Ref: RRMD/ TN -50 /2019

Sub: Renovation of Electrical Laboratory and workshop of Dhruva as per technical specification.

Sealed quotations are invited, for and on behalf of the President of India, for Renovation of Electrical Lab and workshop, so as to reach this office latest by 15.00 hrs. on 27/09/2019, superscribing the ‘QUOTATION’ and our tender ref. no on the envelope. Tenders shall be opened on 27/09/2019 day at the time and venue decided by member secretary of the Tender opening committee.

Submission of quotation shall be done only through registered post/speed post through Indian postal services addressed to “APO, RRMD Office, BARC, Trombay, Mumbai-400085”. Hand delivery or courier of tenders will not be accepted.

The quotation shall be in the format of attached schedule B, and shall include the Ref. no. of this enquiry, PAN no. and VAT/Service tax no. of the firm. The schedule of work, Scope and the terms and conditions are given below.

1.0 Scope and Technical Specification

Scope and Technical specifications, applicable standards & codes, manufacturing, fabrication & assembly requirements, examination & testing requirements and other terms & conditions are mentioned in the attached Annexure.

2.0 Completion period:

The work shall be completed and delivered within six months from the date of issue of work order.

Any delay which is attributable to the contractor is liable for penalty @ ½ % per week (max 5%) of the work order value.

In case extension in the job completion period is required, the vendor has to write to BARC & it should be approved/justified by the concerned Division in BARC.
3.0 Commercial terms & conditions

3.1 Release of advance/part payment will not be considered

Full payment will be made after satisfactory completion of the entire work as specified hereinabove and submission of the following documents:

3.1.1 Delivery Challan
3.1.2 Bill in duplicate
3.1.3 Advance stamped receipt
3.1.4 Guarantee certificate.
3.1.5 Test certificates.

3.2 Income tax @ 2% and SC on IT as applicable will be deducted from your bill amount.

3.3 TDS certificate will be issued by BARC if desired.

4.0 Instructions to tenderers:

4.1 Industrial Safety: Industrial Safety Undertaking will have to be signed after discussion between Contractor/Supervisor of concerned works contract & Safety Officer/Coordinator of Reactor Group. The contractor or executing agency shall adopt adequate safety measures as per the Job Hazard Analysis (JHA) control measures suggested. The personal protective equipment to contract workers, supervisors & engineers shall be supplied by the contractor at his own cost.

4.2 General Requirement: All workers, supervisors & engineers of the contractor shall wear necessary protective clothing, safety belts with harness, helmets & canvas/safety shoes properly laced & follow the safety requirements strictly, while working at site.

4.3 For working at Heights: All the persons should be physically, mentally fit & to work in heights, medical fitness certificate should be furnished for all workers. The responsibility of all safety precautions related with a particular job at site primarily lies with the Contractor. The contractor & his persons shall strictly observe all security and safety regulations prevailing at the site. The contractor & his team working at the site shall follow the safety measures as mentioned in "Safety with scaffolding" of GCC & other safety measures at site as per "Construction Safety Manual" available at www.tenderwizard.com/DAE or www.barc.gov.in. All the workers, supervisors & engineers of the contractor shall have proper medical certificates issued by the competent authorities.

4.4 Safe industrial practices for entering & working in confined spaces are to be followed by Contractor & his team, wherever applicable.

4.5 Safe industrial practices are to be followed for use of portable ladders & step ladders by Contractor & his team, wherever applicable.

4.6 All workers should be insured at the cost of the contractor for risk of working at BARC & no claim will be payable by BARC.

4.7 Please indicate whether any of your relatives are employed in BARC or you or any of your employees were employed in BARC or any other units of DAE.

4.8 All identity cards/temporary entry permits issued by BARC to you and your employees shall be returned immediately on completion of work.
5.0 Confidentiality Clauses.

5.1 Confidentiality:
No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as “Proprietary” in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without prior written consent of the original disclosing party. This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by a party with equal force.

5.2 “Restricted information” categories under section 18 of the Atomic Energy Act, 1962 and “Official Secrets” under Section 5 of the Official Secrets Act, 1923:
Any contravention of the above mentioned provisions by any contractor, sub-Contractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.

5.3 Prohibition against use of BARC’s name without permission for publicity purposes:
The contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC’s name for any publicity purpose through any public media like Press, Radio, T.V. or Internet without the prior written approval of BARC.

6.0 General:

6.1 All other terms and condition of the contract shall be as per the standard format of tender document prevailing in the BARC.

