

 <p>IIT PALAKKAD</p>	<p>भारतीयप्रौद्योगिकीसंस्थानपालक्काड Indian Institute of Technology Palakkad अहलिआ एकीकृत कैम्पस, कोज़िहपारा Ahalia Integrated Campus, Kozhipara पालक्काड- 678557 Palakkad – 678 557</p>	<p>दूरभाषसंख्या/ Phone no: 04923 – 226 586/561 ईमेल/ Email : purchase@iitpkd.ac.in</p>
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Tender for Inviting Quotations

Ref No: IITPKD/EWD/019/2018

Date: 06.06.2018

Due date for the tender: 21.06.2018 at 3.00 PM

Dear Sirs,

On Behalf of Indian Institute of Technology Palakkad quotations are invited for **Providing and Fixing Modular Partition in Academic Complex, Transit Campus at Kanjikode** confirming to the specification in the Annexure.

- 1. Preparation of Bids:** - The tenders should be submitted **under two-bid system** (i.e.) Technical bid and Financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. No prices should be included in technical bid. Financial Bid should indicate item – wise prices for the items mentioned in the technical bid. The technical bid and the Financial should be put in separate cover and sealed. Both sealed covers should be put into a bigger cover. If it is single bid cover, the quotation will be rejected automatically.
- 2. Opening of the Bids:** The offer/ Bids will be opened by the committee duly constituted for this purpose. The Technical bids will be opened and will be examined by the Technical Committee, Which will decide the suitability of the bid as per the specification and requirements. The financial offers/ bids will be opened only for the bidders **who meet all the Technical requirements.**
- 3.** The Quotations duly sealed and superscribed on the envelope **with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above. Fax and Email quotation are not acceptable.**
- 4.** The price should be quoted per unit inclusive of and packing and delivery charges should be indicated. The offer/bids should be exclusive of Taxes However the percentage of taxes as on date should be clearly indicated.
- 5.** The Quotations should be valid for **sixty days** from the due date and the period of delivery required should also be clearly indicated.
- 6.** Goods shall not be supplied without an official supply order.

7. **Custom Duty:** Custom Duty which will be paid at a concessional rate against duty exemption certificate.
8. **Concessional GST:** Concessional GST@ 5% will be paid extra against GOI Notification 47/2017, Dated 14.11.2017
9. **Payment:** Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later. No advance payment will be made. The Tenderer have to furnish the bank details along with tender such as Account No, Account Name, IFSC Code etc.,
10. **Submission of Bids:** Quotation should be sent to the following address "The Registrar, Indian Institute of Technology Palakkad, Ahalia Integrated Campus, Kozhipara, Palakkad -678 557, Kerala", Phone No: 04923 226 586/561 , Email : purchase@iitpkd.ac.in
11. **Delivery Period:** The quotation should indicate clearly when delivery and installation will be made.
12. **Delay in Supply or Liquidate damages:** If the supplier fails to deliver the stores within the time specified in the purchase order, the purchaser will recover from the supplier as liquidated damages a sum of one- half of one percent (0.5%) of the P.o value of the undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed five percent (5%) of the P.o price of the unit or units so delayed. Stores will be deemed to have been delivered only when all their component parts are also delivered. If certain components are not delivered in time, the stores will be considered as delayed until such time as the missing parts are delivered.
13. **Late offer:** The quotation received after due date will not be considered. Please ensure that your offer is sent well in advance to reach the Institute by the due date.
14. **Warranty:** The bidder shall specify the warranty period clearly for the furniture.
15. **Acceptance and Rejection:** IIT Palakkad has the right to accept the whole or any parts of the Tender or portion of the quantity offered or reject it in full without assigning any reason.

