



**QM-C-7.1/BOGIE LWLH25/0001**  
**INSPECTION CHECK SHEET FOR LWLH25 ASSEMBLED BOGIES**

- 1 Name of Manufacturer :  
2 Address of works :  
3 Date of offer :  
4 RDSO File No :  
5 Drawing and Alt. No :  
6 Specification :  
7 P.O. No and date :  
8 Total quantity Ordered :  
9 Quantity Earlier passed :  
10 Quantity now offered :  
11 Consignee :  
12 D.P :

SI No.	DM Item	Ref. DM No.
1	Side Frame	
2	Bolster	
3	Centre pivot top	
4	Friction Wedge	
5	Bolster Springs	
6	Side Bearer with Spring	
7	Spring Plank	
8	Side frame liner, Bolster liner, Centre Pivot liner	
9	Brake Beam	
10	Brake Block	
11	Modified Elastomeric Pad	
12	Centre Pivot Washer	

1. Date of inspection
2. Quantity accepted
3. Quantity rejected
4. Balance order

Signature of firms Representative

RDSO Representative  
Name Designation & Stamp



**Note:**

These check sheets do not detail all the dimensions or technical requirements of respective Bogie 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.

**1A. Offered bogies / Components details (100%)**

S.No	Bogie no.	S/F No. 1	S/F No. 2	Bol.no.	S.No	Bogie no.	S/F No. 1	S/F No. 2	Bol.no.
1.					26				
2.					27				
3					28				
4					29				
5					30				
6					31				
7					32				
8					33				
9					34				
10					35				
11					36				
12					37				
13					38				
14					39				
15					40				
16					41				
17					42				
18					43				
19					44				
20					45				
21					46				
22					47				
23					48				
24					49				
25					50				

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**1B.OTHER CHECKS:**

- (a) Whether springs of same colour code are used in same bogie.?
- (b) Marking details of side frame, bolster, center pivot top, wedge etc. are as per relevant drawing.
- (c) (i) Whether Centre pivot top and side bearer - base areas are machined?  
(ii) Side Bearer base & Centre Pivot Bottom Base will be in same level.
- (d) Centre pivot assembled height =  $78 \frac{+0.8}{-0.3}$

**2. Bogie Trammeling and Bogie Clearances Parameters : - (5%)**

Total No. of Bogie Assemblies Tested :

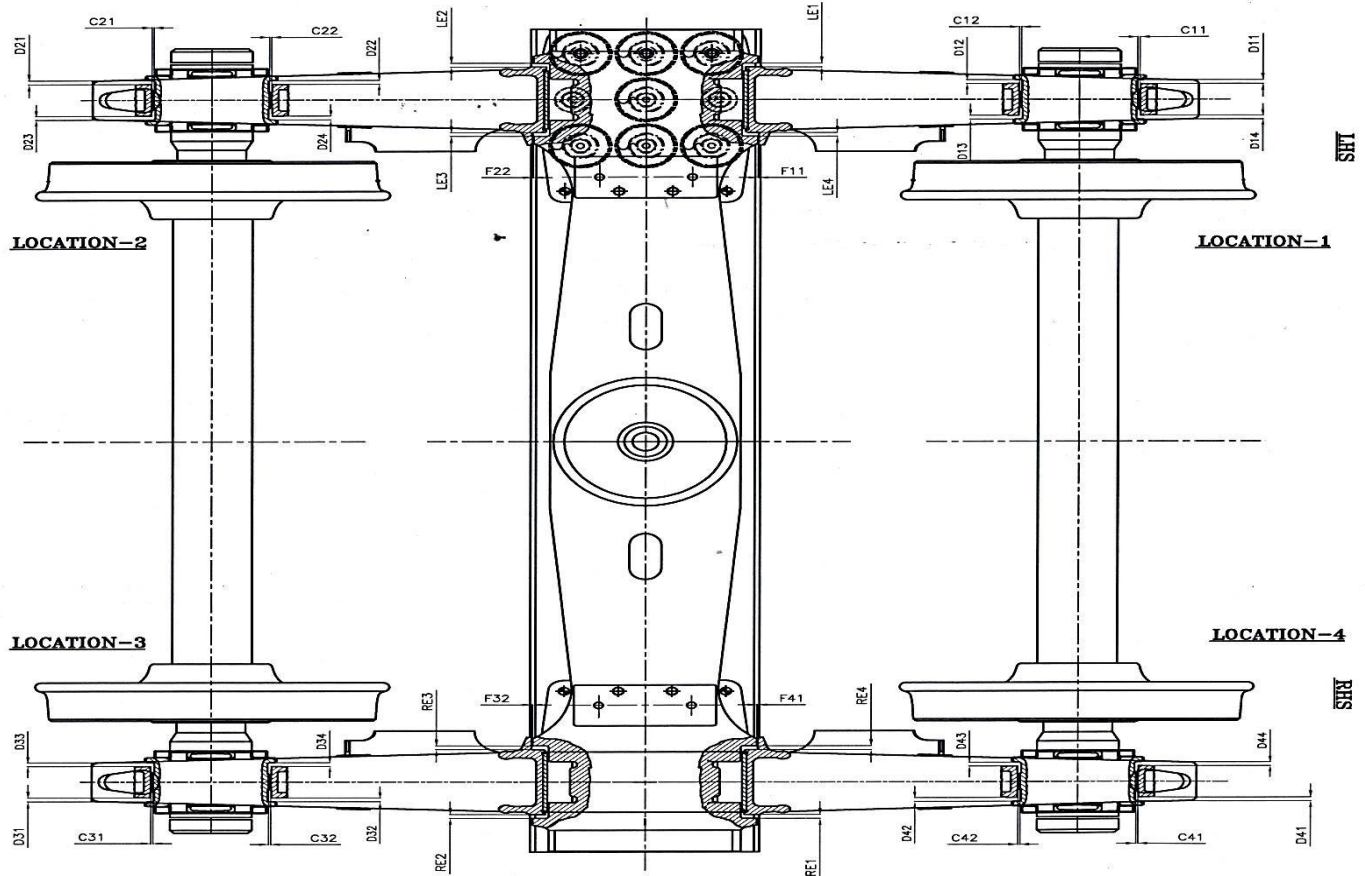
(Separate chart to be filled for each bogie)