6.2 Proof of ability No tender will be considered unless the bidder can satisfy the purchaser that he can meet time schedule and technical requirement. Contractors experienced in installations of aluminium partitions & work stations will only be considered. Copies of previously executed Work order copies along with work completion certificates in BARC or government organizations must be provided along with the quotation.

7.0 Tender clarifications
The tenderer must visit the site to understand the scope of work along with previous executed Work Order copies to proof technical suitability. The tenderer shall note that if any clarification regarding conditions of contract, schedule or scope of work is required, he should contact Engineer-in-charge or office of Head, RRMD, BARC. No claim on account of ambiguity in any respect will be entertained. The engineer reserves the right at any time to make minor alternations/additions to these specifications.
7.1 For any further clarification Nishant Mishra, SO/D can be contacted on any working day from 0800 hrs to 1800 hrs. on telephone 25596225.

Yours sincerely,

S/D
(P Sumanth)
Head, RRMD

Encl: 1. Schedule A & B
2. Scope & Technical Specification
Schedule – A


Name of Work: Renovation of Electrical Lab and workshop of Dhruva as per technical specifications.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description</th>
<th>Qty</th>
<th>Unit</th>
<th>Rate</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Water</td>
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<td>Litre</td>
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<tr>
<td>2.</td>
<td>Electricity</td>
<td>As required</td>
<td>KWH</td>
<td>Free</td>
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</table>
**Schedule – B**

Tender Notice No: RRMD/TN/ 50 /2019 ,  

**Name of Work:** Renovation of Electrical Laboratory and workshop of Dhruva as per technical specifications.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description of items</th>
<th>Unit</th>
<th>Qty (a)</th>
<th>Rate (Rs.) Supply (b)</th>
<th>Installation (c) Total (d=b+c)</th>
<th>Total (Rs.) (e=axd)</th>
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<tbody>
<tr>
<td>1.</td>
<td>Supply and installation of workstation: recta work surface - 1050 W X 600 D - PROVIDING 25 MM thick prelaminated rectangular worktop with PVC lipping, nova free standing pedestal with flat metal front of size 390W X 585D X 646HT, 3DR = 2 BOX + 1 file, central locking. CPU trolley, KBPT with electric Switch Sockets as per Technical Specification.</td>
<td>No.</td>
<td>12</td>
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<td>2.</td>
<td>Supply of Ergonomic Mid Back Chair as per Technical Specification.</td>
<td>No.</td>
<td>32</td>
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<tr>
<td>3.</td>
<td>Supply and installation of Storage 500W Storage Size - 2025H x 500W x 500D as per Technical Specification.</td>
<td>No.</td>
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<td>4.</td>
<td>Supply and installation of Aluminium Partition as per Technical Specification.</td>
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<td>5.</td>
<td>Supply and installation of Meeting Table 6 Seater Boat Convex Size - 2100Wx1200Dx750H as per Technical Specification.</td>
<td>No.</td>
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<td>6.</td>
<td>Supply and installation of Table 1200 without CPU hanger Size - 1200Wx600Dx728H with KBPT as per Technical Specification.</td>
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<td>7.</td>
<td>Supply and installation of Storage with Seating Size - 1200Wx500Dx460H as per Technical Specification.</td>
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<td>8.</td>
<td>Supply and installation of Top Unit (Wall mounted) Size -</td>
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<tr>
<td>No.</td>
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<td>9.</td>
<td>Supply of History card rack Size - 750W x 500D x 1350H as per Technical Specification.</td>
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<td>10.</td>
<td>Supply and installation of Main Desk with ERU + Pedestal Size: 1800W x 2100D x 750H as per Technical Specification.</td>
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<td>11.</td>
<td>Supply of High Back Chair as per Technical Specification.</td>
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<td>12.</td>
<td>Supply and installation of Storage Floor unit 500W Main &amp; Add-on with Metal Door Size - 2025H x 500W x 500D as per Technical Specification.</td>
<td>4</td>
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<td></td>
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<tr>
<td>13.</td>
<td>Supply of 4 Drawer Filling Cabinet Size - 1320H x 470W x 620D as per Technical Specification.</td>
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<td></td>
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<tr>
<td>14.</td>
<td>Supply of 2 Drawer Filling Cabinet Size - 710H x 470W x 620D as per Technical Specification.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>GST(%)</th>
<th>Grand Total(Rs.)</th>
</tr>
</thead>
</table>

(Rupees__________________________________________________________only)

Signature of the contractor with seal

Note: The prices shall be quoted in numerals and words as well. All pages of this form shall be signed with seal.
Scope of Work

The scope of work in general involves the following activities;

1. Supply & installation of reputed make tile based Modular workstation of along with key board, CPU trolley, 3 drawer metal pedestals in Electrical Lab and workshop as per specification.

