

**Government of India  
Bhabha Atomic Research Centre  
Post Irradiation Examination Division  
Radiological Laboratories, Trombay, Mumbai 400 085**

Tel: 25594047, Fax: 2550 5151

Ref: PIED/NHF/KMP/2018/40

09.01.2018

**Sub: Instrumentation and Electrical work for hot cells at PIED, RLG**

Dear Sir,

Please send us your lowest quotation for the following fabrication, supply, installation and commissioning works at RLG as per the site condition and the scope of work given below:

**Scope of work:**

**1. Fabrication, supply and installation of power distribution boards for instruments in WWA and IA of old hot cells – 20 nos.**

**Scope of work:**

- 1.1 Control Panel:
- 1.2 The Control box shall be fabricated from 1.6 mm thick m. s. sheet. Overall dimensions of the panel shall be : 250(l)x250(h)x100(d).
- 1.3 The front door layout shall be as per the drawing attached. Brackets shall be provided for mounting the MCBs flush with the front door.
- 1.4 The panel shall be wall hanging type with hooks provided for hanging the panel on the wall.
- 1.5 The panel shall be openable from the front side and shall have screwed fittings
- 1.6 On completion of the fabrication, the panel shall be thoroughly cleaned, degreased and given power coat paint (Siemens Gray).
- 1.7 Wiring:
- 1.8 The components shall be mounted on the front door.
- 1.9 The components shall be neatly wired with good quality wires, lugs and ferrules as per the circuit diagram.

Sr No.	Component and its specifications	Qty per board
1	Legrand make 2 pole MCB – 20 amps	1 no.
2	Legrand make 3x8 module cover plate with frame 5758 00	1 no.
3	Sockets shuttered Indian style 6/16 Amps 3 pin 2 module 5734 71	6 nos.
4	5 Amps one way switch with indicator Part no. 5734 01	3 nos.
5	20 Amps one way SP switch with indicator (5720 63)	3 nos.
6	Telephone socket double RJ11 (1 module) 5734 27	1 no.
7	Information socket Cat 6- UTP (1 module) 5734 28	1 no.
8	Terminals for connections ( 2.5 sq mm)	30 nos.
9	Compression cable glands	1 no.

**2. Fabrication, supply and installation of Timer panels for lighting control in the highbay area of hot cells : 3 nos.**

**Scope of work:**

- 2.1 Control Panel:
- 2.2 The Control box shall be fabricated from 1.6 mm thick m. s. sheet. Overall dimensions of the panel shall be : 450(l)x350(h)x200(d).
- 2.3 The front door layout shall be as per the drawing attached. Brackets shall be provided for mounting the MCBs flush with the front door.
- 2.4 The panel shall be wall hanging type with hooks provided for hanging the panel on the wall.
- 2.5 The panel shall be openable from the front side and shall have screwed fittings
- 2.6 On completion of the fabrication, the panel shall be thoroughly cleaned, degreased and given power coat paint (Siemens Gray).
- 2.7 Wiring:
- 2.8 The components shall be mounted on the front door.
- 2.9 The components shall be neatly wired with good quality wires, lugs and ferrules as per the circuit diagram.

Sr No.	Component and its specifications	Qty/ panel
1	63 Amps 4 pole MCB Siemens make	1 no.
2	Power Contactor 45Amps 3P Siemens make 3TF	1 no.
3.	Auto/ manual switch Kaycee make	1 no.
4	24 hrs Timer Legrand make Microrex QT31	1 no.
5	Single phase MCB 6A Siemens make	1 no.
6	Pushbuttons (Start + Stop)	2 nos.
7	Indicating lamps	2 nos.
8	Elmex terminals	lumsum

**3. Fabrication, supply and installation of Control panel for liquid effluent pumping system for the interim storage tank at PIED**

Sr No.	Component and its specifications	Qty
1	2 HP Single phase submersible pump CRI make	1 no.
2	Pump control system for above pump	100 m
3.	Float type level switches Pune techtrol make	3 nos.
4.	Indicating lamps	5 nos.
5.	Auto manual selection switch	One no.
6.	Wiring the above system	One set

**Important Note:**

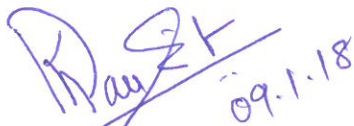
1. All your electrical appliances shall have a performance certificate without which they cannot be connected to the electrical supply points provided by the department. Hence, you are requested to obtain the certificate for the appliances before bringing them into BARC.

2. Since the scope of work involves site work, you shall obtain clearance from police and CID for all staff who may be deputed for site work at PIED, RLG, BARC. This is mandatory and the responsibility of obtaining such a clearance is within your scope of work.

