



संख्या: टीएम/एच एम/टी आर टी/पार्ट. III

दिनांक -As signed

I-	मुख्य अभियन्ता (ट्रैक मशीन) सभी क्षेत्रीय रेलवे	Chief Engineer (Track Machines) All Zonal Railways
II-	मुख्य कार्यशालाप्रबन्धक (ट्रैक मशीन) सी.पी.ओ.एच. कार्यशाला प्रयागराज , रायनापाडु, कंचरापारा, अहमदाबाद,	Chief Workshop Manager (Track Machines) CPOH Workshop, Prayagraj , Rayanapadu, Kachrapara, Ahmedabad
III-	प्रधानाचार्य भारे.रे.प.म.प्र.के. पीपलगांव प्रयागराज-211011	Principal, IRTMTC, PipalGaon, Prayagraj-211011
	Details of addresses are enclosed herewith.	

विषय: ट्रैक रिलेइंग ट्रेन (मॉडल-P811S) (मशीन सं. 6122392, 6122402, 6122412, 6122422, 6122432 & 6122442 हेतु मान्य) मशीन की निरीक्षण जॉच सूची ।

Sub: Inspection check list of Track Relaying Train (TRT) (Model-P811S) (applicable for machine no. 6122392, 6122402, 6122412, 6122422, 6122432 & 6122442).

ट्रैक रिलेइंग ट्रेन (मॉडल- P811S) (मशीन सं. 6122392, 6122402, 6122412, 6122422, 6122432 & 6122442 हेतु मान्य) मशीन की निरीक्षण जॉच सूची का मसौदा ओ. ई. एम. द्वारा प्रदत्त अनुरक्षण कैटेलॉग एवम् फील्ड में कार्यरत कर्मचारियों के सुझावों के आधार पर तैयार कर पत्र सं. TM/HM/TRT/Pt-III दिनांक 10.10.2023 द्वारा 30 दिनों के लिए और अनंतिम निरीक्षण जॉच सूची पत्र सं. TM/HM/TRT/Pt-III दिनांक 01.01.2024 द्वारा 15 दिनों के लिए सभी क्षेत्रीय रेलवे, सी.पी.ओ.एच. एवं भारे.रे.प.म.प्र.के. को जारी किया गया था। परन्तु क्षेत्रीय रेलवे, सी.पी.ओ.एच. एवं भारे.रे.प.म.प्र.के. से अभी तक कोई भी सुझाव/टिप्पणी प्राप्त नहीं हुई है। अब निरीक्षण जॉच सूची अंतिम रूप से तैयार किया गया है, जिसकी एक प्रति आपके सूचनार्थ एवम् फील्ड में कार्यरत कर्मचारियों के मार्गदर्शन हेतु संलग्न है। यद्यपि उपरोक्त सूची बनाते समय सभी सावधानियां बरती गई हैं, फिर भी यदि कोई त्रुटि हों तो कृपया सुधार हेतु अपने सुझावों/टिप्पणियों को ई-मेल/पत्राचार द्वारा अधोहस्ताक्षरी को अवश्य भेजे।

On the basis of maintenance manuals provided by OEM and suggestions received from field staff, draft inspection check list of Track Relaying Train (TRT) (Model-P811S) (applicable for machine no. 6122392, 6122402, 6122412, 6122422, 6122432 & 6122442) had been prepared and circulated to all zonal railways, C.P.O.Hs & IRTMTC vide letter no, TM/HM/TRT/Pt.-III dated: 10.10.2023 for 30 days and further provisional inspection check list circulated vide letter no, TM/HM/TRT/Pt.-III dated: 01.01.2024 for 15 days. No comments have been received from zonal railways, C.P.O.Hs & IRTMTC till date. Now the inspection check list has been finalized. A copy of the same is enclosed herewith for your kind information and guidance of the machine staff working in the field. Although every care has been taken during preparation of above said list, however the discrepancy noticed, if any, may kindly be brought to the knowledge of the undersigned for further improvement by e-mail/post.

