

05-06-2026

### Minutes of Pre-Bid Meeting (Global Tendering)

फाइल क्र./File No.: PUR/EQP/76(2025-26)

#### विषय: High Resolution Physisorption Analyser

A Pre-bid meeting regarding the procurement of the instrument was held on 05-06-2026 from 10.00 AM onwards in the conference room of CSIR- AMPRI, Bhopal

Representatives of three instrument manufacturing companies attended the meeting via offline and Online mode and their details are given below-

- 1) M/s Malvern Panalytical Gurgaon represented by Mr Kunal Sharma and Mr Jaideep Parchure ( Online Mode)
- 1) M/s Anton Parr India Pvt Ltd, Gurugram, represented by Mr. Anurag Maurya, (Offline Mode)
- 2) M/s Verder Scientific Pvt.Ltd. Ghaziabad, represented by Mr. Shailender Pal Singh (Offline Mode)

During pre-bid meeting firms has raised following queries that have been replied by the committee member:

#### M/s Malvern Panalytical, Gurgaon

S/No.	Indent Annexure Points	Amendment Desired/Queries	Response
1	Point no. A (11) Dead volume correction I. Provision to correct the dead volume Change without any need to maintain the liquid Nitrogen level	Free space error should be mitigated either by compensation or by maintaining liquid nitrogen temperature constant throughout the gas adsorption analysis.	<u>Modification suggested by committee</u> Point no. A (11) Dead volume correction I. Either provision to correct the dead volume change without any need to maintain the liquid Nitrogen level or provision to compensate it
2	Point no A (13) Degassing and sample preparation Degassing unit having capability for pre-treatment / degassing minimum 6 samples simultaneously. The Instrument must have 6 or more with external	The Instrument must have 6 or more with external or internal degassing stations with access to separate vacuum pump.	<u>Modification suggested by committee</u> Point no. A (13) Degassing unit having capability for pre-treatment / degassing minimum 6 samples simultaneously. The Instrument must

	degassing stations with access to separate vacuum pump.		have 6 or more with external or internal degassing stations with access to separate vacuum pump.
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**M/s Anton Parr India Pvt Ltd, Gurugram**

S/No.	Indent Annexure Points	Amendment Desired/Queries	Response
1	Point no A (7)  Pressure Transducer Accuracy I. $\geq 1000$ torr $\pm 0.50\%$ reading or better II. 10 torr $\pm 0.50\%$ reading or better III. 0.1 torr $\pm 0.50\%$ reading or better	I. $\geq 1000$ torr $\pm 0.15\%$ reading or better II. 10 torr $\pm 0.15\%$ reading or better III. 0.1 torr $\pm 0.15\%$ reading or better  Current tender specification seems, there are downgrading the accuracy which is only +/- 0.5% or better. Earlier tender it was mentioned +/- 0.15% or better which is better than current tender.	No Modification suggested by committee
2	Point no A (13) Degassing and sample preparation	Please amend as Software Controlled Degassing instead of only Degassing. Software Controlled Degassing have advantages like: Automatic Termination, Degassing Data Logging, Degassing Report Generation. Safe from sample overheating/degrading.	No Modification suggested by committee

**M/s Verder Scientific Pvt.Ltd. Ghaziabad**

S/No.	Indent Annexure Points	Amendment Desired/Queries	Response
1	Point no A (8) Temperature Control 45 °C, $\pm 0.05$ °C with 3 or more number of RTDs helps to avoiding condensation of vapors and maintaining good reproducibility of results	Request to make changes as follows.  Temperature Control 45 °C, $\pm 0.05$ °C or more with 1 or more number of RTDs help avoiding condensation of vapors and maintaining good reproducibility of results	No Modification suggested by committee

## Other Amendments

S/No	Indent Annexure Points	Amendment
1	<p>Point no A (5) Analysis Gases System compatible with N<sub>2</sub>, O<sub>2</sub>, Ar, He, Kr, CO<sub>2</sub>, CO, CH<sub>4</sub>, C<sub>4</sub>H<sub>10</sub>, H<sub>2</sub> and any other non-corrosive gases (Internal plumbing should have chemical compatibility for above mentioned gases)</p>	<p><u>May be read as</u> System compatible with N<sub>2</sub>, O<sub>2</sub>, Ar, He, Kr, CO<sub>2</sub>, CO, CH<sub>4</sub>, C<sub>4</sub>H<sub>10</sub>, H<sub>2</sub> and any other non-corrosive gases (Internal <b>plumbing</b> should have chemical compatibility for above mentioned gases)</p>
2	<p>Point no A(14) Software Windows based operating software for analysis. Suitable software compatible with system</p> <p>I. Software should have the provision to measure the pore volume, pore area for mesoporous samples based on BET specific surface area, Langmuir specific surface area, BJH, DH, Cl, INNES or equivalent method.</p>	<p><u>May be read as</u> Software Windows based operating software for analysis. Suitable software compatible with system</p> <p>I. Software should have the provision to measure the pore volume, pore area for mesoporous samples based on BET specific surface area, <b>Langmuir</b> specific surface area, BJH, DH, Cl, INNES or equivalent method</p>

Other Technical Specification and terms and condition of the tender document will remain same.