

**Government of India  
Bhabha Atomic Research Centre  
Nuclear Agriculture and Biotechnology Division**

Ref: NABTD/2018/OPA/

June 20, 2018

**Sub: Supply and fixing of three sets of lab furnitures.**

Quotations are invited for "Supply and fixing of three sets of lab furnitures (Refer annexures for detailed specification and mandatory requirements).

1. Taxes and excise duties shall be quoted separately. Form AF shall be provided wherever necessary.
2. The quotations are to be strictly in printed letter head and the quotation format should consist of sales tax registration number registered with local ST authority/CST authority, PAN number of the firm, service tax registration number etc.
3. The quotation must reach the undersigned by **15 July, 2018** and must be sent in a sealed envelope superscribed **with the below reference number and due date given above, by SPEED POST only.**
4. The address on the envelope should read

Reference No.: NABTD/2018/119907

Dated 12<sup>th</sup> June, 2018

**Dr. Penna Suprasanna  
Nuclear Agriculture and Biotechnology Division,  
Bhabha Atomic Research Centre,  
Mumbai 400 085**

5. There is no need of inspection.
6. Payment will be made against delivery.
7. The bidder shall deliver the finished components within 2 months from the date of firm purchase order issued to the bidder.
8. Associate Director (A), Bio-Science Group, BARC reserves the right to accept/reject any or all quotations without any reason.

  
Dr. Penna Suprasanna  
SO/H, Head, PSP&B Section, NABTD

Forwarded through

  
Dr. V. P. Venugopalan  
AD(A), BSG & Head, NABTD

डॉ. वि.पि. वेणुगोपालन/Dr. V. P. VENUGOPALAN  
सह-निदेशक (अ). जैव-विज्ञान वर्ग एवं  
ASSOCIATE DIRECTOR (A), BIO-SCIENCE GROUP &  
अध्यक्ष. नाभिकीय कृषि एवं जैव-पौद्योगिकी प्रभाग  
HEAD, NUCLEAR AGRICULTURE & BIOTECHNOLOGY DIVISION  
भाभा परमाणु अनुसंधान केंद्र /BHABHA ATOMIC RESEARCH CENTRE  
भारत सरकार /GOVERNMENT OF INDIA  
ट्रॉंबे, मुंबई-400 085./TROMBAY, MUMBAI-400 085.

To,  
Web display and notice board.

### Annexure-A: Supply of three sets of lab furnitures

Sr. No.		Quantity	UOM
<b>A</b>	<b>Lab Furniture-I</b>		
1.1	Providing & Placing Lab furniture with Metal Body, Drawer, Shutter and Reagent Rack and Fire Resistant Electrical Trunking and Sink with pegboard ,Work surface Jet black Granite Top 20mm (2mm+/-) As per technical specification attached. Size - 7500W x 760D x 900H= 1 Nos.	1	Nos
1.2	Providing & Placing Lab furniture with Metal Body,Shutter and Leg Space Combination and Work surface Jet black Granite Top 20mm (2mm+/-) As per technical specification attached. Size-2100W x 610D x 900H = 1 Nos.		
1.3	Providing & Placing Lab furniture with Metal Body, Drawer, Leg Space Combination and Reagent Rack and Fire Resistant Electrical Trunking and Work surface Jet black Granite Top 20mm (2mm+/-) As per technical specification attached. Size - 3600W x 760D x 750H= 1 Nos.		
1.3	High Back Chair	3	Nos
1.4	Lab sitting stools	2	Nos
<b>B</b>	<b>Lab Furniture-II</b>		
1.1	Providing & Placing Lab furniture with Metal Body, Drawer, Shutter, Leg Space, Reagent Rack and Fire Resistant Electrical Trunking. Work surface Jet black Granite Top 20mm (2mm+/-) As per technical specification attached. Size - 4500W x 750D x 750H = 1 Nos	1	Nos
1.2	Providing & Placing Lab furniture with Metal Body, Drawer, Shutter, Leg Space, Reagent Rack and Fire Resistant Electrical Trunking and Sink with pegboard. Work surface Jet black Granite Top 20mm (2mm+/-) As per technical specification attached. Size - 4800W x 1500D x 900H = 1 Nos		
1.3	Lab Table (1200WX600Dx728H)	2	Nos.
1.4	Lab Table- (Main-1500x750x740 ERU-1050x450x705) with Ped.	1	Nos.
1.5	Lab Table (900x600x750)	3	Nos.
1.6	VSDU -8	1	Nos.
1.7	High Back Chair	7	Nos.
1.8	Visitor Chair	2	Nos.
1.9	Lab setting stools	5	Nos.
<b>C</b>	<b>Lab Furniture-III</b>		
1.1	Pentagonal Work Surface - 1200W x 1500D x 750H. PROVIDING AND PLACING 52.4MM THICK 1200 MM HIGH PANELS IN WISH SYSTEM. WITH COMBINATION OF METAL RACEWAY AT BOTTOM, TWO INTERMEDIATE FABRIC BLOCKS, TOP TILE - FABRIC TACKABLE, WHITE BOARD, FABRIC MAGNETIC. PROVIDING POWDER COATED LEGS.	1	Nos.
1.2	Free standing pedestals with 3 drawers and central locking system, suitable for storing fullscape files in depth wise manner & A4 size files in width wise manner.	1	Nos.
1.3	Metal KBPT. Metal Tray made up of 0.9 mm thick CRCA 'D' grade	1	Nos.

