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सत्यमेव जयते

भारत सरकार

Government of India

भाषा परमाणु अनुसंधान केन्द्र

Bhabha Atomic Research Centre

उच्च ताप रिएक्टर अनुभाग

High Temperature Reactor Section

हाल - 7,
ट्रोम्बे,
मुंबई - 400 085,
HALL No. 7,
TROMBAY,
MUMBAI - 400 085

Ref. No.: RDDG/HTRS/KKP/AMC/01/ P 11778 /2021

Date: 26/10/2021
28/10/2021

Dear Sir(s),

Sub: **Invitation to quote for Annual Maintenance Contract (AMC) for three years for nitrogen generator as per attached enclosure.**

Sealed quotations are invited by Head, HTRS on behalf of the President of India for Annual Maintenance Contract for Three years of nitrogen generator (M&M: Summits Hygronics Private Limited., NN001 CQ, 1 Nm³/hr) - Qty: 1 No: as per terms and conditions mentioned in Annexure- I and as per requirement given below:

General Notes:

1) Number of services:

Model/serial no.	Contract period	Years	No. Normal service per year	No. Of breakdown service per year	Total no. of visits per year
Nitrogen generator, Make: Summits Hygronics Private Limited., NN001 CQ	3 years	1 st year	1	1	2
		2 nd year	1	1	2
		3 rd year	1	1	2
Total			3 nos.	3 nos.	6 nos.

- I. Normal Service: The normal service of the machines would be preventive maintenance type.
 - II. Breakdown Maintenance Service: To repair and rectify machine issue in case of major fault or breakdown.
- 2) Quotations have to be submitted on printed letter head and the rates shall be typewritten only and handwritten rates shall not be considered.
 - 3) Cost of spares: List of spares is given in Annexure II. Cost of spares will be reimbursed against your invoice. Please submit the cost of spares with quotation. The basic price, GST and other levies to be mentioned separately.
 - 4) The basic amount and service tax be quoted separately. Service tax registration number, PAN number, GST number and seal of the firm should be clearly included in the quotation.

- 5) The quotations must reach, **Head, HTRS, Engg. Hall-7, BARC, Trombay, Mumbai 400085** by 15/11/2021. Quotations will open on 16/11/2021.
- 6) The quotation should be send by **speed post only**. Hand delivered quotations will not be considered.
- 7) The above mentioned **Reference no. Date and time of opening of bids** must be clearly written on the sealed envelope containing the quotation.
- 8) Payment will be made as per rules after completion of the job satisfactorily and advance payment is not possible.
- 9) The offer shall be kept open of acceptance for a period of 30 days from the date of opening of the quotation.
- 10) Head, HTRS reserves the right to accept/reject any or all the quotations received without assigning any reason whatsoever.
- 11) The bidder shall furnish the detailed information regarding whether an ex-employee of BARC is working in their organisation or whether any of their relative is working in DAE/BARC or whether he/she is an ex-employee of DAE/BARC. In case of absence of such information, or wrong information the quotation or contract is likely to be rejected or cancelled.

CONFIDENTIALITY CLAUSES:

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 "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-bidders, consultants, advisers or the employees engaged by the 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:-

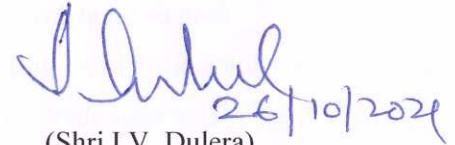
Any contravention of the above-mentioned provisions by any bidder, sub-bidder, consultant, adviser or the employees of a bidder will invite penal consequences under the aforesaid legislation.

III. Prohibition against use of BARC's name without permission for publicity purposes:-

The bidder or sub-bidder, consultant, adviser or the employees engaged by the bidder 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.

Thanking you,

Yours Sincerely,

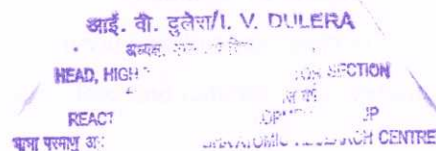

26/10/2021

(Shri I.V. Dulera)

Head, High Temperature reactor Section
For and on behalf of the President of India
(The Purchaser)

Enclosures:

- 1) Annexure-I (Terms & conditions)
- 2) Annexure-II (Spare parts)



Annexure-I
Terms & conditions

1. Scope of AMC: Annual Maintenance Contract for Three years of nitrogen generator (M&M: Summits Hygronics Private Limited., NN001 CQ, 1 Nm³/hr) - Qty: 1 No as per details given below.

