

RESEARCH DESIGNS & STANDRDS ORGANISATION (TRACTION INSTALLATION DIRECTORATE)

Reasoned documents for uploaded of Schedule of Technical Requirement No. TI/STR/035 (Revision 1) dated 08.07.2020 for manufacture and supply of modular cantilever system.

A Schedule of Technical Requirement No. TI/STR/035 (Revision 1) was uploaded for 30 days on RDSO website for comments and suggestion. Following remarks have been received from manufacturers/firms.

Clause No.	Schedule of Technical Requirement No. TI/STR/035 (Revision 1)	Comments by firms	RDSO's remarks
	M/s Raychem RPG Pvt. Ltd. Vide Letter's no. NIL dt. 04.09.2020	NIL	
	M/s PPS International Vide Letter's no. PPS/RDSO/MCS/21-21/03 Date: 04.02. 2021		
3.0	TESTING FACILITIES: MANUFACTURER SHOULD HAVE ADEQUATE FACILITY TO TEST THE RAW MATERIALS AS WELL AS THE FINISHED PRODUCT AS FOLLOWS:		
	TESTING FACILITIES SN-1. Electromagnetic crack detecting machine (if fittings are made from ferrous material)/ dye penetration testing facility.	The Radiography machine shall be made as an essential item and to be added in the STR. The radiography test shall be made mandatory during routine test as it will help in reducing the failures due to blow holes and other casting defects.	Accepted, with following modification: "Electromagnetic crack detecting machine (if fittings are made from ferrous material)/ dye penetration testing facility & Radiographic examination of Aluminum bronze , Aluminum alloys & aluminum castings. (Alternatively radiographic examination can be carried out at NABL/NABCB accredited laboratory). "
	M/s Atlantic Tradelinks Private Limited Sales Off: B-12, Industrial Area, Amausi, Lucknow-226008 (India) email dated 08.08.2020		

2.0	<p>Manufacturer should fulfill following requirements:</p> <p>(ii) MACHINERY & PLANT: Following machinery and plant of suitable capacity should be available for applicable processes for manufacturing MCS fittings.</p>	<p>As per clause 1.4 and 1.6 of the Specification No TI/SPC/OHE/MCS/0150 REV1- the Indian railways will conduct a trial of 6 months and based on feedback from user railway, RDSO reserves the right to freeze/standardize any particular design or may provide its own design which shall be binding to all the manufacturer. Hence there will be no certainty in the process of manufacturing. Since RDSO currently does not have a fixed design/drawing for MCS as its a new development for Indian railways. Different companies have different design and so it is uncertain what will be the suitable design for Indian condition and RDSO requirement in such scenario investing on machines for casting/forging/extrusion should not be mandatory and should be forced on manufacturer to comply after the successful field trials of their design or RDSO standardized any particular design. This will help manufacturer to decide correct manufacturing process to achieve quality product and optimize cost of the final product.</p>	<p>Not accepted as different machinery and plant are mentioned in para 2.0(ii) of STR according to manufacturing process.</p>
3.0	<p>TESTING FACILITIES: Manufacturer should have adequate facility to test the raw materials as well as the finished product as follows:</p>	<p>OK. There would be more testing machines required to test the complete assembly. A special test jig will be required to check complete assembly.</p>	<p>Not accepted. It is developmental item. Based on field experience, more testing facilities can be added.</p>