

पूर्व मध्य रेल

कार्यालय

महाप्रबंधक(सिग. एवं दूरसंचार)

पूर्व मध्य रेल हाजीपुर

दिनांक:-24.02.2025

फाइल संख्या-ईसीआर/एसएंड टी/ सिगनल अनुभाग/विविध
(कम्प्यूटर संख्या-279747)

वरि.मंसिदूई

दानापुर, डीडीयू, धनबाद, सोनपुर एवं समस्तीपुर

पूर्व मध्य रेल

विषय:- Dimensions of standard push trolley wheels

संदर्भ:- आरडीएसओ का पत्र संख्या-RDSO-SIGOMISC(DS-1)1/2022 dt:21.02.2025

उपरोक्त संदर्भित पत्रानुसार **Dimensions of standard push trolley Wheels** बावत पत्र
इस कार्यालय को प्राप्त हुआ है जिसे आपको भेजा जा रहा है।

कृपया संदर्भित पत्र के अनुसार सभी SSE/JE को आवश्यक निर्देश जारी करें एवं इनका
अनुपालन सुनिश्चित करें।

संलग्न:-संदर्भित पत्र की प्रति।

राकेश रंजन

मुसिई-1

कृते महाप्रबंधक(सिग. एवं दूरसं.)पूमरे हाजीपुर

प्रतिलिपी:- प्राचार्य सिगनल एवं दूरसंचार प्रशिक्षण केन्द्र दानापुर को सूचनार्थ।

Fax : +91-522-2452332 E-mail : triambak.tiwari@gov.in Mob: 9794863310	 सत्यमेव जयते	भारत सरकार, रेलमंत्रालय, अनुसंधान अभिकल्प और मानक संगठन, लखनऊ-226011 Government of India - Ministry of Railways Research Designs & Standards Organisation LUCKNOW – 226011	
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No. RDSO-SIG0MISC (DS-1)/1/2022

Date: As Signed

PCSTEs,
All Zonal Railways

Sub:	Dimension of Standard Push Trolley wheels.
Ref:	I. Director/Track Machine-III letter no. RDSO-TMM0STM(LWT)/1/2025 dated 21.01.2025 II. Dir/Civil Engg.(Plg.)/Rly Bd's letter no 2023/CE-II/Safety/Instruction, New Delhi dated 19.12.2024(Copy enclosed) III. This office letter no RDSO-SIG0MISC(DS-1)/1/2022 dated 01.07.2022

With reference to subject above, it is observed that there are many complaints referred to this directorate in which failures of digital axle counters are reported due to movement of push trollies. In course of investigation non-standard trolley wheels are found to be the cause of such failures and such failures may be avoided using standard wheels in push trollies.

In this regard, during discussion with track machine directorate about drawing and dimensions of standard wheels of push trolley, vide reference-1, it is informed that the Railway Board, vide reference II, has circulated RDSO's drawing no. RDSO/TM/05/10 dated 05.09.2011 to PCEs of all Zonal Railways to use trollies with standard wheels only to avoid failures of axle counters. Same drawing of push trolley wheels is also mentioned in the RDSO's specification for SSDDAC, no. RDSO/SPN/177/2012 version 3.0. In this light, it is requested to ensure use of push trolley with wheels of standard dimension only to avoid failures.

Also, this letter supersedes this office earlier letter in the same regard, mentioned under reference III.

This is being issued with approval of PED/S&T.

DA: As above

Digitally Signed by

Triambak Tiwari

Date: 21-02-2025 13:42:53

(Triambak Tiwari)

Reason: Approved

For Director General/S&T

3556105/2025/O/o ED/SIGNALS/RDSO/STM(LWT)/1/2025-O/o PED/TMM/RDSO

भारत सरकार (GOVERNMENT OF INDIA)

रेल मंत्रालय (MINISTRY OF RAILWAYS)

रेलवे बोर्ड (RAILWAY BOARD)

No. 2023/CE-II/Safety/Instruction

New Delhi, dated 19.12.2024

**Principal Chief Engineer,
All Zonal Railways.**

Sub: Push Trolley – Use of Standard Wheels

It has been brought to the notice of Railway Board that Push Trolleys having non-standard wheels are also in use in the field. This is causing unnecessary inconvenience to the S&T deptt. in day-to-day maintenance and monitoring of S& T gears.

RDSO has issued standard drawing of "WHEEL FOR INSPECTION (PUSH) TROLLEY" vide Drawing No. RDSO/TM/05/10 dated 05.09.2011 (copy enclosed). Railways are requested to examine all existing Push Trolleys and ensure that only standard wheels as per above RDSO Drawing are available in Push Trolleys.


19.12.24
**Director, Civil Engg. (Plg.)
Railway Board**

... OF MANUFACTURING AND MATERIAL SPECIFICATION TO BE STAMPED ON SPOKE.

MANUFACTURERS NAME, YEAR OF MANUFACTURING AND
WHEEL SEAT OF AXLE.

5. BORE TO BE SUITABLY MODIFIED AS PER DIMENSION OF WHEEL JOINT.

1. MATERIAL OF WHEEL CAST STEEL GRADE 280-520N OF 1950 (AISI 52100) OF 20040146 ABC OF INSPECTION PUSH TROLLEY WHEEL ISSUED BY THIS DTE.

3. THIS DRG. SUPERSEDES ALL PREVIOUS DRG. OF INSPECTION PUSH POLICE WHEELS. THIS DRG. SUPERSEDES ALL PREVIOUS DRG. OF INSPECTION PUSH POLICE WHEELS. BE AS PER IS: 2102 (PART 1)-1983

2. TOLERANCES FOR ALL LINEAR DIMENSION SHALL
(T FOR OTHER THAN BORE & F FOR BORE)

(m) FOR OTHER THAN BUNE & 1 FOR
ALL DIMENSIONS ARE IN MILLIMETRES.

R.	D.	S.	O.
IMM DIRECTORATE WHEEL FOR INSPECTION (PUSH) IROLLEY			
CONC./SUPD. REVISED-REV-1 (SEPT.2011)			
DRG.No. RDSO/TM/05/10			

SPECIFICATION	NOT TO SCALE		① DIMENSION SPECIFIED
	SCALE	ALT	

NOTES