2. Supply and installation of customized storage at workshop and partition of Electrical Lab as per specification.

3. Supply & installation of sitting and storage facilities at Attach Lab as per specification.

4. Supply and installation of power switch boxes, boxes for RJ 45 connectors/adaptors & telephone jack as required.

Technical Specification

WORKSTATIONS - Providing and fixing Workstations at all floors (GRIHA Complaint product) having thickness of 52.4 mm to 60mm, 1200mm ht. panel based work station partition with flexible construction offering various functional and decorative finishes as well as cable management capacity. Vertical and horizontal extrusions should be made of Aluminium AL96063-T6 with an average wall thickness of 1.2mm coated with average 50micron thick epoxy powder coating. All trims shall be made of aluminium extrusions specified for horizontal and vertical members. Top trim shall be press fitted on horizontal extrusion. End trim shall be slide fitted with the help of corner made from 2mmthick MS CRCA Grade D as per IS:513. 200mm height panel comprises of 3 to 4 Horizontal divisions - 1 or 2 nos. middle blocks and 2 nos. one each at Top & Bottom. Blocks made out of a composite construction of MDF and paper honeycomb with one side rough prelaminated / fabric wrapped on it. Top panel Tiles should be slid in to the panels from top before fixing the top horizontal. Top tile to be in combinations of Fabric tack tiles / Fabric Magnetic/ Laminate / White Board. These tiles to be supported from top & bottom side with clips made from PP co polymer fitted in horizontal extrusion. Bottom tile and leg to be made of Mild steel CRCA Grade D with epoxy powder coating. Bottom frame shall be fabricated as a welded structure of steel components. The panels and worktops to be supported with MS legs with levellers at various locations depending on the layout requirements. Panel is elevated from the floor by 100-120mm with the help of panel legs. Work top shall be made of 25mm thick Pre-laminated particle board interior grade of approved shade conforming to IS: 12823. Bottom shall have a backing laminate of minimum 0.6 mm thickness. All the edges of work surface shall be provided with machine pressed 2 mm thick PVC lipping. Plain Metal tiles are made of 0.6 mm thick M.S. CRCA Grade D as per IS: 513 powder coated with Epoxy- Polyester finish. Fabric magnetic tiles are fabric upholstered metal tiles in 0.6 mm thick. Fabric Tack able tiles are fabric upholstered metal tiles in 0.6 mm thick with P.E. Foam in the tile for trackability. Laminate tiles are made of 8.0 mm thick particle board laminated with 0.6mm backing laminate on inner surface and all its edges with minimum 0.5 mm thick PVC edging. White board tiles shall be made of 8.0 mm thick particle board laminated with 0.6mm thick white glossy high pressure laminate on outer side 0.6mm backing laminate on inner surface and having all its edges with minimum 0.5 mm thick PVC.
edging. Glass tiles 4 mm thick toughened clear glass is fitted onto both sides of the panel using horizontal and vertical stiffeners made from 0.6 mm powder coated CRCA steel Grade D as per IS: 513. Gable end panels are made of 25 mm thick PLT mounted with the help of full gable end bracket (LH & RH options) made from 1.2mm thick M.S. CRCA grade D as per IS:513. Work surface bracket mounted on to the horizontal extrusion shall be made from 2 mm thick CRCA grade D steel as per IS: 513-19. Holder bracket shall also be made from 2 mm thick CRCA grade D as per IS: 513-19. The workstation should be fixed with end partition of similar panels except the top end tile that shall be provided with 4mm thick toughened glass as shown in the layout. All complete as per Architectural drawing and direction of Engineer in charge.

**Drawer unit** - Size 646mm H X 390mm W X 435mm D. 3 drawer pedestal unit (box + box + file) to be made out 0.8mm thick CRCA for body shell, drawer tray, front & rear side stiffener. Top & bottom stiffener of 1.2mm thick. All slides with double extension precision ball slide. Drawers to be without handles for clean finish. For drawer pulling, side wise tapered recess provided in shell behind drawer fronts. 10 lever cam lock & central locking with actuator & lock channel mechanism. Metal finish to be in epoxy polyster power coated with 40 to 50 microns.

