

**Government of India
Bhabha Atomic Research Centre
Nuclear Recycle Group
Technology Development Division
Hot Cell Engineering and Automation Section**



Ref: NRG/TDD/HCEAS/2018/OPA/126958

Date: 29/06/2018

**NIT for Minor Fabrication
Due date: 20/07/2018**

Sealed quotations are invited for and on behalf of the President of India for the work as described below. The last date of submission of sealed quotation is 20/7/2018 up to 15:00 hrs at 313, CDCFT, Trombay, Mumbai 400085, of Technology Development Division. Please mention the reference number on the front cover of the sealed quotation. Sealed quotation shall only be sent through Postal Speed Post/Normal Post only. Hand delivery of the quotations is strictly not allowed. The sealed quotation will be opened on the same day at 15:30 hrs. in the office of authorized tender opening officer, TDD, NRG.

Description of work	Duration
Sub: Refurbishment of Rooms and associated works at WIP Process Building, BARC, Trombay.	Three month

1.0: General: Rooms will house sophisticated electronic equipment hence workman ship and quality of material are of utmost important. The work includes supply and installation of Aluminum glass partitioning, painting, PVC flooring, Split Air Conditioners with timer, Metallic False Ceiling, L shaped wooden furniture, Chairs, storage rack, Flameproof LED lighting fixtures, Glass door with floor spring, Glass wall frame, Shoe rack, Flameproof Exhaust Fan etc.

1.1: Refurbishment work: The supply and installation of following items is in the scope of Tenderer.

1.1 (a) For room housing computation equipment following work shall be done.

Sr.No.	Description of work	Quantity
1.	Glass Door of 12 mm Safire toughened or equivalent make with floor spring and metallic handle, and provisioning for integration of RFID based locking system of end user	01 nos.
2.	Split Air Conditioners with timer for 24/7 operation: -One ton split AC with timer switch for switching AC power after 12 hrs of 3 star rating Voltas /Blue star/ whirlpool/LG with copper tube for inlet and outlet, mounting brackets and metal clad switch-socket mounted on powder coated MS Box. The set of Air conditioners shall function round the clock alternately (12 hrs each).	02 nos.
3.	Sandwich Glass Wall Frame of 10 sq ft	01 nos.
4.	Painting: Two coats epoxy paint for inside room. The job includes removal of existing paint followed by application of new paint. The colour should be approved by Engg. In Charge. Before painting renovation of walls by removing damaged external plaster and applying RBR coating and plaster wherever damaged walls' cracks etc.	600 sq.ft

5.	LED Lighting Fixtures Supply and fixing of LED light fixtures with mounting brackets, Philips or Equivalent Make 20 W.	6 nos.
6.	Revolving Chair Supply and Delivery of Revolving Chair with cushion, half back rest and arms of sturdy construction and aesthetic look. Model should be got approved by Engr. In Charge.	05 nos.
7.	PVC flooring Supply and fixing of PVC flooring made out of 2 mm thick Responsive/premier or equivalent make, colour shall be approved by Engg. In charge. The job includes floor leveling, applying Adhesive and laying new PVC sheet.	130 sqft
8.	Godrej / WIPRO Make or equivalent L Shaped workstation table Supply and installation of marine grade ply of kitply make or equivalent, with 1mm veneer polish layer all over, 25 mm thick teakwood L shape desk of total size 40 sq ft, with saint gobain or equivalent toughened glass of 10mm on TOP. This L shaped Table will house 3 nos of HD TV Monitors and 1 no of regular PC Monitors. This table will also house 4 sets of wireless keyboard mouse, so require drawers for keyboard mouse and locking arrangement with foot rest arrangement. The drawing and colour should be approved by Engg. In Charge.	40 sqft
9.	Godrej/ WIPRO Make or equivalent Multipurpose storage 15 mm thick TOP with 3 nos. of drawers (Each drawer size 5” x 12” x 15”) with handle, marine grade ply of kitply make or equivalent with 1 mm veneer allover	01 nos.
10.	Metallic False Ceiling Supply ,fabrication and fixing in position suspended false ceiling system using 600x600 mm Calcium Silicate Ceiling tiles (AEROLITE ceiling system or approved equivalent make).Tiles having 15 mm densified edges and 100% humidity resistance, steel sections having an exposed surface capping of pre-finished backed polyester painted coil incombustible as per BS476 part IV with Thermal conductivity and approved surface Design and edge profile placed in a suspended grid of size of 600 x 600mm made from Hot dipped G.I where in the main Tee of size:24 x 28x0.33mm shall be suspended at 1200 mm centres along the length of ceiling with 4mm dia G.I wire with necessary level adjustment.	160 sqft
11.	Godrej or equivalent Wall mount Metallic Shoe Rack for 6 pairs of shoes	01 nos.

