

Government of India
Bhabha Atomic Research Centre
Beam Technology Development Group

Ref: BTDG/ATLAF/WORKS/TAB/MF/2021/300/24595

Mumbai - 400 085.

Date 20th 12, 2021

To,

To whom it may concern

Sub: Installation, field wiring, testing and commissioning of vacuum control panel

Invitation of Quotations

DUE DATE: 03/01/2022

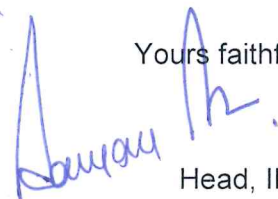
Dear Sirs,

Quotations are invited for the fabrication job as per the enclosed job details.

1. The quotations must reach. **Director, Beam Technology Development Group** by 3rd Jan 2022 and must be sent in a sealed envelope superscribed with the above reference number, subject and due date given above.
2. The address on the envelope should read
(Attn. Tripti A. Barnwal)
To,
Director,
Beam Technology Development Group
BARC, Trombay, Mumbai - 400 085.
3. The bidder may contact on Telephone Nos. +91-22-25596739 or by email at triptib@barc.gov.in for any clarifications in the enquiry.
4. Sealed Quotations should be submitted only through **Registered post/speed post** through Indian Postal Service. Offers sent by telegram, telex, courier, fax or e-mail will not be considered

Group Director, Beam Technology Development Group BARC reserves the right to accept or reject any or all quotations without assigning any reason.

Yours faithfully,



Head, IPDS

Beam Technology Development Group

C.C.: AAO, (WORKS) CC, BARC

Technical Specifications for Installation, field wiring, testing and commissioning of vacuum control panel

1. Scope of Work

The work order is for installation, field wiring, testing and commissioning of vacuum control panel. This works includes laying of control and power cable from field instruments/equipments to control panel. The cables have to be glanded, lugged and terminated at both the ends. Components are to be mounted and wired inside the panel. The detailed scope of work is mentioned below-

Table-1 List of cable to be laid from field instruments/equipments to control panel

1.	2.5 mm ² 3 Core Copper PVC sheathed cable	150 Mtrs.	90 terminations
2	1.5 mm ² 2 Core Copper PVC sheathed cable	200 Mtrs.	150 terminations
3	Vacuum gauge cable	60 Mtrs.	No terminations
4	3 Core RTD cable, 2.5 mm ²	110 Mtrs.	60 terminations
5	2 Core K-Type thermocouple extension cable	150 Mtrs.	80 terminations
6	50 mm ² single core Copper PVC sheathed high current cable	60 Mtrs.	10 terminations

Table- 2 List of components to be mounted and wired inside the control panel.

1	Change over contact relay, 24VDC, single contact	6 nos.
2	Change over contact relays, 24VDC, double contact	6 nos.
3	Signal conditioning module, 24V Phoenix contact (MCR-SL-SL-UI-UI)	10 nos.
4	BMXAMM0600 Schneider Electric PLC module	2 nos.

Table-3 The following 15 pin Amphenol connectors and 3 pin Allied connectors are to be soldered at both the ends (male and female).

1	15 pin Amphenol connectors, male	4 nos.
2	3 pin Allied connector, male	10 nos.
3	3 pin Allied connectors, female	10 nos.

Table-4 Connectorisation of 45 pin instrumentation feed through both the ends. The K Type thermocouple extension cables are to be connectorised at both the ends of the instrumentation feedthrough. The feedthrough and required pins shall be provided from the user's side.

1	45 pin Instrumentation feed through both the ends, male end and female end	1 no.
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Table-5 The following wiring accessories shall be supplied by the contactors

1	Insulated Lugs, 0.5 mm ²	100 nos.
2	Copper ring type lugs for 50mm ² cable with stud hole 10mm	20 nos.
3	Copper ring type lugs for 10mm ² cable with stud hole 4.5 mm	50 nos.
4	Copper ring type lugs for 2.5 mm ² cable with stud hole 2.4 mm	50 nos.
5	PVC Cable glands (For cable dia. 25-30 mm)	25 nos.
6	Cable Ties, small, medium and large	200 nos. each
7	Industrial spike guard	3 nos.
8	Meanwell, SMPS (24V, 10A)	1 no.

2. Printing of sleeves to be used during wiring shall be provided from contactors side. (Sleeve printing machine will be available from user side).