Email address: hmtmrdso@gmail.com

संलग्नक : उपरोक्त ।

AMAR DEV MAURYA
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(अमर देव मौर्य)

निदेशक रेलपथ मशीन - III

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भारत सरकार
Government of India

रेल मंत्रालय
Ministry of Railways

Inspection Check List
for
Track Relaying Train-Harsco
(TRT) (Model-P811S)
(Applicable for machine no. 6122392, 6122402, 6122412, 6122322, 6122432 & 6122442)



Report No- 299

February-2024

अनुसंधान अभिकल्प और मानक संगठन लखनऊ-226011
RESEARCH DESIGNS AND STANDARDS ORGANISATION
LUCKNOW-226011

PREFACE

Any Machine can only be kept in good condition by regular Inspection of its various assemblies at different levels of inspections. To ensure that the components of On-Track machines are properly working & being maintained and the documentation of the same is being done properly, multi tiered Inspection of On-Track machines is also required. For the purpose IRTMM-2019 includes the duties of different inspecting authorities from Dy. CE/TMC to SSE/TMC with the objective to monitor the health of machines and to ensure that the officials concerned are carrying out their duties satisfactorily. For the guidance of the inspecting authorities, RDSO is dealing with the preparation and issuing the list of items to be inspected for a particular type of machine.

In this context, the Inspection check list for Track Relaying Train -Harsco (TRT) (Model-P811S) (Applicable for machine no. 6122392, 6122402, 6122412, 6122322, 6122432 & 6122442) is prepared as recommended by OEM and suggestions received from different Railways.

While every care has been taken to make the Inspection check list quite exhaustive, there will always be scope for further improvement. Suggestions from the railways in this regard will be welcome and may be sent to the undersigned for future improvement.

February-2024

(A.D.Maurya)
Director/Track Machine-III
RDSO/Lucknow-226011

Track Relaying Train-Harsco (TRT) (Model-P811S)

(Applicable for machine no. 6122392, 6122402, 6122412, 6122322, 6122432 & 6122442)

Name & Designation of Inspecting Officer	:	
Date of Inspection	:	
Machine No.	:	
Base Station/Division/Zone	:	
Location of work/Block Section/Road	:	
Block hours	:	
Progress	:	

S. No	Items	Remarks given by inspecting officer	
1.0 General :			
1.1.	Name of supervisor		
1.2.	Machine make		
1.3.	Year of manufacturing		
1.4.	First POH of Machine done on		
1.5.	Last IOH of M/C done on		
1.6.	Next IOH of M/C due on		
1.7.	Last POH of M/C done on		
1.8.	Next POH of M/C due on		
1.9.	Last POH of camping coach done on		
1.10.	Next POH of camping coach due on		
1.11.	All log book filled properly		
1.12.	Pending Maintenance Schedule (I, II, III, IV, V, VI & VII) and its reasons.		
1.13.	Failure register updated		
1.14.	Reserve stock of consumables and spare parts		
1.15.	General cleanliness of the machine	Ok <input type="checkbox"/>	To be cleaned <input type="checkbox"/>
1.16.	Function of locking devices	Working <input type="checkbox"/>	Not working <input type="checkbox"/>
1.17.	Condition of camping coach, if available	Satisfactory <input type="checkbox"/>	Poor <input type="checkbox"/>
1.18.	Condition of machine base stabling siding	Satisfactory <input type="checkbox"/>	Poor <input type="checkbox"/>
1.19.	Condition of rest house at stabling station, if available	Satisfactory <input type="checkbox"/>	Poor <input type="checkbox"/>
1.20.	Provision of water & electric supply at stabling station	Available <input type="checkbox"/>	Not available <input type="checkbox"/>
1.21.	Pre and Post preparation for machine operation being done	Yes <input type="checkbox"/>	No <input type="checkbox"/>

S. No	Items	Prevailing Condition	
1.22.	Back-up system of machine	Satisfactory <input type="checkbox"/>	Poor <input type="checkbox"/>
1.23.	Condition of tools & plants (spanner, wrench etc.)	Ok <input type="checkbox"/>	To be replaced <input type="checkbox"/>
1.24.	Material available at site {as per critical spares parts list of TRT issued by RDSO/LKO}	Yes <input type="checkbox"/>	No <input type="checkbox"/>

History of Machine :

