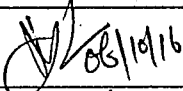

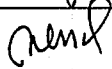
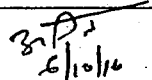


**Schedule of Technical Requirement
For
Safety Wire Rope Assembly**

Specification No. MDST-147, Rev-Nil Date: 06.10.2016

Page 1 OF 3

Name	Designation	Signature	Date	Level
Naib Singh Mehta	SSE/BD	 06/10/16	06.10.2016	Prepared
Balwant Singh	SME/BD		06.10.2016	Agreed
Lalit Kishore	Dy CME/D-1		06.10.2016	Reviewed
A. K. Kathpal	CDE	 6/10/16	06.10.2016	Approved


Prepared by


Agreed by

Schedule of Technical Requirement For Safety Wire Rope Assembly	
Specification No. MDST-147, Rev-Nil Date: 06.10.2016	Page 2 OF 3

1. General:

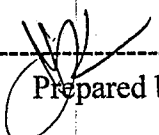
This specification covers the technical/infrastructure requirements to be complied by the tenderer for manufacture, testing and supply of Safety Wire Rope Assembly for Conventional and FIAT bogies used in coaching stock.

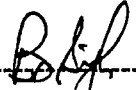
2. Eligibility Criteria:

- 2.1. The tenderer must submit clause-wise comments on the specification. In absence of clause-wise comments, offers shall be deemed as incomplete and may not be considered.
- 2.2. The manufacturer should have prior experience in manufacture of Safety wire ropes or slings.
- 2.3. The manufacturer shall have following infrastructure facility in-house for manufacturer and testing of safety wire rope assembly:
 - 2.3.1. Special purpose high pressure hydraulic crimping machine for swage rope ferrules on to wire ropes of suitable capacity.
 - 2.3.2. Suitable wire rope cutting machine
 - 2.3.3. Hydraulic bending machine for manufacture of thimble or tie-up with thimble manufacturer.
 - 2.3.4. Hydraulic/Universal testing machine of capacity 15T minimum
 - 2.3.5. Vernier caliper of size 0- 150mm & 0-500mm
 - 2.3.6. Firm should have tie-up with manufacturer of wire rope, thimble and ferrule.
 - 2.3.7. Suitable arrangement/fixture for measurement of safety wire rope assembly length
- 2.4. The manufacturer should have ISO:9001 certification.

3. Raw Material:

- 3.1. Chemical composition and mechanical properties of raw material to be used, shall confirm to applicable drawings & specification.
- 3.2. Records of physical, chemical and mechanical properties tests shall be kept and made available to Inspecting Agency, if required.
- 3.3. Wire, thimble and ferrule to be taken up for manufacture of safety wire rope assembly, shall be visually checked for surface defects such as cracks, pitting, bend, rust, scales etc. and they shall be free from all these defects.

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Schedule of Technical Requirement For Safety Wire Rope Assembly		
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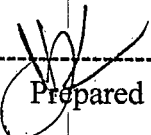
4. Fixtures/attachment:

Manufacturer shall prepare fixture for testing of safety wire rope assembly as per requirement given in tendered drawings/specification

5. Identification Marking:

Each Safety wire rope assembly shall be punched with manufacturer's identification mark, serial number and date of manufacture to facilitate proper identification.

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