**CPU** – Size : - 230mm W -345mm W X 226mm D X 180mm H. Base tray to be made up of 1mm thick MS CRCA steel and side support to be made up of 0.8 thick. MS CRCA sheet. Non- lockable twin wheel castors to be injection moulded in Black Nylon.

**KBPT:** Metal Tray made up of 0.9 mm thick CRCA ‘D’ grade as per IS: 513. Size: 482 x 280 x 40. Single extension ball slide assembly Size: 350 x 11.8. Single extension stroke 230mm. Ball Slide made up of combination of 1.2/1.5 mm thick roll formed CRCA ‘D’ grade as per IS: 513. Mouse tray Size: 210 x 210 made of 0.9 mm thick CRCA ‘D’ grade as per IS:513.

**Ergonomic Mid Back Chair :** Seat / Back Assembly :The seat is made up of 1.2±0.1cm thick. Hot pressed plywood measured as per QA method described in OCP-QLTA-PL14-18. The back is made up of injection moulded glass filled nylon & upholstered using net fabric with high tenacity yarn. High Resilience (HR) Polyurethane Foam : The HR polyurethane foam is moulded with density = 55+/−2kg/m3 and hardness 16±2 kgf as per IS: 7888 for 25% compression. Armrests (Adjustable) : The armrests have an up-down adjustable  of 8.5±0.5cm which is provided in armrests structure. Armrest top has an integrated layer of Thermoplastic Elastomer (TPE). Armrests : The armrests is made of plastic injection moulded nylon with textured top. Lumbar Support Assembly : The Lumbar support consists of polyurethane pad with moulded polyurethane foam & covered with polyester fabric . The Height of lumbar pad can be adjustable through two projecting knobs provided on the rear side of the pad. Lumbar pad has an adjustment of 8.0±0.5cm in height. Front Pivot Synchro Mechanism : The adjustable tilting mechanism is designed with the following features. 360° revolving type. Single point control. Front – pivot for tilt with feet resting on ground ensuring more comfort. Tilt tension adjustment. 4-position locking with anti-shock feature. Seat/back tilting ratio of 1.2.Pneumatic Height Adjustment : The pneumatic height adjustment has an adjustment stroke of 10.0± 0.3 cm. Pedestal Assembly : The pedestal is injection moulded in back 30% glass- filled nylon and fitted with 5 nos. twin wheel castors. The pedestal pitch-center dia is Ø66.1 ± 0.5 cm. (76.1 ± 1.0 cm. with castors.) Twin wheel Castors : The twin wheel castors are injection moulded in black nylon.

**Storage :**
Product Size:- 2060*(H) x 500(D) x 500(W) DMX-DOS113104 A1 ht without leveler.
Construction & Material  
Aesthetically appealing completely knock down construction.
The add-on units are stack widthwise to form a row of storage having a common side panel. (Note- The total width of the unit with main and add-ons should not exceed 2meters) Legs fitted with screw type leveler (add 40mm to the height) Made from combination of CRCA 0.5 mm &0.8 mm Thickness. Shelving :- Height wise Adjustable Shelf Mounting Each Full shelf has Load Capacity of 40 Kg UDL Max. 4 Nos. of full adjustable shelves. Finish Epoxy Powder coated to the thickness of 50 microns (+-10).

Aluminium Partition : Providing and fixing of Aluminium Partition made from 2.5" x 1.5" Frame Section of Medium Guage, Partition to include bottom panel of hardener board and middle panel of float glass and top height also in hardener board, to be fixed with clips. The work will include door of size 3' wide by 7' height (openable/sliding) as required.

Meeting Table 6 Seater : 6 Seater Boat Convex size shall be  2100 Width mm  x 1200 Depth mm  x 750 Height mm . Top shall be 32 mm thick Base material shall be 18 + 12 mm MDF board. There shall be natural veneer 0.5 mm on top surface plus 0.6 mm balancing laminate on bottom surface Chamfer edges - PU Matt painted and veneer portion of work surface is finished in PU Matt paint . The Veil and cross member shall be 18 mm thick base material shall be 16 mm plain particle board plus post - laminated work -surface with 0.6 mm laminate on either side . 2 mm thick and 0.8 mm thick PVC edge banding of matching colour on outer edges of Veil 0.8 mm thick PVC edge banding of matching colour on outer edges of cross member . The legs shall be made from 1.6 mm Matt silver Anodized Aluminium extrusion . Legs assembled together with a plastic glide holder at bottom and 5 mm thick MS powder coated sheet at top . The plastic glide holder is having provision for wire entry and glide fixing . The wire carrying is facilitated through the hollow space between two leg extrusions and the wires are concealed between removable rigid PVC extrusion in the leg . Access Flap and Switch Mounting Tray shall be made of matt silver anodized aluminium extrusion and plastic moulded components . Powder coated switch mounting tray made from 0.8 mm and 1.2 mm MS sheet .Switches to be mounted on tray as per requirement and Provision for mounting a module anchor roma switch plate on switch mounting tray.