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S.No	Items	Prevailing Condition	
2.0 Engine Model No.: QSX15, 450 HP @ 2100 rpm			
Engine hours----- On		date-----	
2.1.	Radiator coolant level	Ok <input type="checkbox"/>	Less <input type="checkbox"/>
2.2.	HSD oil level	Ok <input type="checkbox"/>	Less <input type="checkbox"/>
2.3.	Engine lube oil level	Ok <input type="checkbox"/>	Less <input type="checkbox"/>
2.4.	Starting problem	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.5.	Condition of smoke	White <input type="checkbox"/> Normal <input type="checkbox"/>	Black <input type="checkbox"/> Blue <input type="checkbox"/>
2.6.	Engine temperature after 2 hrs working	----- °C	
2.7.	Leakage in Head gasket	No <input type="checkbox"/>	Yes (Head no.-) <input type="checkbox"/>
2.8.	Electrolyte level in batteries	Ok <input type="checkbox"/>	Less <input type="checkbox"/>
2.9.	Specific gravity of electrolyte (min 1.24)	Ok <input type="checkbox"/>	Less <input type="checkbox"/>
2.10.	V-Belt tension	Ok <input type="checkbox"/>	To be tightened <input type="checkbox"/>
2.11.	Condition of V-belts	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.12.	Leakage in engine hoses	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
2.13.	Condition of battery terminals	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
2.14.	RPM of the Engine	Ok <input type="checkbox"/>	Need calibration (Rated rpm.....) <input type="checkbox"/>
2.15.	Engine oil pressure	Actual---	
2.16.	a) 1.5 Kg/cm ² at idle speed b) 2.5 Kg/ cm ² on rated speed after 2 hours working.		
2.17.	Last change of Air Cleaner element	Done <input type="checkbox"/> Date.....	Due <input type="checkbox"/>
2.18.	Last change of engine oil	Done <input type="checkbox"/> Date.....	Due <input type="checkbox"/>
2.19.	Last change of engine oil filters	Done <input type="checkbox"/> Date.....	Due <input type="checkbox"/>
2.20.	Last change of fuel filters	Done <input type="checkbox"/> Date.....	Due <input type="checkbox"/>
2.21.	Last changing/replacement of batteries	Done <input type="checkbox"/> Date.....	Due <input type="checkbox"/>
2.22.	Condition of self starter	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
2.23.	Condition of air compressor	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
2.24.	Last repair/change of alternator	Done <input type="checkbox"/> Date.....	Due <input type="checkbox"/>

S.No	Items	Prevailing Condition	
2.25.	Last over-hauling of the Engine	Done <input type="checkbox"/> Date.....	Due <input type="checkbox"/>
2.26.	Last calibration of fuel injection pump/PT pump	Done <input type="checkbox"/> Date.....	Due <input type="checkbox"/>
2.27.	Last calibration of Fuel Injectors	Done <input type="checkbox"/> Date.....	Due <input type="checkbox"/>
2.28.	Whether working gauges are in order		
	(a) R.P.M.	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
	(b) Oil Pressure	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
	(c) Temperature (engine/hydraulic oil)	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
	(d) Battery charging	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
3.0 Main Machine:			
3.1.	Sled chain lubrication by lube oil	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
3.2.	Condition of N.T. rubber pads	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
3.3.	Clutch and drive shafts universals by grease	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
3.4.	Old sleeper pick up mechanism by grease	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
3.5.	New sleepers drop mechanism by grease	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
3.6.	Manganese rollers by grease	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
3.7.	Dynamic plow by grease	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
3.8.	Lubrication of Conveyor shaft bearings by grease	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
3.9.	Lubrication of conveyor chain by lube oil	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
3.10.	All thread in and thread out rollers by grease	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
3.11.	Pump control linkage by grease	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
3.12.	Track laying frame stabilizer arms by grease	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
3.13.	Tightness of all nuts & bolts	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
3.14.	Sled chain Tension	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
3.15.	Condition of fingers of pick up unit	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
3.16.	Condition of sled rollers	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
3.17.	Condition of sled sprocket and chains	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
3.18.	Leakage from hydraulic system	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>