1.1(b) for room housing UPS with battery bank following work shall be done.

Sr.No.	Description of work	Quantity
1.	Aluminum Framed Glass Door with partial Glass of 5mm thick & door closure device with metallic rugged handle and key lock provision	01 nos.
2.	Painting: Two coats epoxy paint for inside room. The job includes removal of existing paint followed by application of new paint. The colour should be approved by Engg. In Charge. Before painting renovation of walls by removing damaged external plaster and applying RBR coating and plaster wherever damaged walls' cracks etc.	400 sq.ft

3.	Aluminum Glass Partition Providing and fixing Anodized Aluminum Glass partition made out of 2 ½” x 1 ½” Aluminum standard tubular sections of 16 Gauge thick materials of Jindal or equivalent make. The job includes 5mm transparent glass for top portion of partition and remaining bottom part shall have 4 mm thick hardener sheet. The partition shall have two double leaves sliding door. It shall have locking arrangement, handles etc.	60 sqft
4.	Flame proof Exhaust Fan Flame Proof Exhaust Fan of size 10” Bajaj/Crompton Greaves or equivalent make. Make & Model should be approved by Engr. In Charge.	01 nos.
5.	Flameproof LED Lighting Fixtures Supply and fixing of flameproof LED light fixtures with mounting brackets, Philips or Equivalent Make 20 Watts.	02 nos
6.	PVC flooring Supply and fixing of PVC flooring made out of 2 mm thick Responsive/premier or equivalent make, colour shall be approved by Engg. In charge. The job includes floor leveling, applying Adhesive and laying new PVC sheet.	70 sqft
7.	Metallic False Ceiling Supply ,fabrication and fixing in position suspended false ceiling system using 600x600 mm Calcium Silicate Ceiling tiles (AEROLITE ceiling system or approved equivalent make).Tiles having 15 mm densified edges and 100% humidity resistance, steel sections having an exposed surface capping of pre-finished backed polyester painted coil incombustible as per BS476 part IV with Thermal conductivity and approved surface Design and edge profile placed in a suspended grid of size of 600 x 600mm made from Hot dipped G.I where in the main Tee of size:24 x 28x0.33mm shall be suspended at 1200 mm centres along the length of ceiling with 4mm dia G.I wire with necessary level adjustment.	70 sqft

1.2. INSTALLATION PRACTICES:

1. The contractor shall use proper electrical plug/sockets. Use of loose wiring will not be permitted.
2. The contractor shall use all safety gears like helmets, safety belts, safety shoes etc. and follow safe installation practices. All the safety precautions shall be meticulously followed, the instructions given by Engr. In Charge & Safety Coordinator from time to time shall be abided.
3. Installation shall be neat and workmanship shall be of excellent quality.
4. The Contractor should supply and install all the fixtures, which may not be specifically mentioned in above, but necessary for the completeness of the work, without any additional cost.
5. All the accessories such as clamps, MS boxes, MS Angles, screws, fixers, ravel plugs, PVC flexible conduits etc. should be supplied by the Contractor.
6. The contractor shall be responsible for any loss or damage during transportation, handling and storage of system or any component of the system.
7. The installation of the above work should be as per the guidance of Engineer-in-charge of work.

1.3 INSPECTION & TESTING:

1. All the items / materials shall be inspected at Contractor's end/Sourcing Agency before dispatch by Engineer in Charge and his team. Functional tests shall be repeated at site after installation & commissioning, but before final acceptance.
2. Inspection and defects rectifications:- Any defects observed or detected during inspection shall be rectified by the contractor at his own cost and in procedure acceptable to Engineer-in-charge/dept. engineers at no extra cost.