	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.		
1.4	CPU trolley - Size :- 230mm W -345mm W X 226mm D X 180mm H. Base tray to be made up of 1mm thk MS CRCA steel and side support to be made up of 0.8 thk. MS CRCA sheet. Non lockable twin wheel castors to be injection moulded in Black Nylon.	1	Nos.
1.5	Providing & Placing Lab furniture with Metal Body, Drawer, Shutter, and Fire Resistant Electrical Trunking and Work surface Jet black Granite Top 20mm (2mm+/-) As per technical specification attached. Size - 5100W x 750D x 750H = 1 Nos	1	Nos.
1.6	Providing & Placing Lab furniture with Metal Body, Drawer, Shutter, and Sink with pegboard Fire Resistant Electrical Trunking and Work surface Jet black Granite Top 20mm (2mm+/-) As per technical specification attached. Size - 3150W x 750D x 750H = 1 Nos		
1.7	Providing & Placing Lab furniture with Metal Body, Drawer, Shutter, and Fire Resistant Electrical Trunking and Work surface Jet black Granite Top 20mm (2mm+/-) As per technical specification attached. Size - 1800W x 750D x 750H = 1 Nos		
1.8	High Back Chair	1	Nos.
1.9	Lab setting stools	2	Nos.

## Annexure-B

### Detailed Technical Specification and Mandatory Requirements

The bidder should be a manufacturer registered in India or their authorized dealer or should be 100% subsidiary in India of parent company, if any.

1. Joint ventures are not accepted.
2. The bidder should have an Office in Mumbai, Maharashtra for faster and better service. If an authorized dealer is bidding for the parent company then the authorized representative should be having an office for the last 5 years.
3. Should have satisfactorily completed installation of laboratory furniture works in India only as mentioned below during the last Seven years ending last day of the month March 2018:
  - Three similar works costing not less than 40% of quoted value or
  - Two similar works costing not less than 60% of quoted value or
  - One similar work costing not less than 80% of quoted value"Similar work" shall mean lab furniture comprising of lab work benches, electrical, Lan & utility distribution, etc.

**Required: Documentary Evidence.**

4. Should not have incurred any loss in the last five years ending 31st March 2018.  
**Required: Documentary Evidence.**
5. Vender/Contractor should have precleared security vetting of his company/firm as per BARC security rules.
6. All workers/labors of the vendor's/contractor's company/firm should have PVC not expiring during the tender period (i.e.from the date of this enquiry till completion of job after getting work order)
7. Vender/Contractors coming inside for any technical discussion about the fabrication or survey of the site should have a valid pass of BARC. TEP will not be made by BARC.
8. All workers/Labors of the vendor/contractor for the execution of job in this tender should have proper PPE and arrangement for all above shall be made by Vender/Contractor.
9. Workers/Contractor given by the vendor should be well experienced in above mentioned job.
10. Vendor/Contractor and his work force should have experience of working in BARC premises related to above mentioned jobs.
11. At least 2 Customer feedback forms stating the quality of work and overall feedback of Project Values of at least Rs.30 Lacs.  
**Required: Documentary Evidence.**
12. SEFA Membership Certificates for at least last four years on a continuous basis.
13. SEFA 8M approved from A SEFA Certificates Lab
14. SEFA 10 approved from A SEFA Certificates Lab
15. All cabinets to be completed welded design.
16. **Test Report:** Welded Cabinets should be third-party tested for SEFA 8M by NABL approved Lab.

17. **Test Report:** 1000-hour salt spray Test Report by a third-party is required.