Yours faithfully



Registrar, IIT Palakkad

Schedule of quantity

Name of work:Providing and fixing Modular Partition in Academic Complex, Transit campus, IIT Palakkad

Item No	Description of items	Quantity	Unit	Rate(Rs)	Amount(Rs)
1	<p>Providing and fixing 50mm thick Modular partition including L shape table:- <u>Modular partition shall consist of :</u> The frame of side partition shall be made out of 1.5mm outer shell and 1mm thick inner connection of CRCA sheets, duly epoxy powder coated to desired colour to a thickness of 50-60 microns.</p> <p>(a)The dual type raceways shall be made out of 0.8mm thick CRCA sheet which allows both vertical & horizontal movement of wires.</p> <p>(b)The Fabric tile fixed to the partition shall be made up of 6 mm thick Medium Density Fibre Board (MDF/ exterior grade) and Covered with Fabric (ISO 105 with recyclable ployster cloth) of desired choice.</p> <p>(c)The Whiteboard marker tile shall be made up of 6 mm MDF with 1mm thick glossy finish.</p> <p>(e)Magnetic tile: Constructed out of 0.8mm Galvanized sheet and covered with fabric of choice</p> <p>(d)Glass Marker tiles: 6mm Glass with white Vinyl Backing.</p> <p>(e)All frames shall be fixed with powder coated aluminium trims with capping on edges etc. as directed by the Engineer in Charge.</p>				

	<p><u>L-shaped table:</u> L-shaped Executive Workstation table having 25mm thick table top made up of prelaminated particle board exterior grade conforming to IS 12823 with flat edges 2mm thick PVC edge banding & including providing front modesty with 18 mm thick prelaminated particle board. The side panel shall be fixed with metal square frames of size 40 x 20mm (16 guage)</p> <p>Note: The rate for each set is inclusive of cost of partition and L shaped table(The item shall be as per specification attached as annexure I , II and drawing annexure III)</p>				
1.1	<p>Partition size:- 3000 (L) x1200 (H) x50 (W)</p> <p>L-shaped table top outer dimension:- 1650(L)mmx750mm(W)x760mm(H)and 1200mm(L)x 450 mm(W)x 760mm(H)</p>	10 Set	Each Set		
1.2	<p>Partition size:- 1570 (L) x1200 (H) x 50(W)</p> <p>L-shaped table top outer dimension:- 1650(L)mmx750mm(W)x760mm(H)and 1200mm(L)x 450 mm(W)x 760mm(H)</p>	4 Set	Each Set		
1.3	<p>Partition size:- 1650 (L) x1200 (H) x 50(W)</p> <p>L-shaped table top outer dimension:- 1650(L)mmx750mm(W)x760mm(H)and 1200mm(L)x 450 mm(W)x 760mm(H)</p>	2 Set	Each Set		
1.4	<p>Partition size:- 1500(L) x1200 (H) x 50(W)</p> <p>L-shaped table top outer dimension:- 1650(L)mmx750mm(W)x760mm(H)and 1200mm(L)x 450 mm(W)x 760mm(H)</p>	2 Set	Each Set		
1.5	<p>Partition size:- 1600(L) x1200 (H) x 50(W)</p> <p>L-shaped table top outer dimension:- 1650(L)mmx750mm(W)x760mm(H)and 1200mm(L)x 450 mm(W)x 760mm(H)</p>	4 Set	Each Set		
1.6	<p>Partition size:- 600(L) x1200 (H) x 50(W)</p> <p>L-shaped table top outer dimension:- 1650(L)mmx750mm(W)x760mm(H)and 1200mm(L)x 450 mm(W)x 760mm(H)</p>	12 Set	Each Set		

2	Supply of Mobile pedestal consist the mobile Drawer unit with three drawers made up of 18mm thick pre-laminated particle board with center locking facility.The Drawer units are made mobile with the use of castors. The drawer units are provided recessed handle and suitable locks. Mobile pedestal of size-450 mm(L) x 400mm(W) x600mm(H)	12 No.s	Each		
3	Supply of Storage Unit of height 900 mm made up of 18mm thick prelaminated particle board (ISI MARK) for outer carcasse 25mm top panel and 18 mm thick for openable shutters with auto close hinges .The two inside shelves shall be of 25mm thick arranged as three compartments.Dimension- 900mm(H)X1000mm(W)X 450mm(D) . All complete as as approved by the Engineer- in-charge.	32 No.s	Each		