S.No	Items	Prevailing Condition	
3.19.	Leakage from exhaust vent	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
3.20.	Clearance between brake shoes and wheels	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
3.21.	Condition of machine working tools	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
3.22.	All log books filled properly	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.0	GANTRY (Ashok Leyland model- H6E TICRC3R323, 225 hp at 2300 rpm)		
4.1.	Coolant level in radiator	Ok <input type="checkbox"/>	Less <input type="checkbox"/>
4.2.	Engine lube oil level	Ok <input type="checkbox"/>	Less <input type="checkbox"/>
4.3.	Hydraulic oil level	Ok <input type="checkbox"/>	Less <input type="checkbox"/>
4.4.	Lube oil pressure after 2 Hrs working	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.5.	V-Belt tension	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.6.	Brake application	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
4.7.	Tightness of nuts & bolts	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
4.8.	Condition of brake shoes	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
4.9.	Condition of lock pins of all bridges and gantry rails of BRH	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
4.10.	Leakage from exhaust vent	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
4.11.	Condition of Rope	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
4.12.	Condition of drive chain for excess wear & developing cracks.	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
4.13.	Condition of bearing, pins and gear teeth for excessive wear	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
4.14.	Greasing of gantry wheel bearings.	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
4.15.	Greasing of intermediate gear bearings.	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
5.0	Under Frame Inspection		
5.1.	Under Frame		
5.1.1.	Visual Inspection of centre pivot mounting Bolts and Mounting of Suspension system, Bogie Frame etc.	Ok <input type="checkbox"/>	To be attended <input type="checkbox"/>
5.1.2.	Examine the shock absorber for damages.	Ok <input type="checkbox"/>	To be attended <input type="checkbox"/>
5.1.3.	Check condition of head stock/sole bar of transition Coupler and joints.	Ok <input type="checkbox"/>	To be attended <input type="checkbox"/>

S.No	Items	Prevailing Condition			
5.2.	Bogie frame & Wheels				
5.2.1.	Visual Inspection of wheels and under gear for any infringement.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.2.2.	Visual and Physical inspection of wheel shall be done at a frequency of once a year or after every 1000 engine running hours whichever is earlier.	Done	<input type="checkbox"/>	Not done	<input type="checkbox"/>
5.2.3.	Visually inspect all the welding locations.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.2.4.	Visually check the suspension brackets.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.3.	Brake Rigging				
5.3.1.	Condition of the rubbing plates.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.3.2.	Condition of brake beams breakages/damages.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.3.3.	Condition of Brake hanger bracket, torque support for damages	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.4.	Draw Gear				
5.4.1.	Condition of the transition coupling and replace if required.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.4.2.	Condition of draw hook, draw bars, rubber pads for damages	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.4.3.	Wear at any section on draw hook. (Should not exceed 10 mm).	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.4.4.	Wear on transition coupling shackle pins, trunion pins, shackle/link holes and draw hook holes (should not exceed 3mm).	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.4.5.	Condition of draw beam and locking pins on it.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.4.6.	Condition of visually draft key locking pins.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.5.	Buffing Gear				
5.5.1.	Condition of the wheel tyre profile and crack with tyre profile gauge as mention in procedure for inspection of wheels (On Track Machines) issued by RDSO report no. TM-170	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.5.2.	Condition of the buffers casing for cracks/damages.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.5.3.	Corrosion of sole bar and other under frame members with track tight or inspection lamp.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.6.	Running Gear and Wheels				
5.6.1.	Condition of axle box covers.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.6.2.	Condition of wheel tread for shattered rim, spread rim, shelled tread, thermal cracks, heat checks.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>
5.6.3.	Ultrasonic testing of axles of machine shall be done between 40,000 to 45,000 kms of running or three years, whichever is earlier.	Done	<input type="checkbox"/>	Not done	<input type="checkbox"/>

S.No	Items	Prevailing Condition	
6.0	Safety Items and Staff Matter:		
6.1.	Safety equipment as per Annexure-I	Available <input type="checkbox"/>	Deficient <input type="checkbox"/>
6.2.	Working of safety emergency braking system of the machine	Ok <input type="checkbox"/>	Defective <input type="checkbox"/>
6.3.	Competency certificate of SSE/JE.	Current <input type="checkbox"/>	Expired <input type="checkbox"/>
6.4.	Strength of staff.	Full <input type="checkbox"/>	deficient <input type="checkbox"/>
6.5.	Staff availing rest on due date.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
6.6.	Staff amenities (As per latest correction slip).	Available <input type="checkbox"/>	deficient <input type="checkbox"/>
6.7.	Safety awareness.	Excellent <input type="checkbox"/> Good <input type="checkbox"/>	V. Good <input type="checkbox"/> Average <input type="checkbox"/>
6.8.	Staff due for Medical.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Any other remarks by Inspecting Officer:			

