

Department of Science & Technology

Katihar Engineering College
Katihar

Tender Document

For

Supply of Furniture

Principal
KEC Katihar

IMPORTANT INFORMATION

1. Non-Refundable Tender Cost:
Rs. 2000/- (Two Thousand only) through demand draft from a Nationalized Bank, drawn in favour of “**Principal, Katihar Engineering College, Katihar**” Payable at “**Katihar**”.
2. EMD:
Rs.10000/- (Ten thousand only) in the form of demand Draft from a nationalized bank in favour of “**Principal, Katihar Engineering College, Katihar**” Payable at “**Katihar**”.
3. Last Date of Submission of Tender Documents: **08/08/2019** in the office of the **Principal, Katihar Engineering College, Katihar till 4.30 PM.**
4. Opening date of Tender is 10th August 2019 at 11 AM.
5. Sample of each items should be presented by every bidder before the Purchase committee on 10th August 2019, during the technical bid evaluation.
6. Address for Correspondence and Clarification

Principal
Katihar Engineering College (New Campus)
Gerabadi Road, Hajipur, Katihar-854105
E-Mail [_principal@keck.ac.in](mailto:principal@keck.ac.in)

Part. I- Technical Bid

A. PLEASE NOTE THE FOLLOWING TERMS AND CONDITIONS FURNITURE

1. The bidder need to submit DD of **Rs. 10,000/-** (Ten Thousand only) in favour of “**Katihar Engineering College, Katihar**” Payable at **Katihar** along with the Technical Bid otherwise their tender will be rejected.
2. The tender will be opened on scheduled date and time as notified with tender document i.e. 10th August 2019 and the bidder or their authorized representative may be present during opening of the tender. Absence of bidder or their authorized representatives will not be a cause for rejection or non-validation of tender process.
3. Tender received after due date and time will not be entertained under any circumstances.
4. Only Original Equipment Manufacturer/ Authorized Dealer for last 3 years can participate: Name of the manufacturer/Mark/Brand should be mentioned in each item or equipment.
5. Test report of each item of the manufacturing company should be produced.
6. Similar experience of supplying items since 02 years at renowned polytechnics/Engg. College/IITs/ NITs/Universities of repute/ Govt. depts./ PSUS, abroad will be preferred. The bidder must have one single order of at least 1 crore.
7. The tender must include complete detailed specifications supported by printed Literature of the equipment.
8. The rate quoted should be F.O.R to destination inclusive of all taxes, installation, commissioning and successful demonstration of the items supplied (wherever applicable).
9. After installation and commissioning the agreed payment will be released.
10. Any request for alternation / correction in the specification and price in the tender document will not be entertained, once submitted.
11. Payment will be released only after delivery, verification of quality, specification and successful installation and commissioning at institute.
12. Any kind of defect in items or deviation from the specification if detected and reported, the supplier should replace the defected item immediately.
13. **Katihar Engineering College, Katihar** reserves the rights to select entire or the part items of the package on recommendation of the purchase committee.
14. **Katihar Engineering College, Katihar** reserves the rights to accept the lowest or any tender and of rejecting all or any tender without assigning any reason for the same.
15. Request for the supply of any substitute for any items or equipment other than mentioned in the tender, will not be entertained.
16. The entire dispute with regard to the contract of purchase of equipment etc. will be subject to Legal jurisdiction of Katihar only.

17. Manufacturer of the equipment will be required to furnish a certificate to the effect that they are manufacturer of such and such make and whereas Dealers will have to furnish a certificate issued by the manufacture certifying that M/S such & such is the dealer under brand name of equipment. Without this certificate the tender will not be accepted. The manufacturer should be ISO – 9001/ISO – 14001/BIFMA/ISO 13485 and AITO/Green Card certification.
18. The company should have the following conditions:
 - I. Audit balance sheet for last two consecutive financial years and the turn over should be at least 3 Crores per annum for previous three consecutive financial years.
 - II. Income tax return in name of organization/firm for last three Financial Assessment years.
 - III. Company PAN No.
 - IV. Copy of GST Registration Certificate & Latest Paid Challan.
 - V. Copy of authorization letter from original manufacturers.
 - VI. Technical Literatures and specifications of all the products being quoted.
 - VII. A judicial affidavit regarding that the firm is not blacklisted by state Government/Central Government.
 - VIII. Affidavit regarding 12 months on sight warranty at the institute should be produced.
19. The tender should bear all the transportation & insurance risk till delivery point.
20. The tender will have to quote tender in serial order as in the tender Document without modifying/tempering the specification mentioned therein, however for sake of clarity further add-on specification, if any can be mentioned in separate column.
21. **Katihar Engineering College, Katihar** will have right to add/ alter any terms and conditions as per existing financial/ treasury rules and provisions applicable in the Bihar state if it has not been include/ addressed in the terms and conditions
22. Materials having ISI/ISQ/Engg. Marks will be accepted.
23. Tender must quote BOQ no./ Money Receipt No. at the top of the Envelope.
24. Purchase committee reserve the right to change the terms & condition for Furniture, if situation so arises.
25. The bidder must mention the period during which materials should be supplied certainly.
26. Sample of each items should be presented by every bidder before the Purchase committee on 10th August 2019, during the technical bid evaluation.

Part- II Financial Bid: It must contain the following

Rates per unit must be inclusive of Freight, Taxes and duties, and Transportation charge etc.

- i. The bidder is required to fill all the two parts of the documents in the separate sealed Envelopes, which should be super, subscribe as “TECHNICAL BID”- For supply of furniture and “FINANCIAL BID” – for supply of furniture. The two envelop should be kept in an another separate sealed envelope superscript as “**Tender for supply of furniture**” on the top.