2.0: WORKING CONDITIONS:

The contractor shall arrange all equipment and personnel required for the successful completion of the work. Contractor shall clean the site after work and dispose the waste generated properly. Contractor shall stick to the schedule given and complete the work before work order expiry. No extension will be given.

Safety and security rules:--

a)	Police verification certificate is required for all workers and supervisor deployed at the site.
b)	Security rules and transport rules at BARC, Trombay premises shall be strictly followed.
c)	Labors under 18 years shall not be allowed to work at site.
d)	Department shall not be responsible for any injury caused to contractor workforce due to any reason / unsafe workmanship while working at site.

- 2.1: Supplier shall bring all requisite mounting accessories, fittings, connectors /adapters etc for refurbishment of rooms and associated works.
- 2.2: All handling equipment, scaffoldings, tools and tackles, ladders, other machines, safety belts, welding machines etc required for the erection work shall be arranged by the supplier.
- 2.3: The vendor should arrange transport of materials required for carrying out the work in advance i.e. prior to starting of the field jobs. Please note **materials /tools etc entry to the site & their exits** is subjected to **security checks & procedure laid down by BARC security sections** & shall be strictly followed during the site execution. Electricity and Water will be provided free of cost for the above work.
- 2.4: The vendor shall arrange adequate accident insurance coverage of his personnel. BARC shall not be responsible for any liability arising out of any accident / injury caused to vendor's personal while executing the work.
- 2.5: Work shall be carried during working hours i.e 9.30 A.M to 5.30 P.M. Monday to Friday. Prior permission will be required to work on holidays and beyond office hours on working& holidays.

- 2.6: This work involves working in restricted area with security restrictions on entry of workers, working time etc.
- 2.7: All the workers and their supervisors need to have police verification done and cleared.
- 2.8: Contractor shall at his own cost, make arrangements for transport of his personnel, materials, tools etc. to and from the site.

3.0: Notes:

3.1 Offers will be evaluated on overall cost basis hence it is mandatory for bidder to consider entire work and quote on lump sum basis.

- 3.2: Quotation shall be valid for minimum 30 days from the date of opening.
 - 3.3: The supplier shall be of qualified for similar types of works with PO /WO references to be submitted.
 - 3.4: Supplier shall provide a self-declaration that the scope of the work is properly understood by him and he will complete the works in time as per the schedule of the contract.
 - 3.5: The Payment will be made as per Government procedure after the job is completed satisfactorily in all respects and has been approved by the officer supervising the job. Payment shall be made only on satisfactory completion of work, removal of debris/waste arising out of the work carried out from site and on production of bill in duplicate, advance stamped receipt, guarantee / warranty certificates, stores receiving voucher duly signed by ASO (if applicable), No Demand Certificate from Security. In general after submission of all the papers mentioned in work order, it takes about a month period for releasing the payment, as per standard practice followed in BARC. Income tax @ prevailing rate at the time of execution of work and applicable surcharge on Income Tax as applicable & education cess on IT & SC as applicable will be deducted from the bill.
 - 3.6: Work shall be completed **within three months** of release of work order.
 - 3.7: Quotations are to be printed on letter head and should mention Goods and Services Tax (GST) Registration Number as well as any other prevailing Tax Registration Number registered with local, state/Central authority, PAN Number of the firm, Service Tax Registration Number etc.
 - 3.8: Quotations that are received in computer generated form are to be construed as invalid and will be rejected.**
 - 3.9: Similarly claims raised by the firms are also to be in Printed Invoice formats consisting of the above Registration Numbers.
 - 3.10: It is necessary to mention Taxes Registration Numbers clearly in the quotation, without which the offers will not be considered.
- 4.0 **Undertaking:** The vendor shall give undertaking stating that he has understood the entire scope of work inclusive of technical, supply, installation, testing and commissioning requirements as well as other associated security/safety and other general requirements.
- 5.0: Contact undersigned for any other technical enquiry about the job.

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