Signature of inspecting authority

List of Safety Equipments

SN.	Description	Quantity	Status			
			Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
1.	Red hand signal flags	2 Nos	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
2.	Green hand signal flag	1 No	Available	<input type="checkbox"/>	Not available	<input type="checkbox"/>
3.	Tri- colour hand signal lamps/LED torch	2 nos.	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
4.	Chain with padlock	2 nos.	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
5.	Fire Extinguisher (each cabin) (valid up to)	1 no.	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
6.	Hooter (manual/remote Controlled)	2 nos.	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
7.	Jack 50 t Traverse type*	2 nos.	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
8.	Wooden blocks off sizes	4 nos.	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
9.	Crow bars	4 nos.	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
10.	Hydraulic hand pump	1 no.	Available	<input type="checkbox"/>	Not available	<input type="checkbox"/>
11.	Emergency pneumatic/hydraulic hose off size suiting to different machines (complete with end fitting)	-	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
12.	Machine specific equipment, if any.	-	Available	<input type="checkbox"/>	Not available	<input type="checkbox"/>
13.	Fog signals (detonators) in a tin case	10 Nos.	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
14.	Working time table of section where machine is working with up-to-date amendment slips	1 copy	Available	<input type="checkbox"/>	Not available	<input type="checkbox"/>
15.	G & SR book with up-to-date amendment slips	1 copy	Available	<input type="checkbox"/>	Not available	<input type="checkbox"/>
16.	4 cell flasher light LED lamp cum flasher light (rechargeable)	1 no.	Available	<input type="checkbox"/>	Not available	<input type="checkbox"/>
17.	Banner flag	2 nos.	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
18.	First Aid Box (valid up to)	1 no.	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
19.	Skids	10 nos.	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
20.	Safety helmets	For each machine staff	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
21.	Protective clothing, safety shoes and safety gloves	For each machine staff	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
22.	Walkie talkie with frequency of SM, Guard and Loco Pilots	2 nos.	Available	<input type="checkbox"/>	Not available	<input type="checkbox"/>
23.	Internal communication system Walkie talkie and/or head mounting system	-	Available	<input type="checkbox"/>	Deficient	<input type="checkbox"/>
24.	Track Machine Manual with latest correction slips.	1 no.	Available	<input type="checkbox"/>	Not available	<input type="checkbox"/>
25.	Accident Manual with latest correction slips.	1 no.	Available	<input type="checkbox"/>	Not available	<input type="checkbox"/>
26.	Tail lamp	1 nos.	Available	<input type="checkbox"/>	Not available	<input type="checkbox"/>

Note-* Proposal is sent to Railway board vide letter no. TM/HM/1, VOL-2 dated 22/08/2019 for approval of jack (machine wise).

GENERAL SAFETY NOTES

1. The machine has to be operated according to existing Indian Railways rules and regulations.
2. The safety of all machine staff is most important in the operation and maintenance of the machine.
3. Always alert the men working close to the machine.
4. Do not forget to look out for signals and obstructions on track.
5. Make sure that all protection equipment and safety devices are in place on the machine and in working order especially when it is being driven from site to site.
6. Always keep the machine clean. Excessive oil or grease on the machine can make surface slippery and is also potential to fire hazard.
7. Always lock the machine before leaving. Make sure that the machine is protected in accordance with Railways regulations.
8. Wherever there is an opportunity while waiting to go out for a job, do some of the smaller maintenance job, such as tightening loose nut & bolts and cleaning the machine.
9. Do not permit unauthorized persons to operate the machine.
10. It is prohibited to use fire on or near the machine.
11. Always wear proper dress, safety shoes and helmet while operation of the machine.

ACKNOWLEDGEMENT

Following officers and staff have made their valuable contributions in preparation of Inspection check list of Track Relaying Train (Harsco) (P811S) (machine no. 6122392, 6122402, 6122412, 6122322, 6122432 & 6122442):

RAILWAYS

Shri	Mohammad Rafique	SSE/TM/SECR/BSP
Shri	Sunil	SSE/TM/NR /UMB
Shri	Bhushan Hivrale	Machine In-charge (Harsco Rail) (Machine no.-6122422)
Shri	Vinod Verma	Site In-charge (Harsco Rail) (Machine no.-6122422)

RDSO

Shri	Rakesh Tiwari	ARE/TM
Shri	Prem Kumar	SSRE/TM
Shri	A.K.Srivastava	SSE/TM
Shri	Ravi Kumar	SSRE/TM