

Bhabha Atomic Research Centre
Atomic Fuels Division
 Technical Services Section

Ref.AFD/TSS /VP/17/199891

Date 13/11/2017

Sub: Tender enquiry for Supply, installation testing commissioning of electrical panel and flow switches on water outlet line and pressure switch on compressed air line along with its field wiring from sensor to panel at AFD

Sealed quotations are invited for and On behalf of President of India, Supply, , testing and commissioning of electrical panel and flow switches on water outlet line and pressure switch on compressed air line along with its field wiring from sensor to panel at AFD as per Specifications and scope of work given below.

Scope of Work:

Sr.No.	Name of items	Qty
1.	<p>Supply, installation testing commissioning of electrical panel at AFD</p> <p>Specifications for Electrical Panel</p> <p><u>Dimension:</u></p> <p>Panel Enclosure (450W X 450H X 250D) along with terminals, wires and appropriate switch gears etc</p> <p><u>Construction :</u></p> <p>a) Partition pole: 1.6mm CRCA b) Frame work: 2mm CRCA c) Doors and Covers : 2mm CRCA d) Base frame: 3mm M.S.Sheet. e) Gland Plate: 3mm M.S.Sheet. f) Painting: powder coated Siemens grey g) Labels: acrylic front engraved black block letters, white background. h) Degree of protection : IP-55</p> <p><u>Technical details</u></p> <p>Panel will consist of following major components</p> <ol style="list-style-type: none"> 1. Level Indicator – Digital Indicator Output : 4 - 20 mA, Alarm 1 Relay, Power supply 240VAC, Size 96x96 mm 2. Alarm Annunciator: Microprocessor based Alarm Annunciator Number of Windows: 8 (With built in Push Buttons) Window Size: 45 X 45 mm Each 3. Electronic Hooter with reset Push buttons.-1No. 4. MCB for mains incomer, MCB for power supply and illumination 5. Panel light and ventilation arrangements 6. Door interlock 	1No.
2.	<p>Supply, installation testing commissioning of flow switches of following Specifications</p> <p>Flow Switch-Paddle type-Magnetic-Adjustable make Mounting : Vertical Line Size : 25 NB (1")</p>	4Nos.

	<p>MOC of T-Fitting : CS Process connection of T-Fitting : 1" BSP (M) Electrical connection : 1/2" NPT(F) Cable Entry Body Material : SS 316 Paddle Material : SS 316 Sealing type : Spring supported paddle Switch type : Micro Switch SPDT Type (5A, 230V AC) Repeatability : +/- 1% Flow Set Point : Adjustable Type Max. Working Pressure : 20 Bar Max Working Temperature : 80 Deg Celsius Enclosure : Die Cast Aluminium Weatherproof to IP67 Medium : Water Flow range : 0 to 50 LPM Set point : 25 LPM</p>	
4.	<p>Supply, installation testing commissioning of pressure switches and its wiring up to control panel OEM SWITCHES : SS 316 & Teflon contact parts Adjustable Range : 1.0 to 15.0 bar Differential : 0.60 bar Max. Working Pressure : 25 bar Max. Working Temp. : 80 degree C Please use impulse tubing for high temperatures. Pressure Housing : SS 316 Pressure Port : 1/4" BSP (F) Diaphragm : Teflon Enclosure : Pressed Steel to IP 40 as per IS 2147 Switch type : 1 SPDT snap action micro switch Switch rating : 5A, 250V AC Calibration Scale : Provided Cable Gland : 3/8" Cable Entry Repeatability : 1.5% FSR</p>	1 No.

Other details:

1. The completion period of this job should be within 3 months from the date of issue of work order.
2. Persons having valid PVC will be allowed to enter BARC to execute the job.
3. Warranty period should be 12 months after completion of work.
4. The payment will be made after the satisfactory completion of the work.
5. Income. Tax and S.C. as applicable will be deducted from the bill. .
6. Any delay which is attributed to the contractor is liable for penalty @1/2% PER WEEK (MAX 5%) will be imposed on contractor.
7. The offer shall be forwarded as per following guidelines:
 - a) Quotations are to be on printed letter head / quotation format which should consist of Sales tax registration number registered with local ST authority/CST authority, PAN of the firm, service tax registration number etc. computer generated Quotation shall be considered as invalid & rejected.
Sealed offer with tender no and due date legibly written on the sealed envelope should reach through speed/register post on or before **28/11/2017**

To,

**Smt. Vaishali Patidar,
Atomic Fuels Division
South Site, BARC
Trombay, Mumbai 400 085.
Tel: 022 25594818/6112
Email: vrb@barc.gov.in**

- b) The contractor shall have to visit the site to comprehend the scope of work and equipment condition. The same will be arranged by the undersigned. The site can be visited between 16/11/2017 to 23/11/2017 on working days between 10:30am to 4:00 pm. however prior intimation of at least three working days is necessary.

The quotation submitted without site visit will not be considered.

Details and Confidentially & Publicity Clause

- I. 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, consultant, adviser or employees engaged by a party with equal force

- II. **“Restricted information” categories under section 18n of the Atomic Energy Act, 1962 and “Official Secret under Section 5 of the Official Secret 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 consequence under the aforesaid legislation.

- III. Prohibition against use of BARC’s name without permission for the publicity purpose:-

The contractor, 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 of BARC. Contractor shall obtain Police verification certificate for all his employees including his supervisors and workers engaged in the work.

**(Vaishali Patidar)
TO/C, TSS**

**(Surendra Kumar)
SO/H, TSS/AFD
For & On behalf of President of India**