Annexure -1

A. Technical specifications of the Frame:

1. The frame verticals shall be made out of 1.5 mm thick CRCA sheets confirming to IS – 513.
2. The horizontal members shall be fabricated with welded joints to the vertical to make the frames sturdy and facilitates carriage of cables at different levels.
3. All the frames shall be fitted with M10 leveling bolts to adjust to ground undulations +/- 20 mm.
4. Frames are to be provided with anchoring arrangement if required.
5. All the Frames shall be duly powder coated in charcoal black colour to a thickness of 50-60 microns confirming to ASTM B – 117, ISO – 1520 and ISO – 1518 & ASTM D – 2794.
6. The frame shall have various slots at different heights for fixing of table top brackets, tiles and shelves.
7. It should be possible to join the *frames at 120 degrees* with suitable connecting posts.
8. All frames shall be fixed with aluminum trims confirming to IS – 733. These trims are to be finished in an epoxy powder coating finish.
9. The connectors to the frames shall be made out of ABS plastic of a matching colour to the trims confirming to ASM standards.

B. Cable management.

1. Effective Cable management system.
2. The data and the power cables should be able to run at different levels (called Raceways) to maintain the separations as per the IT norms.\
3. The wire management slots in the frames to be large enough to manage high volume of data cables (CAT-6) - approx- 40-50 CAT-6 cables.
4. Vertical movement of the cables in addition to the two/ three levels of horizontal passage to be possible.
5. To be designed for"clip on" raceway which permits easy maintenance.
6. These raceways be either **above** or **below the tabletop**.
7. The Skirting raceways shall be 100 mm and the raceways at the table top level shall be of 150 mm.

C. Tiles:

1. Fabric Tile: Made out of 6mm thick Medium Density Fiber Board (MDF) conforming to IS – 12406 and covered with Fabric of approved colour.
2. Laminate Tile: Made out of 6mm thick Pre-laminated Particle board conforming to IS 12823 edge banded by 0.4mm PVC edge banding confirming to IS – 12923.
3. Magnetic tile: Constructed out of 0.8mm Galvanized sheet and covered with fabric of choice.Magnetic tile one for each cabin
4. Glass Marker tiles: 6mm Glass with white Vinyl Backing.One for each cabin.

D. Work surface:

1. Table tops shall be made out of 25mm Pre-laminated particleboard (PLB) with PVC edge banding.
2. Work surface shall be in MDF subject to the dimensional availability constraints.
3. The Work surfaces shall be in single piece without joints for all standard sizes of work station- subject to availability of PLB.
4. The work surface shall be done in different profiles as per ergonomic criteria.
5. The work surfaces shall be fitted with the standard wire manager caps- the standard size of 62mm.
6. The edges of the work surfaces will be sealed with PVC Edge banding to avoid moisture affecting the PLB and achieve ergonomic comfort during usage.