Seating Table without CPU Hanger : Top : Work surface:  18mm thick. Pre Laminated Particle board (PLB) All work surface edges are duly sealed with 2mm thick PVC Edge banding. Understructure : Modesty Panel : 18mm thick. Pre laminated Particle board (PLB) All work surface edges are duly sealed with 2mm thick PVC Edge banding. Only offered in sizes 1500 and 1650 wide desk. Rectangular Frame: Fabricated component in 1.2 mm thick CRCA ‘D’ Grade as per IS:513. Finish : Epoxy polyester powder coated to thickness of 50 micron (+-10). Leg : Fabricated component in 38mm x 25mm x 1.2mm thick MS ERW Tube (IS:7138), Finish : Epoxy polyester powder coated to thickness of 50 micron (+-10). CPU Modesty : 0.8mm thick ‘D’ Grade as per IS:513. Finish : Epoxy polyester powder coated to thickness of 50 micron (+-10). Leveler glide for leg : Nylon 6 & MS Bolt. Wire Management : Horizontal wire carrier : 0.7mm thick CRCA ‘D’ Grade as per IS:513. Finish : Epoxy polyester powder coated to thickness of 50 micron (+-10). Vertical wire carrier : 0.8 mm thick CRCA ‘D’ Grade as per IS:513. Finish : Epoxy polyester powder coated to thickness of 50 micron (+-10). Storage : Pedestal : Drawer Configuration/Product size/Styling : Box-Box-File : 355.5(w) x 559(d) x 670(h). Enclosing - Including Leveler. Construction & Material : Welded Assembled . Shell – 0.6mm Thk CRCA as per IS-513. Drawer Tray & back – 0.5mm thk. CRCA as per IS-513.Drawer Front - 0.6 mm thk. CRCA as per IS- 513. Locking : Cam Lock . Leveler : Plastic MB Leveler mounted below Body shell. Handle : Injection moulded polypropylene. Finish : Epoxy polyester powder coated to the thickness of 50 microns (+-10).
KBPT: Metal Tray made up of 0.9 mm thick CRCA ‘D’ grade as per IS: 513. Size: 482 x 280 x 40. Single extension ball slide assembly Size: 350 x 11.8. Single extension stroke 230mm. Ball Slide made up of combination of 1.2/1.5 mm thick roll formed CRCA ‘D’ grade as per IS: 513. Mouse tray Size: 210 x 210 made of 0.9 mm thick CRCA ‘D’ grade as per IS:513

Storage with Seating: Barrier Bench Size - 1200 x 500 x 460 made out of 20/22 SWG CRCA sheet with 17 micron finish to be powder coated with Cushion on top and bottom storage openable door with lock.

Top Unit (Wall mounting): Barrier Wall unit size – 750W x 500D x 900H made out of 20/22 SWG CRCA sheet with 17 micron finish to be powder coated with openable door and lock.

History Card Rack: Rack Size : 750W x 500D x 1350H made out of 20/22 SWG CRACA sheet with 17 micron finish to be powder coated on top with drawer and bottom openable Door with locking arrangement.

Main Desk with ERU + Pedestal: Primary Work Surface Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top Soft closing access flap with in-build power box are provided on work surface for wire management. Secondary Work Surface Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with Modesty Panel Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top Understructure Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Pedestal Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Drawer fronts made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top Pedestal construction is BOX-BOX-FILE type which Uses powder coated 400 MM long metal Panel Drawer Slides. Drawer extension is 325 MM. Drawers have a soft closing & anti slam mechanism. Handles are provided for ease of opening. Pedestals are provided with lock for security.

