

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI PURCHASE SPECIFICATION FOR LOAD TESTING OF FABRICATED STRUCTURES FOR SPECIAL 280T WAGON SPECIFICATION NO. BHE/JHS/LMP/0708/35048T/WAGON-280T Testing

1.	Main bridge	-Drg No.17250003001	2 Nos
2.	Intermediate Bridge-(Outer)	-Drg No. 17250003002	2 Nos
3.	Intermediate Bridge-(Inner)	-Drg No. 17250003003	2 Nos
4.	Bolster	-Drg No. 17250003000	2 Nos
5.	Frame Assembly- Bogie	-Drg No. 07250003000	8 Nos

ISSUED BY:

LOCOMOTIVE PRODUCTION PLANNING AND CONTROL DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED, JHANSI JHANSI-284129

March 1st, 2008



SPECIFICATION NO. BHE/JHS/LMP/0708/35048T/WAGON-280T Testing / Date 01.03.08 Page 2 of 8

A) Requirement for technical qualification

- i. Party should have the experience and suitable expertise for executing the similar load test activities.
- ii. Party should have experience of dealing with RDSO.
- iii. Party should have executed similar order in recent past Ten years.
- iv. Party should have the facility for application of static loads for continuous 18 hrs along with the suitable supports.
- v. Party should have all the required measuring instruments for measurement of applied load and reflection.
- vi. Party may be assessed by BHEL/RDSO for its competencies at their works.

B) Scope of Work

This specification covers the particular requirement for load testing of the following fabricated structures of 280T special Wagon.

	Descriptions	<u>Drg No</u>	<u>Oty</u>
1.	Main bridge	-Drg No.17250003001	$\overline{2 \text{ Nos}}$
2.	Intermediate Bridge-(Outer)	-Drg No. 17250003002	2 Nos
3.	Intermediate Bridge-(Inner)	-Drg No. 17250003003	2 Nos
4.	Bolster	-Drg No. 17250003000	2 Nos
5.	Frame Assembly- Bogie	-Drg No. 07250003000	8 Nos

- i. The supplier is expected to perform the load testing on the fabricated structures listed above as per the load test procedures enclosed in annexure I
- ii. The structures shall be issued to the supplier free of cost by BHEL, against the appropriate Bank guarantee to be submitted.
- iii. Rectification if required after the load testing shall be arranged by BHEL
- iv. The required jigs fixtures/instrumentations etc shall be in the scope of supply.
- v. BHEL/RDSO may witness the test.

C) Delivery

The expected delivery is one month after the supply of free issue items.

D) Rates

Rates should be coated in "Rs per unit" for each item separately.

The required charges for witness of testing may be indicated separately.



SPECIFICATION NO. BHE/JHS/LMP/0708/35048T/WAGON-280T Testing / Date 01.03.08 Page 3 of 8 $\,$

