

Technical specifications of OFHC copper tubes:

S.No	Description	Specification
1.	Material	OFHC Copper (99.99% Cu) Note: A material certificate approved by NABL or similar organization must be supplied by vendor
2.	Oxygen (O ₂) content	Less than 10 ppm
3.	Shape of the tube	Circular
4.	Size of the tubing and quantity	
4.1	4mm (OD) x 1mm(thick) x 5m(length) -- 03 No.	
4.2	5mm (OD) x 1mm(thick) x 5m (length) – 03 No.	
4.3	6mm (OD) x 1mm(thick) x 5m (length) – 03 No.	
5.	Tolerance on diameter	± 0.002
6.	Tensile strength	Better than 222 N/mm ² Note: A certificate as per ASTM standard shall be provided
7.	Operating temperature range	-40°C to +120°C
8.	Proof pressure rating	~ 100 bar Note: A test certificate approved by NABL or similar organization shall be provided
9.	Cleaning requirements	Compliance with cleanliness requirements stated in ASTM B188 standards. Note: A certificate should to be submitted
10.	Surface condition	Smooth, clean and free from scratches

General requirements:

1. One-to One Compliance: The supplier shall provide printed catalogue of the tubes providing detailed specification and one-to-one compliance table as per the technical specifications. The offer should be complete with compliance statement for each of the specifications, offering features, and safety features. Indicating merely 'YES', 'NO' or OKAY' in the compliance statement will not be considered

2. Warranty: The tubes should be warranted for 1 year against any defect in material of workmanship.
3. Delivery period: Within 24 weeks from the date of PO release.

Technical comparative statement

ISRO specifications			Vendor compliance
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