

Dated, the 15.02.2021

Reasoned documents for uploaded draft Specification TI/STR/024 (Rev.2)

A draft STR No.TI/STR/024 (Revision.2) of Short Neutral Section Assembly, Light Weight Section Insulator Assembly, was uploaded for one month on RDSO website for comments and suggestion. Following remarks have been received from manufacturers/firms.

S. N.	Uploaded STR	Comments by firms	RDSO Remarks
M/s PPS International Noida		letter no PPS/AF/NS-STR/20-21/001	07 <sup>th</sup> July 2020.
1.	2.0 (viii) Oven	This item should be made non-essential if not manufactured in-house  <b>Explanation:</b> If the vendor is getting insulating components from the sub-supplier then Oven is not required so this should also be added in the Note 1.	Oven is required to manufacture insulator rod only  Hence it has been added in note 1 of STR for outsourcing.  Accepted
2.	3.0-A (Note: 1)	Note: 1. If the chemical laboratory as mentioned at 3.0-A and the test facilities as mentioned at S.N. 3.0-B ( (ii) , (iv) to (xii)) & S.N. 3.0-C (iv) for fittings are not available in house then it can be out sourced to a NABL accredited laboratory and manufacturer has to submit the references of laboratories.	Since pulsating load test machine proposed for deletion hence Agreed and accordingly changes made in note 1 of 3.0-(A).
M/s Arthur Flury Switzerland			
1.	2.0 (ii)	Trichloroethylene Bath <b>or environmentally responsible alternative.</b>	Accepted , it will be incorporated in the revised draft STR
2	2 (ix)	Ladles for pouring molten metal <b>(It is not required if work of this shall be done by other means )</b>  Explanation: it should not be allowed to use casting material as it can be very brittle and often leads to premature failure due to formation of blow holes the quality control is very difficult.	Accepted and changes made in STR accordingly
3	-	The firm should ensure compliance with environmental management system such as ISO 14001.	Not accepted The firm should ensure ISO 9001:2015 as per RDSO apex ISO documents

405374/2021/O/o	PED/TI/RDSO	The firm should ensure compliance with occupational health and safety management system such as OHSAS 18001	Not applicable in India Hence not accepted
	-	The firm should ensure compliance with international railway industry standard IRIS ISO/TS 22163	Not accepted because for quality control already ISO 9001 mentioned.
M/s Atlantic trade link Pvt. Ltd			
1	2.0 (ii) Trichloroethylene Bath	Forbidden in France	Not accepted since Environmentally responsible alternative. Shall be incorporated that shall be available at your works.
2	3 (A) Chemical laboratory with adequate facilities and staff strength to test the raw materials and finished products.	Note1: Sub-supplier certificate ISO accreditation of our sub-supplier or test done by Reputed third party laboratory.	It is covered in note 1 of 3.
3	3(B) note 1 Note: 1. If the chemical laboratory as mentioned at 3.0-A and the test facilities as mentioned at S.N. 3.0-B ((ii),(iv) to (xii)) & S.N. 3.0-C (iv) for fittings are not available in house then it can be out sourced to a NABL accredited laboratory and manufacturer has to submit the references of laboratories.	In foreign countries Labs are not NABL accredited so reputed third party should be Allowed.	Accepted, in place of NABL.  NABL or equivalent shall be incorporated in STR
4	3 (ix) Water diffusion test set up (for test of core material) as per IEC: 61109 (Figure 2.3 and 4).	Note 1. No picture 2.3 and 4 in the IEC Standard  Not applicable	Accepted The clause will be modified as per IEC
5	3 (xi) Equipment to conduct sudden load release test at -20oC to -25oC. Arrangement shown in Fig B-1 of IEC: 61109 may be adopted with suitable device for this test	Not applicable.	Not accepted because It is required in design test of insulator rod/ insulators.
6	3 (iv) Magna flux testing machine	Not applicable	Not accepted because It is required to detect crack in casted part. Hence it is not accepted

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7	4.2 The firm should have acquired ISO: 9000 certification for the product for which an approval is sought and the product should be broadly covered in the scope of the certification for Manufacture and supply.	Minimum ISO 9000 or better Certification like ISO 9001.	Accepted The clause will be modified accordingly
8	4.3 Quality manual of the firm for ISO: 9000 should clearly indicate at any stage the control over manufacturing, quality control and testing of the said product.	Minimum ISO 9000 or better certification like ISO 9001	Accepted, the clause will be modified accordingly.
6	(iv) Magna flux testing machine	Not applicable	Not accepted because It is required to detect crack in casted part. hence it is not accepted