Annexure I

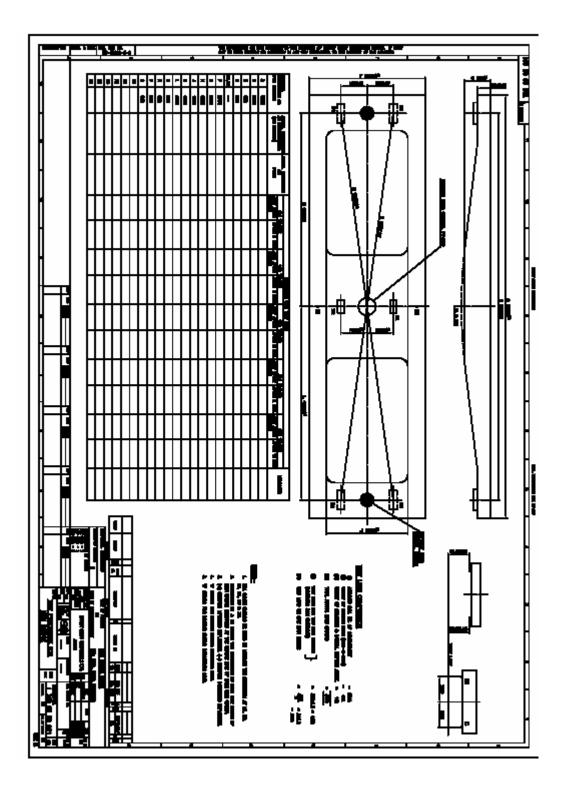
TABLE I

Load Test Procedure

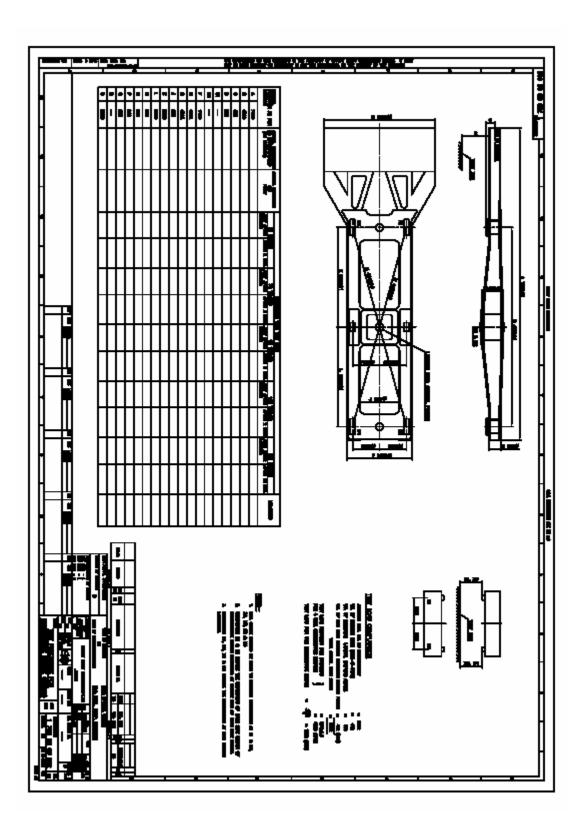
S.	Structure to be	Type of load	Method of load	Load to be applied	Drawing No.
	load tested		distribution	in requirement	for load
				(Tonne)	testing.
(1)	(2)	(3)	(4)	(5)	(6)
1.	Main Bridge	Distributed	Load to be	1. Ot-	17250003001
		load on center	applied on top	2. 100t-(for 2 hrs)	
		pivot	pivot	3. 135t-(for 2 hrs)	
				4. 170t-(for 2 hrs)	
				5. 205t-(for 2 hrs)	
				6. 220t-(for 18 hrs)	
2.	Intermediate	-do-	-do-	1. Ot-	17250003002
	Bridge(outer)			2. 55-(for 2 hrs)	
				3. 75t-(for 2 hrs)	
				4. 95t-(for 2 hrs)	
				5. 115t-(for 2 hrs)	
				6. 125t-(for 18 hrs)	
3.	Intermediate	-do-	-do-	-do-	17250003003
	Bridge(inner)				
4.	Bolster	-do-	-do-	1. 0t-	17250003000
				2. 150t	
				3. 175t	
				4. 210t	
5.	Frame	distributed load	Load to be	1. 0t-	07250003000
	Assembly-	on center pivot	applied on top	2. 52t	
	Bogie		pivot	3. 75t	
				4. 85t	



SPECIFICATION NO. BHE/JHS/LMP/0708/35048T/WAGON-280T Testing / Date 01.03.08 Page 4 of 8

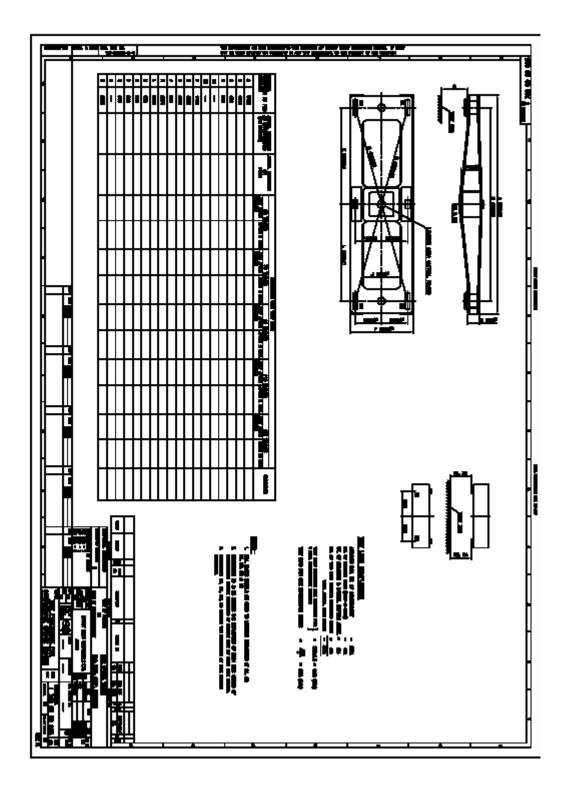






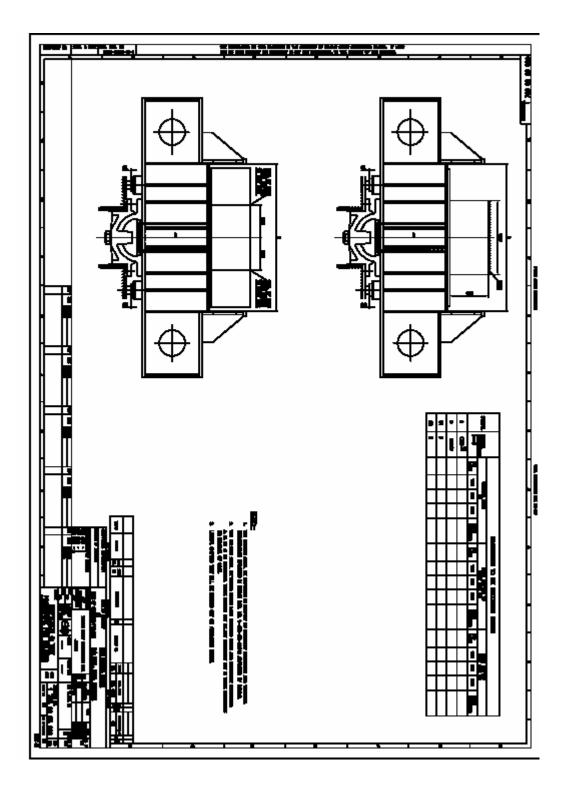


SPECIFICATION NO. BHE/JHS/LMP/0708/35048T/WAGON-280T Testing / Date 01.03.08 Page 6 of 8





SPECIFICATION NO. BHE/JHS/LMP/0708/35048T/WAGON-280T Testing / Date 01.03.08 Page 7 of 8





SPECIFICATION NO. BHE/JHS/LMP/0708/35048T/WAGON-280T Testing / Date 01.03.08 Page 8 of 8

