

Ref: NRG/ TDD/HCEAS/2017/Porta Cabin/165538

Date: 20/09/2017

**NIT for Minor Fabrication**  
**Due date: 10/10/2017**

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 10/10/2017 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
<b>Sub: Refurbishment and Renovation of Porta cabin and Security Guard House at RSMS, BARC, Trombay, Mumbai-400085.</b>	Three months

**1.0: General:** Porta Cabin and Security Guard House will house sophisticated electronic equipment hence workman ship and quality of material are of utmost important. The work consists of supply and installation of aluminium glass partition, painting, PVC flooring, walls refurbishment, split Air Conditioners, false ceiling, CRCA powder coated desk as per following details.

**1.1: Renovation work of Porta Cabin:** The supply and installation of following items is in the scope of Tenderer.

Sr. No.	Description of work	Quantity
1	<b>Aluminium Partition:-</b> Towards Providing and fixing Anodized Aluminium partition made out of 2 ½” x 1 ½” Aluminium 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 4mm thick hardener sheet. The partitions shall have two double leaves sliding door. It shall have locking arrangement, handles etc.	14 sq. mtr
2	<b>Painting:-</b> Towards applying one coat metallic primer, Two coats epoxy paint for outside of cabin. The job includes removal of existing paint followed by application of new paint. The colour of paint shall be Siemens gray. The colour should be approved by Engg. In Charge.	64 sq. mtr
3	<b>PVC flooring</b> 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 levelling, applying Adhesive and laying new PVC sheet.	15 sq. mtr
4	<b>Supply and Installation of split Air Conditioners:</b> - 1 ton split AC 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.	02 nos.
5	<b>CRCA powder coated desk:-</b> Supply and installation of one no. of desk <b>Size:2500mm(L) x 450mm(W) x 800mm(H)</b> made of 14 gauges CRCA	01 no.

	sheet with frame structure, powder coated with drawers, locking arrangements, handles and foot rest arrangement. The colour of paint shall be Siemens gray. The drawing and colour should be got approved by Engg. In Charge.	
6	Supply and fixing of Flame Proof 2 X 16/20 watt LED light fixtures suitable for Hazardous Area, Crompton Greaves/Bajaj or equivalent make.	04 nos.
7	Supply and fixing of Flame Proof Exhaust Fan of size 12” Bajaj/Crompton Greaves or equivalent make. Make & Model should be approved by Engr. In Charge.	01 no.
8	Supply and Delivery of Revolving Chair with cushion, full back rest and arms of sturdy construction and asthetic look. Make & Model should be approved by Engr. In Charge.	03 nos.

**1.2: Renovation work of Security Guard House:** The supply and installation of following items is in the scope of Tenderer.

Sr. No	Description of Work	Quantity
1	<b>Aluminium Partition:-</b> Towards Providing and fixing Anodized Aluminium partition made out of 2 ½” x 1 ½” Aluminium 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 partitions shall have one double leaves sliding door. It shall have locking arrangement, handles etc.	9 sq. mtr
2	<b>Painting:-</b> Towards applying one coat metallic primer, Two coats epoxy paint for inside and outside of guard house. 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 chhajjas ,walls’ cracks etc.	150 sq. mtr
3	<b>PVC flooring</b> 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 levelling, applying Adhesive and laying new PVC sheet.	16 sq. mtr
4	<b>Supply and Installation of split Air Conditioners:</b> - 1 ton split AC 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.	01 no.
5	<b>False ceiling:-</b> Supply ,fabrication and fixing in position suspended false ceiling system using 600 x 600 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.	16 sq. mtr
6	<b>CRCA powder coated desk:-</b> Supply and installation of one no. of desk <b>Size:2500mm (L) x 450mm (W) x 800mm (H)</b> made of 14	01 no.

	gauges CRCA sheet with frame structure, powder coated with drawers, locking arrangements, handle and foot rest arrangement. The colour of paint shall be Siemens gray. The drawing and colour should be got approved by Engr. In Charge.	
7	Supply and fixing of marble patty made out of 15 mm thick green natural or equivalent for upper side of back side entry wall.	3 sq. mtr
8	Supply and fixing of floor tiles in two toilets. The job includes removing existing damaged tiles and laying new antiskid tiles.	8 sq. mtr
9	Supply and fixing of 60 watt weather proof Well glass type LED light fixtures at top of chhajja with mounting brackets, Philips or Equivalent Make.	04 nos.
10	Supply and fixing of 20 watt LED light fixtures (600 mmx 600 mm) false ceiling mounting.	04 nos.
11	Supply and Delivery of Revolving Chair with cushion, full back rest and arms of sturdy construction and asthetic look. Model should be got approved by Engr. In Charge.	03 nos.

### 1.3. 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.

### 1.4 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.
2. Functional tests shall be repeated at site after installation & commissioning, but before final acceptance.

### 2.0: Working Conditions:

- 2.1: Supplier shall bring all requisite mounting accessories, fittings, connectors /adapters etc, for completing installation and commissioning of Porta cabin and Security Guard House.
- 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: To the extent possible the work shall be carried during the normal 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: Quotation shall be valid for minimum **45 days** from the date of opening.
- 3.2: The supplier shall be of qualified for similar types of works with PO /WO references to be submitted.
- 3.3: 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.
- 3.4: 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.
- 3.5: Work shall be completed **within three months** of release of work order.
- 3.6: Quotations are to be on printed 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.
- 3.7: Quotations that are received in computer generated form are to be construed as invalid and will be rejected.**
- 3.8: Similarly claims raised by the firms are also to be in Printed Invoice formats consisting of the above Registration Numbers.
- 3.9: 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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