

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

Tel: 25594047, Fax: 2550 5151

Ref: PIED/AB/2022/ 265

11.07.2022

To,

Sub: Annual Maintenance Contract of motorized Tram Track Trolleys at PIED

Dear Sir,

Please send us your lowest quotation for the Annual Maintenance Contract of motorized Tram Track Trolleys at PIED as per the technical specification and terms and condition given below:

Scope of work:

1. Annual Maintenance Contract of 8Nos. motorized Tram Track Trolleys at PIED. The period of contract shall be **twelve months** from the release of work order.
2. Tram Track Trolleys are four-wheel drive motorised Rail Mounted Heavy Duty Transfer Trolley. These trolley are used to transfer heavy shielded cask. Trolleys move on rail tracks embedded in the RCC floor. Each trolley consists of a top loading platform, four nos. of solid steel wheels, geared motor, pillow block bearings, drive shafts and control panel.
3. Specification of tram track trolley

3.1.	Length	1500mm
3.2.	Width	1200mm
3.3.	Height of top platform	600mm
3.4.	Wheel	Four nos. of solid metal wheel of dia 350mm x 50mm thk.
3.5.	Wheel base	1150mm
3.6.	Wheel Gauge	925mm
3.7.	Tram-track Rail size	BS60R
3.8.	Load capacity	20MT
3.9.	Top Platform	Top platform made with ISMB 200 beam and 25mm thick MS Plate
3.10	Drive	2HP, 415V, 3 Ph. AC Geared motor Output RPM- 5RPM Connected with rear wheel shaft using a bevel gear box
3.11	Bearings	Four nos. SKF Pillow block at four corners of

		trolley platform
3.12	Speed of trolley	5 m/min
3.13	Each trolley has a control panel with inverter drive	

4. Following types of preventive maintenance need to be done once in a three months
 - Servicing and lubrication of pillow block bearings
 - Servicing of gear box
 - Servicing of geared motor
 - Replacement of oil seals
 - Checking of all fasteners
 - Checking of couplings
 - Checking motor current and insulation
 - DP testing of load bearing weld joints
 - Oil replacement of gear box
 - Rail track cleaning
 - Control Panel Components Maintenance
5. Four service in a year and any number of breakdown calls
6. Annual inspection and load test of trolleys with 20MT load shall be carried out once in a year. We will arrange the load for testing the trolleys. All other arrangements for annual inspection, load test and for preventive maintenance is in the scope of work.
7. Contractor shall arrange all Personal Protective Equipments (PPE) like Boiler suit, Half Mask Respirator with HEPA filters, Cotton gloves, Surgical Gloves, Postmortem Gloves, PVC shoe cover, duster, cotton head cap etc. for all working personnel. Department will not provide any PPE for this work.

Important Note:

1. We will accept quotations from the contractors those who have previous experience of work in radioactive areas other quotation will be rejected. Documentary proof of previous experience of work in radioactive areas shall be attached with quotation.
2. Since the work is in radioactive area, all working personnel shall strictly follow the instruction of health physicist and dept. supervisor. The contractor has to arrange medical fitness certificate for all the working personnel. TLD and Dosimeter will be issued to all working personnel.
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.

Please note the following :

1. The period of contract shall be twelve months from the release of work order.
2. Service Charges accepted shall be firm during the currency of the Contract.
3. Half yearly payment will be done. No advance payment will be made
4. The sealed quotations shall reach the office of the Head PIED, New Hot Cells Facility, RLG, BARC, Mumbai – 85 on or before **25.07.2022 by Speed Post of Indian postal services.**
5. Please address your offer to: **Anil Bhandekar, SO/G, Post Irradiation Examination Division, RLG, BARC, Trombay, Mumbai-400 085.**
6. The quotations are to be sent in a sealed envelope with the following information marked on top of the envelope: "Quotation for Annual Maintenance Contract of Tram Track Trolleys of PIED"
7. Offers sent by telegram, telex, fax or e-mail will **not** be considered.
8. All taxes should be mentioned clearly.
9. 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.
- 10. Quotation shall be signed by proprietor or authorized person and affix company seal.**
11. Computer generated quotation form will not be accepted.
12. Income Tax @2% surcharge on IT and other cess as applicable will be deducted at source from your bill

Yours sincerely,



ANIL BHANDEKAR
Scientific Officer
Government of India
P.I.E. Division, B.A.R.C.
Trombay, Mumbai - 400 085.

Anil Bhandekar
SO/G, PIED