

**RESEARCH DESIGNS & STANDARDS ORGANISATION**  
(Traction Installation Directorate)

Reasoned Document for Draft Schedule of Technical Requirement (STR) No. TI/STR/010, Rev-01 for approval of Vendors for supply of Porcelain Insulators.

Only those clauses has been mentioned on which any of the firm has commented.

SN.	RDSO STR clause & description	Comments by the Firm	RDSO Remarks
1.	Clause 7.0: Testing Facilities	<b>M/s Modern Insulators Ltd:</b> Under cl. 7.0 Testing facilities, "Galvanizing test facility" shall be added.	Accepted. (in line with the RDSO specification no. ETI/OHE/13(4/84) with A&C Slip no. 1 to 4 or latest).
2.	Clause 3.0: Machinery and Plant (x) Boring and turning lathes	<b>M/s Aditya Birla Insulators:</b> Our only comment is that since Hollow Insulator is not part of the STR therefore the term "Boring" in CI no 3.0 (Plant & Machinery) point no 'x' needs to be removed and only Turning Lathe will remain.	Accepted and modified accordingly.
3.	Clause 3.0: Machinery and Plant	<b>M/s Bikaner Ceramics Pvt.Ltd.</b>	
	(ix) Blank drying chamber	Blank Drying chamber for Solid Core/ Hollow/ Railway Insulators only.	<b>Accepted</b> (Blank Drying chamber for Solid Core insulator only)
	(x) Boring and turning lathes	Boring and turning lathes for Solid Core/Hollow/ Railway Insulators only & Copying/ Shaping machines for Disc Insulators.	<b>Accepted</b> (Turning lathes for Solid Core insulator only and Copying & Shaping machines for Disc Insulator).
	(xiv) Shuttle kilns.	Shuttle Kilns for Solid Core/ Hollow/ Railway Insulators and Tunnel Kilns for Disc Insulators.	<b>Not accepted</b> Shuttle kiln are required for Excellent temperature control.
	(xv) Cutting & grinding machines.	Cutting & grinding machines for Solid Core/ Hollow/ Railway Insulators only.	<b>Accepted</b> (Cutting & grinding machines for Solid Core Insulator only).
	(xvi) Chamfering machine.	Chamfering machine for solid	<b>Accepted</b>

		Core/ Hollow/ Railway Insulators only.	(Chamfering machine for solid Core Insulator only)
	(xviii) Cement injecting machine	Cement injecting machine for Solid Core/Hollow/ Railway Insulators only and Capping machine & Vibration table for Disc Insulators.	<b>Accepted</b> (Cement injecting machine for Solid Core Insulator only and Capping machine & Vibration table for Disc Insulator).
	Clause 7.0: Testing Facilities (ii) Ultrasonic testing machine	Ultrasonic testing machine for Solid Core/ Hollow / Railway Insulators only and Hydraulic Press Test machine for Disc Insulators.	<b>Accepted</b> (Ultrasonic testing machine for Solid Core Insulator only and Hydraulic Press Test machine for Disc Insulator).
4.	Clause 8.2: Quality manual of the firm for ISO: 9001:2015 should clearly indicate at any stage the control over manufacturing and testing of the said product.	-----	Deleted.