

**GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
SOLID STATE PHYSICS DIVISION**

Ref: BARC/SSPD/2018/1039

September 06, 2018

Sub: Minor fabrication: Invitation for quotations for Supply, Installation and Commissioning of Gas Purification and Controller System with Gas Lines for High Temperature Furnaces for (i) Impedance Spectroscopy and (ii) sample synthesis Labs, SSPD, BARC.

Quotations are invited for materials as given in attached specification sheet.

Kindly submit your offers along with detailed terms and conditions to **Head, Solid State Physics Division, BARC, Mumbai-400085** on or before **September 20, 2018** in a sealed envelope super scribed with the above reference number and due date given above by Indian post only.

The address on the envelope should read: Head, Solid State Physics Division, BARC, Mumbai-400085. Attn: Dr. A. K. Bera

Terms and conditions:

- 1) The items should be delivered only after pre-despatch inspection carried out to the users' satisfaction for acceptance and for certification of the completion of this order, in all respects.
- 2) **Delivery:** This work order shall be executed within three months from the date of its receipt; the work order may please be acknowledged. **Material is to be delivered to North Gate, BARC, Mumbai - 400085.**
- 3) **Guarantee:** Items supplied/work executed shall be guaranteed against quality material/workmanship for satisfactory intended operation, for a period of 12 months from the date of execution of this order.
- 4) Taxes and excise duties shall be quoted separately.
- 5) **Payment terms:**
Payment in general is made within 30 days of the completion of the order and on production of bill in triplicate along with an advanced stamp receipt for the bill amount and guarantee certificate referred to (3) above.
- 6) Head, SSPD reserves the right to accept /reject any or all quotations without giving any reason.
- 7) **Confidentiality & Publicity Clause**
No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party. This clause shall apply to the sub-contractor, consultants, advisers or employees engaged by a party with equal force.
- 8) **"Restricted information" categories under Section 18 of the Atomic Energy Act, 1962 and "Official Secrets" under Section 5 of the Official Secrets Act, 1923:-**Any contravention of the above-mentioned provisions by any contractor, sub-contractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.
- 9) **Prohibition against use of BARC's name without permission for publicity purposes:-**The contractor or sub-contractor, consultant, advisor or the employees engaged by the contractor shall not use BARC's name for any publicity purpose through any public media like Press, Radio, T.V or Internet without the prior written approval of BARC.

Enclosed: Specifications of gas purification and controller system with gas lines.

Head

Solid State Physics Division

Md. Junaid C. 9. 18

डॉ. एस.एम. यूसुफ/Dr. S. M. Yusuf

अध्यक्ष, एस.एस.पी.डी. /Head, SSPD

भारत सरकार, भा.प.अ.केंद्र/Govt of India, BARC

ट्रॉम्बे, मुंबई ४०००८५/Trombay, Mumbai 400085

Annexure-A

Specification for Gas Purification and Controller System with Gas Lines for High Temperature Furnace

(i) Impedance Spectroscopy Lab

- Dimension Tolerance, Non Corrosive High Alloy Pressure Manifold System.
N₂, Ar and O₂ Gases (Total quantity: 03 Nos.)
- Matric Designator Based Flexible Hose as per Blanketing Flow .
N₂, Ar and O₂ Gases. (Total quantity: 03 Nos.)
- Dimension Tolerance, Non Corrosive High Alloy Blanketing High Flow Regulators
N₂, Ar and O₂ Gases (Total quantity: 03 Nos.)
- Dimension Tolerance, Non Corrosive Blanketing High Flow Flash Back Arrestor .
O₂ Gas (Total quantity: 01 Nos.)
- Dimension Tolerance, Non Corrosive Blanketing High Flow Non Return Valves.
N₂, Ar and O₂ Gases (Total quantity: 03 Nos.)
- Non Corrosive, High Alloy, Moisture, Hydrocarbon, Oxygen Trap System (up to PPM Level) with Wika Gauge and High Flow Regulators.
N₂, Ar and O₂ Gases (Total quantity: 03 Sets)
- High Alloy 1 Micron, 3 Micron & 5 Micron Filters.
N₂, Ar and O₂ Gases (Total quantity: 03 Nos.)
- Matric Designator Based, Dimension Tolerance, Non Corrosive Blanketing Tube of 6.355mm High Alloy with wall thickness of 0.6mm compatible to above High Alloy Pressure manifold, Non Corrosive PPM Trap System for HTCC Furnaces (Total quantity: 150 feet).
- Matric Designator Based, Dimension Tolerance Blanketing Cylinder Holders for four gas cylinders as per International Design with Metallic Covered Grills for Safety Purpose (Total quantity: 01 set).
- Non Corrosive High Alloy Oxygen PPM level special filter suitable for 10kg/cm².
N₂ and Ar Gases (Total quantity: 02 sets).

(ii) Sample Synthesis Lab

- Dimension Tolerance, Non Corrosive High Alloy Pressure Manifold System.
N₂, Ar and O₂ Gases (Total quantity: 03 Nos.)
- Matric Designator Based Flexible Hose as per Blanketing Flow .
N₂, Ar and O₂ Gases. (Total quantity: 03 Nos.)
- Dimension Tolerance, Non Corrosive High Alloy Blanketing High Flow Regulators
N₂, Ar and O₂ Gases (Total quantity: 03 Nos.)
- Dimension Tolerance, Non Corrosive Blanketing High Flow Flash Back Arrestor .
O₂ Gas (Total quantity: 01 Nos.)
- Dimension Tolerance, Non Corrosive Blanketing High Flow Non Return Valves.
N₂, Ar and O₂ Gases (Total quantity: 03 Nos.)

- Non Corrosive, High Alloy, Moisture, Hydrocarbon, Oxygen Trap System (up to PPM Level) with Wika Gauge and High Flow Regulators.
N₂, Ar and O₂ Gases (Total quantity: 03 Sets)
- High Alloy 1 Micron, 3 Micron & 5 Micron Filters.
N₂, Ar and O₂ Gases (Total quantity: 03 Nos.)
- Matric Designator Based, Dimension Tolerance, Non Corrosive Blanketing Tube of 6.355mm High Alloy with wall thickness of 0.6mm compatible to above High Alloy Pressure manifold, Non Corrosive PPM Trap System for HTCC Furnaces (Total quantity: 300 feet).
- Matric Designator Based, Dimension Tolerance Blanketing Cylinder Holders for four gas cylinders as per International Design with Metallic Covered Grills for Safety Purpose (Total quantity: 01 set).
- Non Corrosive High Alloy Oxygen PPM level special filter suitable for 10kg/cm².
N₂ and Ar Gases (Total quantity: 02 sets).

For details and clarification please contact
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