

Ref: PIED/KMP/2018/ 1036

11.10.2018

Sub: Fabrication, Supply and Installation of Control system for Fuel pin UT scanner stage for hot cell application and Control system for Coolant channel UT scanner stage at PIED

Dear Sir,

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

Scope of work:

1. **Fabrication, supply and installation of Control system for Fuel pin UT scanner stage for hot cell application**
Qty. 2 nos.

Scope of work:

- a. Control Panel:
- b. The Control Panel shall be fabricated from 1.6 mm thick m. s. sheet. Overall dimensions of the panel shall be : 220(l)x300(h)x150(d).
- c. The front door layout shall be as per the drawing attached. Brackets shall be provided for mounting the MCBs flush with the front door.
- d. The panel shall be wall hanging type with hooks provided for hanging the panel on the wall.
- e. The panel shall be openable from the front side and shall have screwed fittings
- f. The panel shall be provided with 8 nos. of cable gland.
- g. On completion of the fabrication, the panel shall be thoroughly cleaned, degreased and given power coat paint (Siemens Gray).
- h. Wiring:
 - i. The components shall be mounted on the front door.
 - j. The components shall be neatly wired with good quality wires, lugs and ferrules.

Sr No.	Component and its specifications	Qty per panel
1	Legrand make Lexic single phase + Neutral MCB – 10 amps	1 nos.
2	Indicating lamps TEKNIC make 22.5 dia – Red	2 nos.
3	Self illuminating Push buttons RED and GREEN	2 nos.
4.	3 position switch 5Amps	1 no.
5.	BCH mini limit switches DLSMAR	2 nos.
6.	OMRON relays 230V coil 5A rating	2 nos.

7.	Variable frequency Drive Hitachi make HH10 series 0.5 HP Input : 230 V AC 50 Hz 1Ø Output: 220V AC 50 Hz 3Ø	1 no.
8.	50mm dia shaft type incremental rotary encoder Autonics make Model no. E50S8-2000-3T-S	1 no.
9.	Counter/timer Autonics make Model no. CT6M-2P4T	1 no.

2. Fabrication, supply and installation of Control system for Coolant channel UT scanner stage
Quantity: 2 nos.

Scope of work:

- a. Control Panel:
- b. The Control Panel shall be fabricated from 1.6 mm thick m. s. sheet. Overall dimensions of the panel shall be decided in consultation with EIC.
- c. The front door layout shall be decided in consultation with EIC. Brackets shall be provided for mounting the MCBs flush with the front door.
- d. The panel shall be wall hanging type with hooks provided for hanging the panel on the wall.
- e. The panel shall be openable from the front side and shall have screwed fittings
- f. The panel shall be provided with 8 nos. of cable gland.
- g. On completion of the fabrication, the panel shall be thoroughly cleaned, degreased and given power coat paint (Siemens Gray).
- h. Wiring:
- i. The components shall be mounted on the front door.
- j. The components shall be neatly wired with good quality wires, lugs and ferrules.

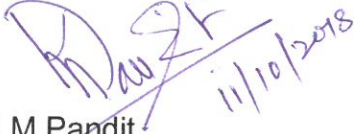
Sr No.	Component and its specifications	Qty per panel
1	Legrand make Lexic single phase + Neutral MCB – 10 amps	1 nos.
2	Indicating lamps TEKNIC make 22.5 dia – Red	2 nos.
3	Self illuminating Push buttons RED and GREEN	2 nos.
4.	3 position switch 5Amps	2 nos.
5.	BCH mini limit switches DLSPAR	2 nos.
6.	OMRON relays 230V coil 5A rating	4 nos.
7.	Variable frequency Drive Hitachi make HH10 series 0.5 HP Input : 230 V AC 50 Hz 1Ø Output: 220V AC 50 Hz 3Ø	2 nos.
8.	Gefran make Linear displacement transducer Model no. PKM 0600 000	1 no.
9.	Indicator Red lion make Model no. PAXD	1 no.

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 **22.10.2018 11:00hrs** by **Indian Postal Service** only.

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 Control, systems"
5. Offers sent by telegram, telex, fax or e-mail will **not** be considered.
6. All taxes should be mentioned clearly.
7. **Good & Services Tax** : 18%.
8. 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.
9. Quotation shall be signed by proprietor or authorized person and affix company seal.
10. Computer generated quotation form will not be accepted.
11. Income Tax @2%, surcharge on IT as applicable and educational cess @3% (on IT & surcharge) will be deducted at source from your bill
12. Offer should be on free delivery basis to RLG Zonal Stores, BARC, Trombay.
13. Delivery period should be mentioned with all the possible consideration.
14. Payment will be made within 30 days from the date completion.

Yours sincerely,


K M Pandit
SO/F, PIED