3. General Terms & Condition

- 3.1 **Work Site:** The work inside BARC premises shall be done at PRAFPUL-1 and Engineering Hall-6.
- 3.2 The installation and wiring work shall be subjected to inspection and testing by the purchaser and the work shall be conducted under their supervision and to the full extent of their satisfaction

- 3.3 **Security Clearance:** A part of the work involves working in restricted area with security restrictions on entry of workers, working time. All workers and their supervisors need to have Police Verification done and cleared. Contactor's supervisor shall be present at the work site all the time.
- 3.4 **Safety:** Contactors shall take necessary safety precautions using during installation and site work. Electrical safety gears shall be used by contactors personnel while working at site.
- 3.5 **Workmanship:** Workmanship for the entire work should be good. Contactors personnel should bring all the tools required for them while working at our site.
- 3.6 **GST exemption Certificate: Since the goods are to be supplied against the work order meant for research purpose of a research organization under DAE, the necessary GST will be exempted to the party.** Interstate transaction for R&D will attract IGST only @ 5% as per notification No. 47/17-Integrated Tax (Rate) dated 14.11.2017. Transaction within the state will attract Central Goods and Service Tax (CGST) @ 2.5% as per notification no. 45/2017-Central Tax (Rate) dated 14.11.2017 and State Goods Service Tax (SGST) @2.5% as per notification no. 45/2017-State Tax (Rate) dated. 14.11.2017 of the State of Maharashtra. No claim for reimbursement of GST above the stipulated rate as per notifications would be entertained later.
- 3.7 **Compliance for Section 206AB & 206CCA of Income Tax Act, 1961:** Vendor has to submit a declaration in the attached proforma (Annexure III) along with necessary acknowledgements in support of the declaration along with the invoice on completion of the work. In case the aforesaid declaration is not submitted, Accounts section shall be deducting the TDS at the higher rates as instructed under the provisions of the Income Tax Act.
- 3.8 **Payment terms:** No advance payment will be made. Full payment will be made by NEFT/ECS on satisfactory completion of the works. Party should submit the bill along with advance stamped receipt. Income Tax @2% and GST TDS @2% will be deducted at source from the bill.

4. CONFIDENTIALITY CLAUSE

4.1	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 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 sub-contractors, consultants, advisors or the employees engaged by a party with equal force.
4.2	"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, advisor or the employees of the contractor will invite penal consequences under the aforesaid legislation.
4.3	Prohibition against the use of BARC's name without permission for publicity purpose. The contractor or sub-contractors, consultants, advisors or the employees engaged by a party shall not use BARC's name for publicity purpose through any public media like: press, radio, TV or Internet without any prior approval of BARC

Annexure - II

UNDERTAKING

(Goods & Service Tax)

The Following certificates should be submitted by the suppliers/contractors to the paying authority on the bills itself when Goods & Service Tax (GST) is claimed as extra by the contractors/suppliers.

1. **Certified that** the goods and packing on which Goods & Service Tax (GST) has been charged have not been exempted under the Goods & Service Tax (GST) or the rules made there under.
2. **Certified further that** we have actually paid Goods & Service Tax (GST) and are being assessed to Goods & Service Tax (GST) and also that where there are statutory exemptions under the GST act concerned we have availed of the same and certify non-availability of such provisions for Goods & Service Tax (GST).
3. **Certified that** in respect of the amount claimed in the bill, no claim is pending for refund/ or is admissible. Certified that in the event of our getting refund in whole or in part of the element of Goods & Service Tax (GST), we shall pass on the benefit of the amount of refund obtained by us.

4. **Certified further that** we (our branch or agent) _____

(Address) _____

are registered as dealer in the State of _____ under the
Central Registration No. _____ for the
purpose of Goods & Service Tax (GST)

Signature & Stamp

TO WHOMSOEVER IT MAY CONCERN

**Undertaking pursuant to Section 206 AB of the Income Tax Act 1961
Declaration confirming filing of Income Tax Return from immediate two preceding years.**

I, _____ [Name], in the capacity of Individual/
Proprietor/ Partner/ Director/Authorized signatory of _____
[Entity Name] with PAN _____, do hereby make the following declaration as
required under the relevant provisions of the Income Act, 1961 (hereinafter referred as 'the
Act'):

1. That I/We am/are authorized to make this declaration in the capacity as
Individual/ Proprietor/Partner/Director.
2. I/We hereby declare and confirm that I/We do not fall under the definition of
'specified person' as provided in section 206AB of the IT Act.
3. I/We have duly filed return of income for FY 18-19 & FY 19-20 within due date as per
Section 139(1) of the Income-tax Act, 1961 - **Yes / No (strike out whichever is
not applicable).**
4. If return has been filed the details are as follows:

I/We, _____ having PAN _____,
hereby confirm that the provision of Section 206 AB is not applicable in my/our case as I/we
am/are regular in filing of Income Tax Return. The details (along with proof of documents)
of acknowledgement numbers and date of filing of Income Tax Returns for last two financial
years are furnished below:

S.No.	Financial Year / (Assessment Year)	Date of Filing Income Tax Return	ITR Acknowledgement Number
1	2018-19 / (2019-20)		
2	2019-20 / (2020-21)		

5. I/We hereby take responsibility for any loss/liability fully including any Tax, interest,
penalty, etc. that may arise due to incorrect reporting of above information.

All the aforesaid representations are true and correct, and we/I agree to furnish any
evidence required at any time in support thereof.

On behalf of _____

<< Name of the authorised signatory>>

<<Designation>>

Name of the Entity:

Seal :

Date :