

FORM TO BE FILLED BY IO WHILE CONVENING PRE-BID MEETING OF TSC.

File No:- 14-VIII/HM (43-PAC)/25PB

Date: 02-12-2025

Pre-bid Meeting (To be typed clearly by the I/O)

Name of Indentor: **Hansraj Meena**

Indent No.: **14-VIII/HM (43-PAC)/25PB**

Item Description: **Triple Point of Argon with Realization Apparatus and LN2 Circulator bath**

No. of Budgetary Quotes: 01

(1) A pre-bid meeting of TSC was held on: 02-12-2025

(2) Following queries were raised by participating Bidders:

Name of the Firm	Queries Raised	Remarks, if any
M/s Fluke Technologies Pvt ltd , Bengaluru - 560 092	NIL	NIL

Indentor's Recommendation

1. The comments, as received from bidders during PBC, and our response is as follows:

Tender Specification and its number	Comment of bidder	Response of Indentor (Accepted/ Not accepted)	Revised specification (If any)	Justification for non-acceptance

Final recommended specifications are as attached at Annexure 1 and signed by I/O:

Corrigendum to Tender may be issued/ may not be issued.

Recommended Revised Date of Tender submission (if any) is _____

The specifications are generic and broad based.

Submitted to TSC for necessary approvals.

FORM TO BE USED BY TSC FOR FINALISING PRE-BID MINUTES

File No. 14-VIII/HM (43-PAC)/25PB

Date: 02-12-2025

TSC Minutes (To be typed clearly by the I/O)

Based on the Pre-bid meeting and recommendation of I/O, following changes have been made in the specifications:

Original Specifications	Final Specifications
As per Annexure-I	No Change

The file is forwarded to Purchase Section for uploading the final specifications and TSC minutes on the website and CPPP Portal.

Declaration: We hereby declare that we have no conflict of interest with any of the bidder in this tender

Annexure-I

Triple Point of Argon with Realization Apparatus and LN2 Circulator bath

Specifications: -

Fixed Point Temperature: $-189.3442\text{ }^{\circ}\text{C} \pm 0.00025^{\circ}\text{C}$

Argon Gas Purity: 99.9999% or better

Argon Cell Immersion Depth: 150 mm or Higher

Display Resolution: 0.001°C

Immersion Depths: 480mm

Radial Uniformity: 0.00005°C

Accuracy: $\pm 0.0003\text{ }^{\circ}\text{C}$ or better

Entrant Well Inner Diameter ID: 8 mm or Higher

Plateau Duration: 24 Hrs or Higher

Power: As per Indian Standards

Calibration: As per ISO IEC 17025: 2017 or NMI Traceable Certificate

LN₂ Circulation Bath System (50 Ltr Capacity) should be supplied along with TP of Argon Apparatus

Warranty: One Year

Installation: Installation will be done by Supplier at CSIR-NPL.

Acceptance Criteria: All quoted capabilities shall be demonstrated at CSIR-NPL, New Delhi.

Delivery: FOR CSIR-NPL New Delhi

Service Support and Spares should be available up to 7 Years.