Sub: In-situ fabrication / active maintenance of transfer port drive mechanism and transfer drawers of PIED hot cell facility

Dear Sir,

Please send us your lowest quotation for the above site work as per the scope of work given below:

Scope of work:

1. New hot cell facility has two transfer ports for irradiated materials in / out of the hot cell. Transfer port has a sliding shielding door (weight - 4MT). This door slides on the LM guides. Transfer port drive mechanism has a pusher which push / pull the sliding shielding door to open or close the port.
2. Drive mechanism has a ac geared motor which rotates the ball screw and the nut of ball screw moves linearly. Pusher is attached with nut, motor rotation moves the pusher in linear direction. Drive mechanism has LM guides also.
3. Maintenance of transfer port drive mechanism involves dismantling of the mechanism, cleaning, decontamination, replacement of ac geared motor, replacement of bearings etc. Assessment of all moving parts.
4. Base frame of drive mechanism shall be fabricated in-situ. Frame shall be made with SS304 channel 75 x 40. Size of frame is 2m long x 800mm wide. Weight of frame is approx. 80kg.
5. Transfer drawer has one lead filled shielding door. Weight of this shielding door is 1200Kg. This door has two special hinges.
6. Fabricators has to remove these hinges and decontaminate all the hinges.
7. Based on these hinges, new hinges shall be fabricated.
8. Fabrication and installation of 40Nos. of hinges.
10. Size of stainless steel trays is 800x300mm and height is 75mm.
11. All the trays shall be fabricated with 3mm thick SS304 sheet.
12. In-situ fitting, welding, grinding, finishing and installation of trays.

Important Note:

1. The fabricator has to arrange medical fitness certificate for all the working personnel. TLD and Dosimeter will be issued to all working personnel.
2. Since the work is in radioactive area, all working personnel shall strictly follow the instruction of health physicist and dept. supervisor.
3. 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.
Terms and Conditions:

1. The work is to be completed within 30 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 20.11.2020 by Speed Post of Indian postal services.
3. Please address your offer to: Anil Bhandekar, SO/G, 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 active maintenance of transfer port drive mechanism”
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% will be deducted at source from your bill
11. Delivery period should be mentioned with all the possible consideration.
12. Payment will be made within 30 days from the date completion.

Yours sincerely,

Anil Bhandekar
SO/G, PIED