 391ATTPR- 28.60V, Voltage across Regulating Resistance- 4.89V Battery Voltage- 6.65V, Specific gravity of the battery- 1220, 1210 & 1190	SrDSTE/DHN															
8	Voltage and current parameters of signal no. S-65 was noted and found within the desired limit. Following parameters were noted: 65RG current/voltage- 110mA/109.3V and 65DG current/voltage- 120mA/109.8V. As per the signal history card it was found that the signal was not inspected for the last 6 months. The SSE(incharge) was counseled. All divisions to counsel staff to ensure that the maintenance scheduled are adhered to.	All SrDSTEs															
9	Obstruction test of point 389B with 5mm and 1.65mm obstruction gauge was done and it responded correctly. Point opening (LH/RH):106mm/104mm, Housing (LH/RH): 4/4 sleepers. Indication voltage (RD/ND): 28.4V/28.4V Gap between the leading stretcher bar and the bottom of the rail is 2mm. The parameters noted are tabulated below: <table border="1"> <thead> <tr> <th></th><th>N -> R</th><th>R -> N</th></tr> </thead> <tbody> <tr> <td>Operating Voltage</td><td>114V</td><td>115V</td></tr> <tr> <td>Operating Current</td><td>1.7A</td><td>1.6A</td></tr> <tr> <td>Obstruction Voltage</td><td>103V</td><td>103V</td></tr> <tr> <td>Obstruction current</td><td>4.4A</td><td>3.9A</td></tr> </tbody> </table>		N -> R	R -> N	Operating Voltage	114V	115V	Operating Current	1.7A	1.6A	Obstruction Voltage	103V	103V	Obstruction current	4.4A	3.9A	SrDSTE/DHN
	N -> R	R -> N															
Operating Voltage	114V	115V															
Operating Current	1.7A	1.6A															
Obstruction Voltage	103V	103V															
Obstruction current	4.4A	3.9A															
10	Obstruction test of point 390A with 5mm and 1.65mm obstruction gauge was done and it responded correctly. Point opening (LH/RH):114mm/116mm, Housing (LH/RH): 5/5 sleepers. Indication voltage (RD/ND): 29.7V/30.4V. The parameters noted are tabulated below: <table border="1"> <thead> <tr> <th></th><th>N -> R</th><th>R -> N</th></tr> </thead> <tbody> <tr> <td>Operating Voltage</td><td>114V</td><td>115V</td></tr> <tr> <td>Operating Current</td><td>1.7A</td><td>1.6A</td></tr> <tr> <td>Obstruction Voltage</td><td>103V</td><td>103V</td></tr> <tr> <td>Obstruction current</td><td>4.4A</td><td>3.9A</td></tr> </tbody> </table> RH side tongue rail is floating. Gap between the leading stretcher bar and the bottom of the rail LH side is 10mm. These may be attended to at the earliest.		N -> R	R -> N	Operating Voltage	114V	115V	Operating Current	1.7A	1.6A	Obstruction Voltage	103V	103V	Obstruction current	4.4A	3.9A	SrDSTE/DHN Sr.DEN/Cord/ DHN
	N -> R	R -> N															
Operating Voltage	114V	115V															
Operating Current	1.7A	1.6A															
Obstruction Voltage	103V	103V															
Obstruction current	4.4A	3.9A															
11	Traffic LC-Gate No.-39/Spl. a) Sri Mohan Singh was on duty. His PME is due on 22.06.2024 and his refresher is due on 24.03.2026. He was aware of the working of the gate. b) Hooter of the LC gate was working properly. c) The Magneto Telephone of the gate was found in working condition. d) This gate was Electrically operated lifting barrier type gate. The boom lock was found effective.	SrDSTE/DHN															

राकेश रंजन
05/02/2024

मुख्य सिगनल इंजीनियर-1
पुंमनरे/हाजीपुर

Date: 05.02.2024

No.- ECR/S&T/CSE/INSP/091/

Copy to:

1. PCSTE/ECR/HJP, PCSO/ECR/HJP for information please.
2. Sr. DSTE/DHN, Sr.DEN/Cor/DHN for information & necessary action.