



**Government of India  
Ministry of Railways**

**CHECK SHEETS  
FOR  
BOGIE OPEN RAPID DISCHARGE HOPPER WAGON  
TYPE – BOBRNHSM1-Design-K (CC+6t+2t)**

Sl. No.	Month/Year of issue	Revision/Amendment	Page No.	Reason for Amendment
1.	June 2016	-----	-----	First issue
2.	July 2018	Amendment no.1	10	Check sheet for testing of door operating mechanism revised.

ISSUED BY

**RESEARCH DESIGNS & STANDARDS ORGANISATION  
MINISTRY OF RAILWAYS  
MANAK NAGAR, LUCKNOW-226011**

These check sheets do not detail all the dimensions or technical requirements of respective wagon assemblies / components. These check sheets are issued only for General Guidance & assistance of inspecting officials. Notwithstanding the above, the inspecting officials are advised to refer to relevant drawings and / or relevant specifications to confirm conformity to the specified dimensions and technical details.

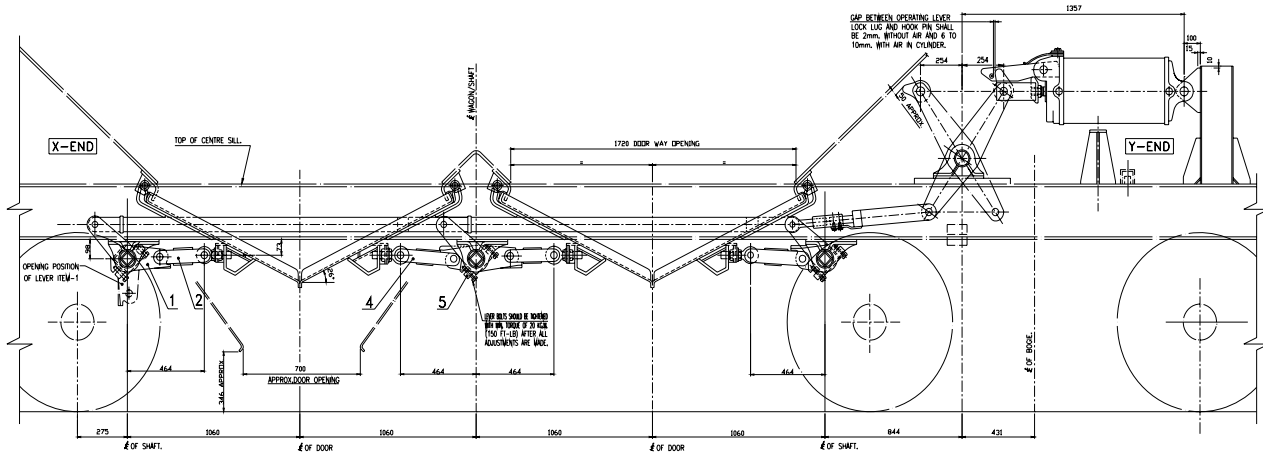
**WD-CS-01-BOBRNHSM1-CRF-(Design-K)-2016**

**Amendment No.1**

Amendment No. 1 of July 2018 to RDSO check sheet No.WD-CS-01-BOBRNHSM1-CRF-(DESIGN-K)-2016

Page No 10 of check sheet i.e. "Testing of Door Operating Mechanism" has been modified and shall be read as-

**TESTING OF DOOR OPERATING MECHANISM**



Drq.No.-WD-96038-S-01

TESTING OF DOOR OPERATING MECHANISM NO:			DATE:		
SL. NO.	STAGE	Works Inspection	RDSO Inspection		Remarks
1.	Fitment of all components				
2.	Welding				
3.	Dressing				
4.	Dimensions	As follows			
5.	LOCATION	Nominal Dimensions & Allowable Deviation	Actual Dimension		Remarks
			Works Inspection	RDSO Inspection	
6.	Door tightening Pressure	3.5 TO 4.2 Kg/sq. Cm.			
7.	Primary lock gap X end lever to connecting link Y end lever to connecting link Central lever to connecting link	No gap No gap One end 3mm maximum other end no gap			
8.	Over center condition of door lever & link	3-8 mm for both +ve and -ve side.			
9.	Secondary lock gap (1) With air (2) Without air	6-10 mm 0-2 mm			
10.	Vertical distance between bottom of Centre sill and eye bolt hole center	98 mm			
11.	Vertical distance between bottom of Centre sill and bearing hole center	73 mm			
12.	Cylinder rod to clevis lock nut for secondary lock	38 mm			

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13.	Door Opening	700 Approx.			
14.	Leakage in the system in 5 minutes	No Leakage			
15.	Door tightness adjustment	As per Fig.-9 of G-73 (REV.2 of julyt.2018)			
16.	Angle adjusting lever with horizontal plane	Not over 45 <sup>o</sup>			
17.	Tack welding at clevis lock nut end at locking plate on turn buckle	Done/not done			

All dimensions are in mm

Works Inspector		RDSO Inspector	
Signature:		Signature:	
Name:		Name:	
Designation:		Designation:	
Date:		Date:	

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