

दूरभाष :
TELEPHONE : 5505050/00/10,5563120 extn.4852
तार : बार्क—मुंबई, चेम्बुर.
TELEGRAMS: BARC-MUMBAI, CHEMBUR.
टेलिक्स : ०११-६१०१७/०११-६१०२२ बार्क ईन
TELEX: 011-61017/011-61022 BARC IN
फेक्स संख्या : ९१-२२-५५६०७५०
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सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र
BHABHA ATOMIC RESEARCH CENTRE

ट्रॉम्बे,
मुंबई-४०० ०८५.
TROMBAY,
MUMBAI-400 085.

Ref: UED/PL.13/17/ 1637

22.08.2017

To,

Subject: Modification and Carbon Molecular Sieve replacement in Nitrogen plant in RUMP, UED.

Tender no: BARC/UED/SSK/ 17098 due on: 12.09.2017

Dear Sir,

Quotations are invited in sealed envelope for and on behalf of The President of India acting through Head, UED for the above stated subject job as per the following terms and conditions. Please note that quotations shall be submitted through speed post on printed letter head and must bear PAN no/GST no etc. Quotations not complying with them are liable to be rejected.

Scope of work:

1. Job Description:

- Material Procurement.
- Submission and approval of material certification
- Fabrication of material as per drawings and dimensions.
- Inspection and testing of finished material at vendor site.
- Supply of material at site.
- Installation and testing at site.
- Guarantee certificate

2. Modification in Nitrogen Plant (Capacity: 10 m³/hr) at UED.

This job involves,

- Pneumatic operated Angle seated valves are to replace with pneumatic operated Diaphragm valves and Dome valves.
- Accordingly solenoid valves, pneumatic tubing's are to be replaced.
- All replaced Valves/Lines are to be pressure tested 8 kg/cm².
- Any other job, not mentioned but necessary for successful running of Nitrogen plant.

Description of items for this work is as follows,

- **Diaphragm Valve:**
Size: 1"NB,
Type: Air to close
Diaphragm –Neoprene,
Pneumatic Air Port Size: ¼" BSP,
Working Pressure: 0-9Kg/Cm²;
Pneumatic pressure: 7 kg/cm²
Quantity: 12 no's
- **Dome Valve:**
Type: Air to open,
Size: 1"NB,
Working Pressure: 0-9 kg/cm²
Pneumatic pressure: 7 kg/cm²
Quantity: 6 no's
- **Solenoid Valve:**
Port: 3/2
Size ¼", Voltage: 24 V
Normally Open
Quantity: 08 no's
- **Diaphragm:**
MOC: Neoprene,
Pressure rating: 10 kg/cm²
Quantity: 6 no's
- **PU tube:**
Size: 6mm (OD) × 4 mm (ID)
Working pressure: 0-10kg/cm²
Quantity: 4 meter
- **Connector:**
¼" bsp to 6mm
Quantity: 8 no's

3. Carbon Molecular Sieve replacement in Nitrogen Plant. UED.

Carbon molecular sieve in PSA towers of Nitrogen plant has to be replaced with new Carbon molecular sieve.

This job involves,

- Removal of old carbon molecular sieve, ceramic ball's, activated alumina from Both PSA tower's of Nitrogen plant.
- Filling of new carbon molecular sieve, ceramic ball's, activated alumina, Coconut fibre's with proper sequence in both PSA tower's of Nitrogen plant.
- Pressure testing of both PSA tower's at 8 kg/cm².

- Any other item, not mentioned but necessary for successful running of running of Nitrogen plant.

Description of items for this work is as follows,

- Ceramic Ball:
Size: 12 –14mm,
Grade: chemical.
Quantity: 20 kg
- Carbon Molecular sieve,
Grade – Nitrogen,
Make –Kurare Equivalent
Quantity: 160 kg's approx.
- Any other item, not mentioned but necessary for successful running of Nitrogen plant.

4. Test run of Nitrogen plant.

This job involves,

- After replacement of valves and carbon molecular sieve Nitrogen plant has to be tested for desired purity (99.95%).
- Schedule for Carbon molecular Sieve topping in both PSA tower's has to be submitted by Vendor and accordingly topping of Carbon molecular Sieve to be completed.

- **Note:**

1. **Free Issue Material:** There will be no free issue material from BARC. Quotation asking for free issue material will be subject to rejection.
2. **Facility available:** Free Electricity, water and general workshop facility.
3. **Charges:** Basic cost, taxes, Govt. levies and transportation. Complete breakup may please be given in the offer.
4. **Job completion period: Within 60 days.**
5. **Guarantee:** You shall give guarantee against any manufacturing defect and trouble free performance for a period of one year from the date of fabrication/modification.
6. **Deduction of Income taxes: Income Tax @ 2% will be deducted from your bill.**
7. **Payment:** 100% through ECS after satisfactory completion of work and submission of the following documents. Octroi duty and excise duty exemption certificate will be issued if asked for in the offer.
 - a. Original Invoice
 - b. Delivery challan
 - c. Guarantee certificate
 - d. Advance stamped receipt
 - e. ECS mandate form
 - f. GST undertaking

Please note that any delay, which is attributable to the party, is liable to penalty @ 0.5% per week (max. 5.0%) to be imposed on the contractor.

TERMS AND CONDITIONS:

Note: [Reference: (2/Misc-9/Lgl/2001/92 dated April 30, 2001, BARC)]

- I. **Confidentiality: No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as “Propriety” 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-contractors, consultants, advisers or the employees engaged by a party with equal force.**
- II. **“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.
- III. **Prohibition against use of BARC’s name without permission for publicity purposes:**
The contractor or sub-contractor, consultant, adviser 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.

Quotations should reach on or before the stipulated date to Head, UED in sealed envelope through speed post mentioning clearly the tender no and due date.

Thanking you,

S.S.Kulkarni,SA/E

Dr. Y.S.Ladola,SO/F