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8 GUARANTEE:

- 8.1 Complete air spring assembly including emergency spring shall be guaranteed for satisfactory performance for a minimum period of 60 months from the date of actual commission in bogies or 72 months from the date of supply whichever is earlier. Satisfactory performance for this purpose means that complete air spring assembly or any of its part shall neither show any kind of deterioration which is likely to render it unserviceable nor lose its characteristics as stipulated in this Specification, during the guarantee period for reasons attributable to manufacturing/design defects.
- 8.2 In the event of 'non-satisfactory performance' of any of the items as indicated above, supplier will have to replace the same at his own expense without levying any cost involved in transportation, handling and replacement of such items on the Purchaser.

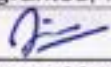
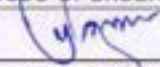
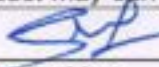
9 INSTALLATION, COMMISSIONING & MAINTENANCE:

- 9.1 On placement of order, supplier whose equipment will be purchased for the "First Time" for installation on the coaches, shall have to depute his representative at his own expense to associate with the purchaser in installation and commissioning of the equipment on the first five coaches. He shall also depute his representative during maintenance schedules undertaken on his equipment as per maintenance booklet supplied by him.
- 9.2 With every order for supply of the air spring assembly, the supplier shall have to supply maintenance instructions in the form of a booklet (hard copy / soft copy).
- 9.3 Maintenance booklet supplied by the supplier shall cover the following aspects in detail:
- 1) Specification of the air spring assembly.
 - 2) Drawing and specification of gauge for measuring spring height in installed condition in coach.
 - 3) Drawing and specification of other gauges required for maintenance.
 - 4) Working principle based on the actual construction.
 - 5) Constructional details giving sketches, drawings and photographs etc. identifying various items and their part numbers etc. for easy identification.
 - 6) Procedure for dismantling using sequential steps with the help of sketches.
 - 7) Procedure for assembly, using sequential steps with the help of sketches.
 - 8) Jigs, tools, other materials and details of special set-ups etc., necessary for item 6 & 7 above.
 - 9) Testing procedures and facilities required along with their details.
 - 10) Comprehensive details containing legible sectional views of defects normally observed or may happen on air spring and emergency spring with clear remarks whether the defect is rejectable or non-rejectable.
 - 11) List of other defects and their remedies.
 - 12) Periodicity for various maintenance activities on time and distance basis.
 - 13) Do's and Don'ts for maintenance officials.

10 INSPECTION AND TESTING:

10.1 General requirements:

During initial approval of a firm by RDSO (Clause 7) and later on when approval has been granted, RDSO for purpose of ensuring quality of purchased product may carry

Signature			
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