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GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
Desalination Division

Ref: BARC/DD/MTS/SSR/F&R-⁰⁵/2018/

Date: ⁰⁹08/08/2018

To,

Sub: Invitation to submit your quotation

On behalf of the President of India, Head, Desalination Division, Bhabha Atomic Research Centre invites lowest quotation in sealed envelope for the work given below as per the technical specifications enclosed in annexure I.

S. No.	Description of Job	Completion Period
1.	Field Overhauling of 1 no. of existing high pressure triplex plunger pump including repair/replacement of worn-out parts and restoring to operating level at SWRO pilot plant, DD, BARC, Trombay .	Two months from the date of issue of order

The terms and conditions are given below:

1. Qualifying criteria for bidders

- 1.1 Firms willing to bid for above mentioned job shall have been vetted by Security Section of BARC.
- 1.2 All the supervisors and workers should have valid Police Verification Certificate (PVC). The list of manpower available with firm shall be submitted along with their details of PVC.
- 1.3 The past experience of the firm in similar nature in BARC/DAE shall be made available with Work Order copy and satisfactory completion certificate from the user. Also the list on of going jobs inside BARC premises with expected completion period shall be provided.
- 1.4 Interested bidders shall contact the undersigned on Phone No. 2559 4732/4749 (Ext. No. 24732/4749) with above mentioned details for getting the Detailed Tender Specification.

2. The quotation envelope shall be superscripted with **Description of the job and the Tender Ref. No.**, mentioned above.
3. The complete quotation shall reach the following address on or before **24/8/2018 by 11.00hrs** through **Registered Post/ Speed post only**. The quotations will be opened on the next day in Desalination Division,
4. **Printed with Letter Head:** Quotation should be printed on the letter head; computer generated quotation is not valid.

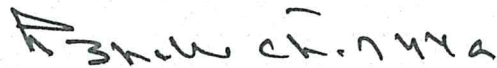
19. **Safety & Security Rule:** The vendor shall follow all the safety procedures as per the normal industrial practice during the execution of the job at site. Any mishap occurring during the work due to unsafe workmanship shall be the vendor's liabilities. Security and transportation rules at BARC, Trombay premises shall be strictly followed.

20. Confidential Clauses:

- i. **Confidentiality :** No party shall disclose any information to any third party concerning 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 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, advisors, 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 of the Official Secret Act, 1923: Any contravention of the above mentioned provisions by any contractor, sub- contractor, consultant, advisor or the employee of a contractor will invite Penal consequences under the aforesaid legislation.
- iii. Prohibition against use of BARC's name without permission for any publicity Purpose. The contractor or Sub contractor, consultant, advisor or the employees engaged by the contractor shall not be use any public purposes through any media like press, TV, or internet, without the prior written approval of BARC



S.S. Ram
SA/E, MTS, DD



K. P. Bhattacharya 08-08-18

Head, MTS, DD

Technical Specification

Name of Work - Field Overhauling of 1 no. of existing high pressure triplex plunger pump including repair/replacement of worn-out parts and restoring to operating level at SWRO pilot plant, DD, BARC, Trombay.

Location: SWRO plant, Desalination Division, BARC, Trombay, Mumbai-400 085.

Scope of Work

1. **Complete Overhauling of 1 no. of RO High Pressure Triplex Plunger Pump (Hiro-Nisha, Model no. HNT 3850/55) including ceramic coating on plunger surface and replacement of worn-out parts viz. gland packing, PTFE bush, piston oil seal, crankshaft oil seal, stuffing box spring, NRV springs, NRV gasket, V-belt and V-belt safety guard at SWRO pilot plant, DD, BARC, Trombay.**

Field overhauling involves the following.

- Partial/complete disassembly of the item.
- Inspection to detect damaged, defective, worn-out parts
- Repair and replacement of worn-out parts
- Reassembly, testing and trial-run to demonstrate the items full operating level.

List of worn-out parts to be replaced/repared

Item No.	Item Description	Quantity
1.	Deteriorated ceramic coating of plunger to removed and fresh ceramic coating to be done of all tree plungers. Plunger size: - Length- 210mm and diameter- 58mm	3 nos.
2.	Gland packing set for tree plunger	3 set.
3.	PTFE bush	18 nos.
4.	Piston oil seal	3 nos.
5.	Crank shaft oil seal	1 no.
6.	Stuffing box spring	03 nos.
7.	NRV spring	12 nos.
8.	NRV Gasket	18 nos.
9.	Rubber V- belt	04 nos.
10.	New Fabrication and Installation of belt guard size 130cm(L)x 60 cm(H)x 16 cm (B) with help of Heavy GI sheet and Grill.	01 no.

Bidder shall quote for the work with all materials required to works completion.

Departmental free issue materials: Water and electricity will be made available free of cost.

Completion period: The Vendor shall note that the time is essence for this project. As such, the bidder should indicate the best completion period in the proposal. It is intended that the entire work shall be completed within 02 (Two) calendar months from the date of issue Work order.