

CORRIGENUDM – 2

Tender Ref. No: GT9/ABHI/2023/10/CRYOSTATMET

Tender Name: Cryostat Magneto-Electrical Transport

Corrigendum details: Extension of Bid Submission Date and Amendment in Technical Specification

Extension of Bid Submission Date

The due date for the submission of bids has been extended to 10/03/2023 @ 3 PM. The bid opening is 10/03/2022 @ 5 PM.

Amendment in Technical Specification

This corrigendum-2 document should be read with the main tender document annexure 1 and corrigendum-1. The points mentioned below in this document replace the corresponding points in the annexure 1 and corrigendum-1.

	<p>General Statement: vendors should quote for 3 variable temperature inserts:</p> <p>Insert 1: VTI should be capable to measure in the temperature range of 1.6K to 300K. It should have LCC 40 or higher pin connector. It should have four semi-rigid coax lines (UT85 SS-SS, frequency up to 18GHz) with SMA connector on one end and suitably terminated at the sample end.</p> <p>Insert 2: variable temperature insert with sample rotation (VTI-SR).</p> <p>This VTI-SR should allow the measurements in the temperature range of 1.6K to 300K. It should have LCC 40 or higher pin connector. It should allow rotation of the sample about a horizontal axis over the angular range of 0 to 180° or 0 to 360° such that the sample is always under the uniform magnetic field. (Optional: Quote for 4 coax lines as mentioned for insert 1)</p> <p>Insert 3: ³He Variable temperature sorption insert (3H-VTSI).</p> <p>This insert should allow the measurements from 300 mK to 300K. The 3H-VTSI should allow the electrical measurement in parallel and perpendicular magnetic fields. (Optional: Quote for sample rotation.)</p>		
S.No	Technical Specifications	Complied / Not Complied	Reference Page No
2.2	(iii) should be read as: The VTI should be fitted with 40-pin or higher chip carrier sample holder preferably having ESD protection.		
	(v) should be read as: A minimum of 19 or higher twisted pairs of resistive wiring should be provided with one end wired to the chip carrier sample holder and the other end soldered at the two 24-pin Fisher connectors.		
2.4	³He Variable temperature sorption insert (3H-VTSI)		
	(v) should be read as: Capacity of ³ He in 3H-VTSI must be at least 2.7 L or higher such that the hold time and cooling power requirements as mentioned in 2.4 (i-iv) are met easily.		

	<p>(vi) should be read as: The 3H-VTISI should allow the electrical measurement in parallel and perpendicular magnetic fields.</p>		
	<p>(viii) should be read as: One 24 pin Fischer connectors should be provided to couple the electrical leads outside the 3H-VTISI. Additionally a separate suitable Fischer connector(s) should be provided for taking the electrical leads for heater and temperature sensor. All Fischer connectors must be hermetically sealed type. A minimum of 12 or higher twisted pairs of resistive wiring should be provided with one end wired to the chip carrier sample holder and the other end soldered at the 24-pin Fisher connector.</p>		
2.11	Optional Items: To be submitted on a separate quote		
	<p>(vi) New point added The 3H-VTISI should allow rotation of the sample about a horizontal axis over the angular range of 0 to 90° or higher such that the sample is always under the uniform magnetic field. Sample rotation should be done using stepper motor and associated controller. Angular resolution should be 0.5 degree or better. It must have the necessary protection mechanism from being rotated beyond the specified angular ranges.</p>		
2.12	Other Terms And Conditions		
	<p>(iv) New point added Delivery and installation of the complete system should be completed within 8 months from the date of release of purchase order. (v) In the financial bid, price break up of each individual module should be quoted.</p>		