

Government of India
Bhabha Atomic Research Centre
Post Irradiation Examination Division
Radiological Laboratories, Trombay, Mumbai 400 085
Tel: 25594047, Fax: 2550 5151

Ref: PIED/KMP/2018/827

01.08.2018

Sub: Fabrication, supply, testing and installation of Electro-pneumatically actuated dampers for the exhaust system at OHF

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:

Electro-pneumatically actuated dampers : Quantity – 5 nos.

Electro-pneumatically actuated dampers		
Sr No.	Item description	
1.1	Valve - Damper	
1.1.1	Type	Butterfly damper wafer type
1.1.2	Size	16" (400 NB)
1.1.3	Body form	Casting
1.1.4	Construction	Centre
1.1.5	End connections	Universal Wafer
1.1.6	Rating	ASME 150
1.1.7	Body material	ASTM A216 Gr WCB
1.1.8	Flap material	ASTM A351 Gr CF8
1.1.9	Stem	SS304/ Clearance type
1.1.10	Gland	SS304
1.1.11	Gland/body packing	PTFE
1.1.12	Characteristic/ leakage	On-Off / Class IV
1.2	Actuator	
1.2.1	Type	Double acting i.e.air to open and air to close Double rack and pinion
1.2.2	Size	Suitable for operating the above butterfly damper
1.2.3	Body	Al extruded H. A.
1.2.4	Seals	Nitrile
1.2.5	Rotation	0 – 90°
1.2.6	Working pressure range	80 – 120 PSI

1.2.7	Manual arrangement	:	Manual gear box shall be provided for operating the damper manually in case of emergency
1.3	Solenoid valve	:	A solenoid valve shall be provided for operating the actuator. The solenoid valve shall operate at 230V AC supply. The same shall be integrated with the actuator.
1.4	Position Indicator	:	Position indicator shall be provided for indicating the position as OPEN/ CLOSE. It shall also provide potential free contacts (1 NO + 1 NC)
1.5	Filter regulator	:	Filter regulator shall be provided in the compressed air line to the solenoid valve.
1.6	Tubing	:	Tubing required for integration of the above components is in the scope of supply.
1.7	Companion flanges	:	Companion flanges made out of SS 304 with mounting bolts and nuts is in the scope of supply.

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 **08.08.2018 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 Electro-pneumatically actuated dampers"
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

01.08.2018