Seating High Back Chair: Assembly: The Cushioned seat is made of injection moulded plastic outer & inner. Plastic inner is upholstered with leatherette and moulded High Resilience (HR) Polyurethane foam of Density 45±2 kg/m3 , and hardness load 16 ± 2 kgf as per IS:7888 for 25% compression. Seat Size : 47.0 cm. (W) x 48.0 cm. (D). Back Assembly : The Cushioned Back is made of PU Foam with in-situ moulded MS E.R.W R.W Round tube of size 1.9±0.03cm x 0.16 ± 0.0128cm. It upholstered with Leatherette. High Back Size: 47.7 cm. (W) x 76.4 cm. (D). Armrests(FU3301) The armrest top is moulded from polyurethane (PU) and moulded on to a drop lift adjustable type tubular armrest support made of Ø 3.81±0.03 cm x 0.2±0.01 cm thick M.S E.R.W Tube having chrome plated finish. The armrest height adjustable up to 6.5±0.5cm in 5 steps. Active Bio-Synchro Mechanism (FU3301) : The adjustable tilting mechanism is designed with the following features: 360° revolving type. Front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. Tile tension adjustment can be operated in seating position. 5 – position tilt limiter giving option of variable tilt angle to the chair. Seat/back tilting ratio of 1:2 . The mechanism housing is made up of HPDC Aluminium black powder coated. Seat Depth Adjustment ( FU3301) : Seat depth adjustment is integrated in the seat through a sliding mechanism. Seat depth adjustment range is of 6.0±0.5 cm. Adjustable Back Support ( FU3301) Back frame is connected to the Up/Down mechanism housed in plastic T spine. It can be adjusted in the range of 7.42±0.5cm for the comfortable back support to suit individual need. Pneumatic Ht. Adjustment (FU3301): The pneumatic height adjustment has an adjustment stroke of 10.0±0.3 cm. Pedestal Assembly (FU3301) : The pedestal is high pressure die cast polished aluminium and fitted with 5 nos. twin wheel castors. The pedestal is 65.0±0.5cm. pitch-
centre dia.(75.0±1.0cm. with castors.) Twin wheel castor (FU3301): 5 Nos. twin wheel castors are injection moulded in plastic having 6.0±0.1 cm. wheel diameter and assembled to pedestal.

**Storage** - Product Size:-2060*(H)x500(D)x 500(W) Construction & Material Aesthetically appealing completely knock down construction. The add-on units are stack widthwise to form a row of storage having a common side panel. (Note- The total width of the unit with main and add-ons should not exceed 2meters) Legs fitted with screw type leveler (add 40mm to the height) Made from combination of CRCA 0.5 mm & 0.8 mm Thickness. Shelving:-Height wise Adjustable Shelf Mounting Each Full shelf has Load Capacity of 40 Kg UDL Max. 4 Nos. of full adjustable shelves. Finish Epoxy Powder coated to the thickness of 50 microns (+-10). METAL DOOR FOR CUPBOARD: (500W) Construction & Material : Made from combination of CRCA 0.5 mm & 0.8 mm Thickness. Steel hinged door with self closing hinges. Handle: Handle Aesthetically appealing, Ergonomic, Made of Aluminum. Locking:3way locking Finish: Epoxy Powder coated to the thickness of 50 microns (+-10).

**Vertical Filing Cabinet:** Models & Product Size: 2 Drawer: Width: 470mm Height: 710mm Depth:620mm 4 Drawer Width: 470mm Height: 1320mm Depth: 620mm DMX Drg. -PL13-A3-1532 R1.Construction: Rigid Knock Down Construction. Material: CRCA 0.6mm Thickness Drawer front: Easy to grip Full length Handle recess integrated into Metal Drawer fronts. Drawer Size & Files type For hanging ‘Ezee’ / ‘Visa’ files (Foolscap) from front to back (Files Along the Width) No. of 20 mm thick file which can be hanged in above way per drawer is 28. Locking & anti-tipping Arrangement Centralized locking with 10 lever Cam Lock & having anti-tipping arrangement to ensure that when one drawer is opened for use, it does not allow other drawers to be opened. Slide: High quality precision ball slide. Tested for 30 kg. UDL for 75,000 cycles (BIFMA cyclic test). Finish: Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10).

**Other Requirements**

1. Workers/Contractor given by the vendor should be well experienced in above mentioned job.
2. Vendor/Contractor and his work force should have experience of working in BARC premises related to above mentioned jobs.
3. At least 2 Customer feedback forms stating the quality of work
4. **Certificate:** The bidder/parent company should possess the key professional staff, at least one, in his organization with good knowledge of codes and standards like SEFA, OSHA, EN 14175, ASHRAE 110. Such professionals should have a valid membership of SEFA and in addition membership of any of the international governing standards, ISO 9001-2015, ISO 14001-2015, BS OSHAS 18001-2007 (For design, Development, Manufacturing, supply and servicing)