18. **Membership 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)

➤ **Scope of Work**

- Supply and Installation of Laboratory Workbenches/Storage units including granite worktops and other supporting structures/hardware's based on the specified Make List. This includes delivery to ABC, unloading the consignment and transporting it from the place of storage to the installation site.
- Supply & Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches & fittings identified on drawings as mounted on the laboratory furniture.
- Supply & Installation of all laboratory sinks, bottle traps, drain troughs etc.
- Supply & Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings.
- Removal of debris, dirt and rubbish accumulated as a result of installation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.

➤ **Basis of Work**

- It is the intent of this specification to use specified make list as the standard of construction for steel laboratory furniture. The construction standards of this product line shall provide the basis for quality and functional installation.
- ABC reserves the right to reject qualified or alternate proposals and to award based on product value where such action assures the owner greater integrity of product.
- Participants in the quotation process have the option of clarifying deviations to the specified design, construction or materials. Without such clarifications, sealed quotations to ABC will be construed as being in total conformance to the requirements of the specification.

➤ **Quality Assurance**

- The steel laboratory furniture manufacturer shall provide work tops and casework all manufactured & shipped with proper packing & should take the full responsibility of the entire Scope of Works as specified in the tender.
- General Performance: Furniture shall meet the performance requirements and should follow SEFA 8 & 10 guidelines

➤ **Submittals**

- Manufacturer's Data: Submit installation instructions for each type of casework.
  - Samples: Samples if called for will be reviewed for color, texture, and pattern only.
  - Shop Drawings – Submit shop drawings for furniture assemblies showing the required details.
- **Products/Manufacturers**
- The selected manufacturer must warrant for a period of one-year starting (date of acceptance or occupancy, whichever comes first that all products sold under the contract referenced above shall be free from defects in material and workmanship.

## LAB FURNITURE

### a. Floor Based Cabinet with Metal Skirting

- Welded cabinet body should be flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel.
- It should be relocated anywhere easily as it is an independent unit.
- Cabinet should of square non-sharp edge construction.
- Doorsshould be assembled with SS-304 hinge assembly.
- Removable back panel should be provided to easily access the service lines running behind the cabinet benches.
- Intermediate horizontal channels should be provided between door and drawer.
- Toe-space of 90mm X 90mm is provided at front-bottom side of cabinet.
- Levelers are provided for easy leveling of welded cabinet.
- Shelf should be eight-bend panel with 20mm height.
- Drawer tray should be of single piece construction. Drawer should be well supported on LH and RH ball slide suspension system.
- Steel door and drawer front should be of double wall construction with sound dampening material filled inside.
- Doors should be easily removable and hinges should be easily replaceable. Knee space panel should be in 22 gauge construction
- **Dimensions:**As Per BOQ
- **MOC:** MSCRCA: IS – 513 (1994)
- **Thickness:**
  - LH/RH side panels, shutter front, Bottom panel, Top front, Drawer separator, shelf, Alignment channel is of 1.2mm thk.
  - Removable Back panel, Shutter cover, Fr. Rack strip, Top cover panel is of 0.8mmthk
- **Finish:** Powder coating pure epoxy, thickness 40-50 microns
- **Handle:** Anodized Aluminum Recessed-Type, **CTC:** 160.0mm
- **Lock:**Units have a locking facility with 180° and 10 lever cam lock mechanism (except for sink and corner unit)
- **Hinge:** SS Hinge **Screw:** SS 304

Shutter should be of twin-type construction with sound dampening effect using profeel. Shutter cover should be equipped with Bump on for sound dampening. Base Mouldings should be made of PVC with corner clips. Ball Slide: 500mm Length (Godrej-Make) (required only for drawer unit). Shutter should have provision of roller catch

## **WORKTOP**

### **a. GRANITE**

- It should be 20 +/- 2 mm thick, jet black granite with edges having chamfer of 4 x 4 mm on top side. The overhang on the storage cabinet should be 25 mm at the front side and 30 mm at the sides
- The backing material used for granite should be a neoprene mat of 6 mm thickness

## **SINK (SS SINK)**

- **Sink Units** – Sinks should be available in Steel (with or without drain board), Ceramic & Polypropylene. The standard size of is as follows:

- SS Sink: 520 x 440 x 200 mm

Sink unit should also have 3-way (2 Straight + 1 Swan Neck) water faucet made up of Brass and with Epoxy powder coatings.