Bogie serial No.	
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SL. NO.	DETAILS OF ITEM CHECKED	SPECIFIED ( MM )	OBSERVED
1	<b>a)</b> Diagonal <b>b)</b> Max diff. Between two diagonals <b>c)</b> Max diff. Of half diagonals	<b>a)</b> 3018 +/-4.5 <b>b)</b> 3.5 <b>c)</b> 4.0	
2	<b>a)</b> Wheel base <b>b)</b> Max diff. Between two wheels base <b>c)</b> Button no.	<b>a)</b> 2000+/-5 <b>b)</b> 2 but should be of same button. <b>c)</b> 1,2,3,4,&5	
3	<b>a)</b> Journal center <b>b)</b> Max diff. Between two Journal Centres	<b>a)</b> 2260 +/-1.5 <b>b)</b> 1	
4	Dis. Between RL to bottom of Side Frame	149 +3/-0	
5	Brake beam pocket lateral distance	2048 ± 1.5	
6	Distance between Side Bearer Centers	1474±5 max	
7	Gap between Side Frame & Spring plank	0.5 max	

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Clearance between Side frame and Bolster (Lateral E = 12.5 ± 1.5; Longitudinal F = 2 <sup>+1.5</sup> / <sub>0.0</sub> )							
LHS				RHS			
LE1				RE4			
LE2				RE3			
LE3				RE2			
LE4				RE1			
LE1+ LE4 = LE2 + LE3 = 25 ± 3 Difference in any of LE1, LE2, RE4, RE3 ≤ 2mm				RE1 + RE4 = RE2 + RE3 = 25 ± 3 Difference in any of LE3, LE4, RE2, RE1 ≤ 2mm			
F11		F22		F32		F41	
Lateral clearance between side frame and adapter (8 <sup>+3</sup> / <sub>-0.75</sub> )							
D11		D41		D21		D31	
D12		D42		D22		D32	
D13		D43		D23		D33	
D14		D44		D24		D34	
D11+D14=D12+D13=16 <sup>+6</sup> / <sub>-1.5</sub> ;				D21+D23 = D22+D24 = 16 <sup>+6</sup> / <sub>-1.5</sub>			
D41+D44=D42+D43 = 16 <sup>+6</sup> / <sub>-1.5</sub> and diff. in any of D11, D12, D44, D43 ≤ 2mm & D13, D14, D42, D41, ≤ 2mm				D31+D33 = D32+D34 = 16 <sup>+6</sup> / <sub>-1.5</sub> D21, D22, D33, D34 ≤ 2mm & D23, D24, D31, D32 ≤ 2mm			

Longitudinal clearance between side frame and adapter (4.5 <sup>+1.0</sup> / <sub>-1.5</sub> )
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C11		C41		C21			C31
C12		C42		C22			C32
$C11 + C12 = C41 + C42 = 9 \frac{+2}{-3}$				$C21 + C22 = C31 + C32 = 9 \frac{+2}{-3}$			

### 3. LOAD CHART REPORT FOR LWLH25 BOGIE - 25 T AXLE LOAD(5%)

Total No. of Bogie Assemblies Load Tested :

(Separate load test chart to be filled for each bogie)

Bogie serial No.	
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SL. NO.	Description Of Test	Specified value ( mm )				Value Observed				
		Light Bogie	Height Under 5.450T	Height Under 45.260T	Height Under 61.05T	Light Bogie	Height Under 5.450T	Height Under 45.260T	Height Under 61.05T	Height After Release
2	Center pivot Ht From RL	748.5 +3/-8	726.5 +3\ -8	676.5 +3 / - 8	658 + 3 / - 8					
3	A) Side Bearer Ht From RL	833.5 +4.6/-9.6	777 +4.6 /-9.6	727 + 4.6 / - 9.6	708.5 + 4.6 / - 9.6					
4	Spring group height	276.5 +/-3	254.5 ± 3	204.5 ± 3	186 ± 3					

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4	Spring group height	276.5 +/-3	254.5 ± 3	204.5 ± 3	186 ± 3					

- Wheel Dia. 840 mm.

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