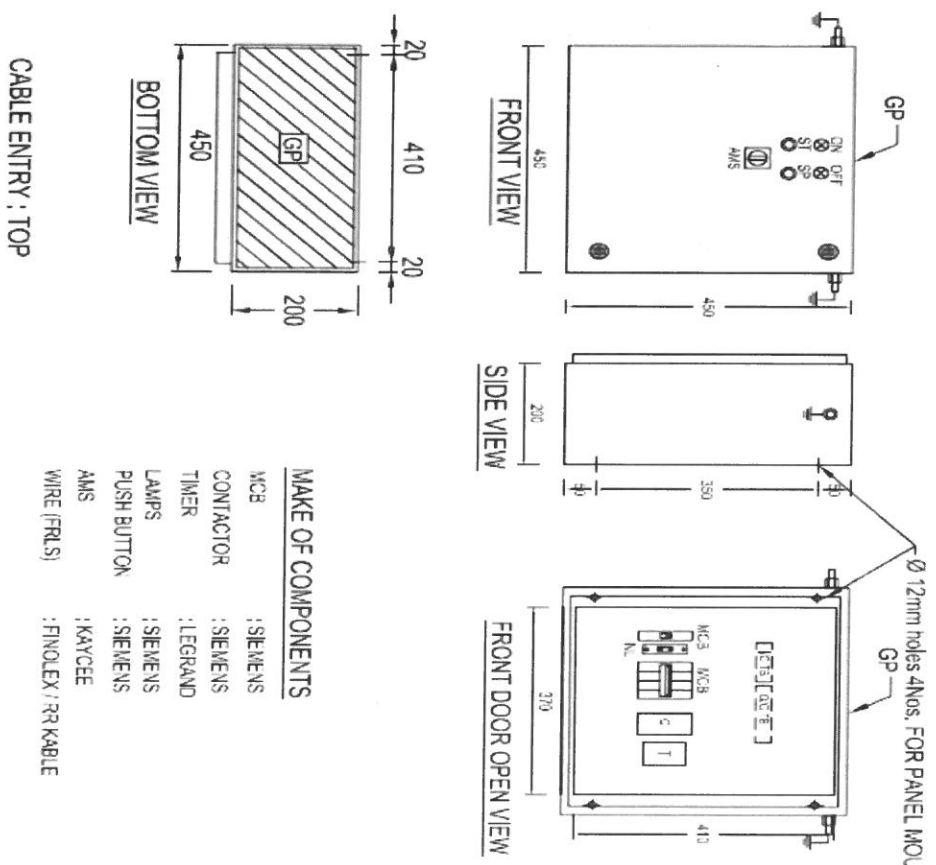
**Please note the following:**

1. The work is to be completed within 60 days of receiving the firm work order from us.
2. The sealed quotations shall reach the office of the Head PIED, New Hot Cells Facility, RLG, Mumbai – 85 on or before **16.01.2018 11:00hrs** only by **Indian Postal Service**.
3. Please address your offer to: **K M Pandit, SO/F, Post Irradiation Examination Division, RLG, BARC, Trombay, Mumbai-400 085.**
4. The quotations are to be sent in a sealed envelope with the following information marked on top of the envelope: "Quotation for Instrumentation and Electrical work for hot cells at PIED"
5. Offers sent by telegram, telex, fax or e-mail will **not** be considered.
6. All taxes should be mentioned clearly.
7. Quotation should be in the printed letter head /quotation format which should consist of Sales Tax Registration Number, PAN Number of the firm, Service Registration Number, etc.
8. **Quotation shall be signed by proprietor or authorized person and affix company seal.**
9. Computer generated quotation form will not be accepted.
10. Income Tax @2%, surcharge on IT as applicable and educational cess @3% (on IT & surcharge) will be deducted at source from your bill
11. Offer should be on free delivery basis to RLG Zonal Stores, BARC, Trombay.
12. Delivery period should be mentioned with all the possible consideration.
13. Payment will be made within 30 days from the date completion.

Yours sincerely,



K M Pandit  
SO/F, PIED



Ø 12mm holes 4Nos. FOR PANEL MOUNTING ON ANGLE FRAME

- MAKE OF COMPONENTS**
- MCB : SIEMENS
  - CONTACTOR : SIEMENS
  - TIMER : LEGRAND
  - LAMPS : SIEMENS
  - PUSH BUTTON : SIEMENS
  - AMS : KAYCEE
  - WIRE (FRLS) : FINOLEX / RR KABLE