## **PEGBOARD (MOC: SS)**

- These should be Single faced high grade stainless steel pegboard having a tray hole for water drainage and detachable pegs.
- The essence should be made up of 1 mm thick stainless steel (SS 304) whereas the pegs should be made up of polypropylene and will be adjustable with a minimum 10mm distance between each peg

## **ELECTRICAL TRUNKING**

- Electrical trunking is made up of 0.8mm thick CRCA MS Sheet.
- The complete M.S. material of cabinet should be pre-treated (degreased, Zinc phosphated) and epoxy powder coated for better corrosion resistance.
- The thickness of powder coat should be 45-50 microns, which passes the test of Salt Spray for 1000 hours.
- It should have a high temperature withstanding capacity with excellent electrical insulation properties.
- The rear portion of above accessories which is in contact with live metal should be made from thermo set material which will not melt on heating.

## **SWITCHES AND SOCKETS**

- These are made of High gloss virgin grade engineering thermoplastics to impart a defect free surface.

- They impart excellent electrical insulation properties i.e. do not melt on heating or catches fire.
- Owing to this all electrical switches and sockets are capable of handling higher currents and operating temperatures.
- Front plates can be changed at any time with ease without disturbing the wiring to quickly and economically match changes in the surroundings.

### KEY-BOARD PULLOUT TRAY

- KBPT used should have a sliding mouse pad tray
- The mounting brackets ensure height adjustment.
- It also should have a smooth quite movement because of ball bearings and a load bearing capacity of 12 kg

### ELECTRICAL WIRING

FRLS Grade wiring work done through approved contractor (NorthWest / Roma / Legrand).

### MAKES OF ITEMS

Steel	TATA Steel/Jindal
Powder Coating	Kansai Nerolac/Asian Paints
Water Faucets and Gas Valves	Broen/Watersaver
Switches and Sockets	Northwest/Legrand
Locks	Godrej
Ball Slides	Godrej/Hettich
Keyboard Tray	Ebco
Hinges	Hettich/Darshana

### OTHER FURNITURE

#### 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. 1200mm 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 prelaminate / 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 tackability. 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 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.

**Pedestal** -Size 646mm H X 390mm W X 435mm D. 3 drawer pedastal unit (box + box + file) to be made out 0.8mm thk CRCA for body shell, drawer tray, front & rear side stiffner. Top & bottom stiffner of 1.2mm thk. 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 polyester power coated with 40 to 50 microns.

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

**Metal 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.

## **ERGONOMICALLY DESIGNED VISITOR CHAIR**

### Technical Specification

Upholstered with fabric, High resilience polyurethane foam, One-piece Armrests, Tubular frame.

Back: (W)47.5 cm x (H)58.0Cm, Seat : (W)47.0cm x (D) 48.0cm

Overall Dimensions of Chair Seat Height - 46.5cm. Height - 89.5cm.

Width & Depth of Chair as measured from pedestal - Width-61.4 cm and Depth-64.5 cm.

The seat and back shall be made up of 1.2 ±0.1cm. thick hot-pressed plywood measured as per QA method described in OCP-QLTA-P14-18 and upholstered with fabric upholstery covers and

moulded Polyurethane foam. The back foam shall be designed with contoured lumbar support for extra comfort. The seat shall be extra thick foam on front edge to give comfort to popliteal area. The dimensions of back shall be 47.5 cm(W) x 58.0 cm(H) and of seat shall be 47.0 cm (W) x 48.0 cm (D). The HR polyurethane foam shall be moulded with density=  $45 \pm 2$  kg/m<sup>3</sup> and hardness load  $16 \pm 2$  kgf as. per IS:7888 for 25% compression. The one-piece armrests shall be injection moulded from black Co.polymer Polypropylene. Overall Dimensions of Chair shall be Seat Height - 46.5cm, Height - 89.5cm, Width & Depth of Chair as measured from pedestal - Width-61.4 cm and Depth-64.5 cm.

## **ERGONOMICALLY DESIGNED REVOLVING CHAIR**

### Technical Specification

Upholstered with fabric, High resilience polyurethane foam, One-piece Armrests, Center tilt synchro mechanism, 360-degree revolving type, Upright position locking, Tilt tension adjustment, Seat/back tilting ratio of 1:3, pneumatic height adjustment, Telescopic bellow assembly, Pedestal assembly with Twin wheel castors.

Back: (W)47.5 cm x (H)69.5cm, Seat: (W)47.0cm x (D) 48.0cm  
Overall Dimensions of Chair Seat Height - min 42.5 to max 54.5cm. Height - min97.0 to max 109.0cm.  
Width & Depth of Chair as measured from pedestal - Width-76.3 cm and Depth-76.3 cm.