ANNEXURE-2

PARTICULAR SPECIFICATION FOR MODULAR WORK STATIONS

E. MODULAR PARTITIONS:-

1. The partitions should be modular both horizontally and vertically and it should provide easy flexibility to layouts such that it can be easily combined, realigned, interchanged and allow any addition or subtraction to it according to the changing needs, without any damage to the material.
2. The joining of the partitions should allow connectivity for 2, 3 or 4 workstations at one node to give any desired configuration. Partition will have different type of panels on the either side as per architectural drawing & details given in the specific item in schedule of quantities and as per salient technical features of modular partitions.
3. Panels should be snap fitted to the frame. Use of screws will not be allowed for fixing of panels. The raceway covers should be fixed with snap fit arrangement with the main frame.
4. Measurement
Work stations shall be measured in numbers for each 'L' shape.
5. Rate
The rate shall include the cost of materials & labour required for all the operations described in the nomenclature of the item & in particular specifications above.
6. The bidder shall be original manufacturers, who are International member of BIFMA for office Institutional furniture work or their authorized dealer/distributor. Contractors enlisted in CPWD under relevant class of furniture supply, shall also be eligible. The authorized dealer/distributor shall supply certificate from the approved manufacturer to the effect that the furniture under this contract has been supplied by them, to the department.
7. The manufacturer/contractor shall get approved the sample of all furniture items including shade/colour/latex foam/upholstery and necessary hardware (like hinges tower bolt knob, handle etc.) before the bulk supply from Engineer-in-charge. (One sample of each furniture item shall be got approved). The Engineer-in-charge or his authorized representatives will sign the approved sample of each item.
8. Upholstery required for furniture items shall be got approved from Engineer-in-charge before execution.
9. Rates shall be inclusive of upholstery required for furniture items.

10. The site for placing/fixing the furniture may be at one or more places at any floor levels for which nothing extra shall be paid.
11. Manufacture shall make all arrangements for inspection of furniture items at factory for checking the quality of wooden furniture before polish/upholstery work.
12. Engineering-in-charge at his discretion can carry out following tests on furniture as per **BIFMA** (Bureau of Industrial Furniture Manufacture's Association) in manufacturer lab. Manufacturer shall not charge anything for testing manufacturer is requested to furnish test certificate for following test carried for present lot or earlier lot of furniture as required by engineer-in-charge.
 - (i) Back durability test – cyclic
 - (ii) Seating impact test - cyclic
 - (iii) Base Test – cyclic
 - (iv) Castor Durability Test
 - (v) Castor retention Test
 - (vi) Castor a wheel pull out Test
Castor Breakability Test
13. The Firm/Agency or Authorized dealer shall inspect the site of work carefully before quoting the rates.
14. The contractor shall provide necessary cut out for computer, telephone and power outlets as per the approved sample/ shop drawing without any extra cost to the department.
15. All the edges of the particle boards except those which are post formed shall be sealed with PVC edge banding tape of 2mm thickness have primer at the back. The edge banding tape shall be rounded to a radius of 2mm to 3mm at hot edges and shall be not mealt, glued on edge banding machine.
16. All the post formed tops, work surfaces etc. shall have balancing lamination on the unexposed surface.
17. The Resins used in the furniture shall be of Phenol Formaldehyde and not of Urea Formaldehyde.
18. The contractor shall produce all the materials well in advance so that there is sufficient time for testing of the materials and clearance of the same before incorporation in the work.
19. Modular furniture shall be fabricated in the workshop only on State of Art the Modern Machines. No fabrication will be allowed at the site. Various fabricated units

shall be transported to site in proper packing & assembled/ erected in position as per approved layout.

20. The defect liability period shall be **two years from the date of record of completion certificate** of the work. During this period Firm/Agency or Authorized dealer shall be responsible for rectification of defects / replacement of defective furniture including hardware. All knock down furniture & hardware shall be guaranteed for a period of two years from the date of record of completion certificate as per enclosed guarantee bond against structural stability, faulty workmanship, defective materials, defective powder coating & edge banding etc. On receipt of a notice from the Registrar rectification/ replacement shall be done within 7 days. Failing which rectification/ replacement shall be taken up at the risk & cost of the Firm/Agency or Authorized dealer.
21. Factory dispatch document/ challan shall be issued by the agency while dispatching each consignment of the material from the factory.

22. Warranty:-

The bidder should furnish a warranty for a minimum 3 years against any manufacturing defects. During this period Firm/Agency shall be responsible for rectification of defects/replacement of defective furniture including hard ware. All furniture & hard ware manufactured, supplied and installed shall be guaranteed for a period of three years from the date of record of completion certificate as per enclosed guarantee bond against structural stability, faulty workmanship, defective materials, defective powder coating, edge binding and welding etc. On receipt of a notice from the Registrar rectification/replacement shall be done within 15/30 days.