2. Service Charges: Service charges accepted shall be firm during the period of contract.

3. Option:

a) While the contract is intended to be valid for a period of three years, HTRS reserves right to terminate this contract by giving a notice of one month and without any financial obligation on the part of this division. In the event of cancellation of the contract for a reason or the other the payment for service carried out will be paid on pro rata basis.

b) Proportionate amount shall be deducted from AMC charges for non servicing period.

4. Emergency call: Emergency/Breakdown call from the user department should be attended immediately but not later than 72 hrs at no extra cost. Minimum 2 man days in a year is required for breakdown services.

5. Scope of work:

- a. Checking and cleaning pre filter elements in the Nitrogen generator.
- b. Checking & cleaning the after filter elements
- c. Checking and cleaning the pre filter Drain trap.
- d. Checking & cleaning the after filter drain valves.
- e. Checking / cleaning the valve for proper operation.
- f. Checking the Actuators for proper function, in case need of service will be done.
- g. Checking the solenoid coil for correct Energize and De- energize as per system commend.
- h. Checking the alumina/Zeolite condition for its properties.
- i. Checking the Programmable e logic controller default functionalities.
- j. Checking the N₂ Purity, Dew point meter for sensing
- k. Checking the timing sequence of valve changeover.
- l. Checking the pressure drop across the dryer, In case leak or pressure drop found analysis will be initiated to resolve the same.

6. Replacement of spare parts: The cost of the spare parts replaced during the currency of contract period will be paid extra at actual. However, the parts may be replaced with the approval of user department regarding the reasonableness of the cost and necessity of replacement. Request for list of common spares needed for proper working may be please be intimated to user department to enable them to stock the same.

7. Payment:

- a) Payment will be made in **three equal instalments**, after successful completion of 2 visits in a year.
- b) Please forward your invoice in triplicate indicating the service contract number and date, for arranging payment.
- c) 100% payment of spares will be released on the receipt of bill of duty certified by the user department indicating spares have been actually replaced and rates are reasonable.

8. Bills:

- a) Bill and cash receipts for payment may be forwarded to the undersigned indicating our contract number for record.

b) Bill for spares replaced during the service contract period may be please be forwarded to Head, HTRS, BARC duly certified by the user department that the spares have been actually replaced and the cost is reasonable.

9. Completion Report:

A completion report may please be forwarded to the office with copy of user department after completion of last servicing but well before the expiry of contract, certifying that the equipment has been serviced as per the terms & conditions of the contract and also with your proposal for extension of the contract if any, indicating our contact no, date for our conversation.

10) Please ensure that our service contract no. is quoted in all correspondence and bill etc.

11) Kindly acknowledge receipt & confirm that the servicing repair will be carried out in terms of the contract.

12) Income tax, surcharge & EDU. Cess as applicable will be deducted from the bills.

13) Bidder may clarify any doubt by contacting **Shri. K.K. Panda**, Ph: 022-25596870, Email: kkpanda@barc.gov.in.

Annexure-II
Common spares

S.N.	Part name for Nitrogen generator, NN 001CQ	Make & Model
1.	Sub micron filter, 0.01 micron	Summit Hygronics Pvt. Ltd., SF 002 DY
2.	Air dryer	Summit Hygronics Pvt. Ltd., SI 002DA
3.	Safety relief valve, spring loaded	Summit Hygronics Pvt. Ltd., 10 bar(g)
4.	Pressure gauge	Baumer, 0-20 bar
5.	Adsorber column	Alumina/Zeolite
6.	Poppet valve	Festo, 10 barg
7.	Diaphragm type pressure holding valve	Summit Hygronics Pvt. Ltd., 5 - 5.5 bar(g)
8.	Oxygen sensor, Galvanic cell	Citi-u k, 0-2000 ppm
9.	Dew point meter, capacitance based, +20°C to -100°C	CS Instruments GmbH & Co, FA500
10.	Glass tube rotameter	Instrumentation engineering Pvt. Ltd., 0-10 Nm ³ /hr
11.	Pressure switch	Danfuss, KP36
12.	Single stage pressure control valve	Baumer, 0-10 bar(g)
13.	Needle valve, ¼" BSPF	Camozzi, RFO 346-1/4