The seat and back shall be made up of 1.2  $\pm$ 0.1cm. thick hot-pressed plywood measured as per QA method described in OCP-QLTA-P14-18 and upholstered with fabric upholstery covers and moulded Polyurethane foam. The back foam shall be designed with contoured lumbar support for extra comfort. The seat shall be extra thick foam on front edge to give comfort to popliteal area. The dimensions of back shall be 47.5 cm(W) x 69.5 cm(H) and of seat shall be 47.0 cm (W) x 48.0 cm (D). The HR polyurethane foam shall be moulded with density=  $45 \pm 2$  kg/m<sup>3</sup> and hardness load  $16 \pm 2$  kgf as. per IS:7888 for 25% compression. The one-piece armrests shall be injection moulded from black Co.polymer Polypropylene. The mechanism shall be designed with 360° revolving type, Upright-position locking, Tilt tension adjustment, Seat/back tilting ratio of 1:3. The pneumatic height adjustment shall has an adjustment stroke of 12.0  $\pm$ 0.3cm. The bellow shall be 3 piece telescopic type and injection moulded in black Polypropylene. The pedestal shall be injection moulded in black 33% glass-filled Nylon-66 and fitted with 5 nos. twin wheel castors. The pedestal shall be 66.3  $\pm$ 0.5cm. pitch-center dia. (76.3  $\pm$ 1.0cm with castors). The twin wheel castors shall be injection moulded in Black Nylon. Overall Dimensions of Chair shall be Seat Height - min 42.5 to max 54.5cm, Height - min97.0 to max 109.0cm, Width & Depth of Chair as measured from pedestal - Width-76.3 cm and Depth-76.3 cm.

## **ERGONOMICALLY DESIGNED REVOLVING STOOL**

The seat is made up of 1.2 $\pm$ 0.1cm thick flat plywood with moulded polyurethane foam (Density =  $45 \pm 2$  kg/m<sup>3</sup>) and are upholstered with replaceable synthetic leather covers. The manual height adjustment should be very easy to operate with help of a knob. It can be easily locked at the most comfortable position. It should have twin wheel castors, injection moulded in black nylon.

## **Annexure-C**

### **Criteria to be eligible bidder**

- Vendor should be able to arrange a visit to their manufacturing & testing facility/site.
- Vendor tendering should be able to show sample pieces of the material.
- Images & certificates regarding the quality of products have to be attached by the Vendor along with tender wherever applicable.
- Vendor should supply reputed furniture to maintain quality & standards.
- Vendor should provide main & add-on combination of tables to avoid gaps between the units. All units have interlocking type construction to form a rigid integral structure.
- Vendor should produce work order copy of similar kind of work of at least 80% value of the present tender and also should produce completion certificate of the same.
- Vendor should have experience in supply of laboratory furniture to DAE.
- Vendor will have to supply & install all tendered items as per the lay out designed for the laboratory by the user which will be supplied along with purchase order. No separate installation will be provided.
- Vendor should quote for all the items mentioned in the tender. Provisions for placement of part-order may not be available.
- Vendor will be responsible for removal of old furniture & discarding them at appropriate places as per BARC regulations. No separate charges will be paid to the Vendor for the same.
- All the products should be provided along with necessary certificates of testing & quality assurance.
- All metallic units should be made from M.S. grade D (As per IS: 513-1994).
- All metallic surfaces are to be epoxy powder coated with glossy finish & the finished products should have undergone seven tank test.
- All the seating arrangements should be BIFMA certified.
- Workstations should be GRIHA compliant.
- All drawers should have passed more than 55000 cycles of drawer cycle test.
- The items should be knock-down assembly wherever applicable.
- All metallic surfaces should be anti-corrosive in nature.
- Vendor should give own manufacturing process, product specifications to meet the requirement of purchaser.
- All electrical wiring on the working tables must be FRLS class & all electrical switches must be of fire retardant materials with certified electrical contractor certificate.
- All the internal wiring distribution in the trunking of the lab working tables has to be done by the Vendor. Also wiring to mains to the tables has to be done by the Vendor. No separate charges will be paid for the same.
- Size & specifications of all working tables & other lab furniture should adhere to details as mentioned in the tender.
- Supplier has to provide complete assembly and disassembly instruction manual with all deliverables having knock-down design. Supplier shall also provide manual describing day-to-day maintenance measures and precautions to be considered while using the deliverables, to ensure durability of the deliverables.

- For all the work, Vendor will be responsible to arrange/provide required security requirements for their labors/staff/supervisors & vehicles. All the laborers & supervisors needed for installation in BARC premises should have valid Police Verification certificate as per BARC security guidelines.
- Supply & installation has to be completed within 12 weeks from receiving work order.