The financial bid should be addressed to:

**Principal
Katihar Engineering College (New Campus)
Gerabadi Road, Hajipur, Katihar-854105**

All the envelopes must show the name of the supplier, address and contact numbers clearly.

Purchase/ Rate Contract

TENDER FORM

1	Name of Bidder				
2	Name & Designation of Authorized Signatory				
3	Registered Office Address				
4	Year of Establishment				
5	Type of Firm	Public Limited	Private Limited	Partnership	Proprietary
	Put Tick () Mark				
6	Telephone No (s) Mobile				
7	Website				
8	Fax No.				
9	Email Address				

4. The Tender fee amounting to Rs. 2000/- (Rupees Two Thousand only) has been deposited vide DD No..... Dated.....

5. we agree to abide by all the conditions mentioned in this Tender Document issued by the Tending authority and also the further condition of the said Tender Notice given in the attached sheets (all the pages of which have been signed by us in token of acceptance of the terms mentioned therein)

6. Reproduced/re-word- processed formats or own tender for the price quotations will disqualify the tender.

7. Details of Earnest money deposited in respect of various schedule

Sl.	Instrument of Earnest money deposited	Cheque/DD Number	Dated
1.	Cash/FD/DD/Banker's		

8. Tax clearance certificate:

	CGST	SGST	ENTRY TAX	ANY OTHER
Whether tax clearance certificate enclosed (Yes/No)				

1. Schedule- wise items for which the bidder has submitted tender

Dated :

Name/Scale of the bidder:

List of Furniture:

Katihar Engineering College, Katihar

List of Furniture with their Specifications

S.NO	ITEM	SPECIFICATIONS	RATE PER UNIT
1	Dual Desk	<p>The overall dimensions of desk should be W1066mmxD930mmxH760/452mm, with the following specifications</p> <p>(a) Side frame structure: Made of prime quality CRCA pressed form section 165mmx25mmx1mm thick welded to 25mmx50mmx1.2mm thick CRCA tube 890mm length. Seat and back side frame structure is made of prime quality CRCA pressed form section 165mmx25mmx1mm thick welded to 25.4mm diameter x 1.6mm thick ERW-1 pipe. All 8nos. horizontal supports are 25mmx25mmx1.2mm thick shall be of CRCA tube. 4nos CRCA tube size 22x22x1mm thick insert for full height in Big pillar. Rectangular tube 50x25x 1.2mm thick is closed with PPCP cap both side sand pipe dia. 25.4x1.6mm thick is closed with metal (Backside) and other side (Under the seat) PPCP cap.</p> <p>(b) Front panel cum tray should be made of prime quality 0.8mm thick CRCA sheet of H150mmxW1012mmxD300mm with middle partition and side stiffeners of MS CRCA tube size 19mmx19mmx1mmthick. One vertical support (partition) of square tube size 25mm square x1.2mm thick is provided at centre of tray and Front Face.</p> <p>(c) Additional front panel prime quality 0.8 mm thick CRCA sheet of size H150mmxW1012mmxD21mm with square perforation. CRCA tube of size 19x19x1mm thick should be inserted for full length at bottom of Jali.</p> <p>(d) Top seat and back is made of IS:303,18 mm thick plywood of MR grade having AA types of surfaces of OSL (one side 0.6mm thick lamination and one side balancing) and three edges must be sealed with 2mm thick PVC edge banding tape with hot melt glue standard 'D4499 Jowatherm-280' on through feed edge banding machine. Edge band is trimmed on edges and corner, Sizes are below: 1. Seat W 1066mm X D 300mm. 2. Top W 1008mm x D 380mm 3. Back 1066mm x D150 mm 4. One long edge of Desk top, seat & back is post formed with round edge.</p> <p>(e) Table top should be fitted with M6 sunken bolt 3nos. size M6x35mm length Zinc plated from Topside, maximum distance 40 mm from desktop edge and 3nos. MS Zinc plated screw self-tapping size dia. 4mm x 38 length again from Bottom side. The fixing of table top, seat and back should have vandalism- proof mechanism. (f) Seat and back each should be fitted with 6 nos. MS screw Zinc plated self-tapping size dia. 4mm x 38 length from Bottom side (g) Hooks made of MS wire dia. 5mm and size W 23mm, D 32mm and H80mm must be provided on inner side of vertical pressed formed steel section on both sides (h) (i) All Pipes/Tubes should be of ERW-1, IS- 3074-2005 and CRCA sheet, IS -513 CR-2 Designation- Grade D). (ii) All MS. CRCA parts must be MIG, TIG or spot welded as per technical requirement (i) All steel components should be welded together to form one unit and powder coated of minimum 50 microns dry film thickness.</p>	

2	Chair without arm	<p>SEAT/BACK ASSEMBLY: The seat / back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam together with moulded seat and back covers. The back foam is designed with contoured lumbar support for extra comfort. (MEDIUM BACK) SIZE: 50.0cm (W) X 49.0cm (H). SEAT SIZE: 50.0cm (W) X 46.5cm (D).</p> <p>POLYURETHANE FOAM: The Polyurethane foam is moulded with density = 45 +/-2 kg/m³ and Hardness = 20 +/- 2 on Hampden machine at 25% compression.</p> <p>TUBULAR FRAME : The tubular frame is cantilever type & made of Dia.2.54cm. (1") x 14 BG M.S. E.R.W. tube and black powder coated.</p>	
3	Armed Chair	<p>SEAT/BACK ASSEMBLY: The seat / back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam together with moulded seat and back covers. The back foam is designed with contoured lumbar support for extra comfort. (MEDIUM BACK) SIZE: 50.0cm. (W) X 49.0cm. (H). SEAT SIZE: 50.0cm. (W) X 46.0cm. (D).</p> <p>POLYURETHANE FOAM: The Polyurethane foam is moulded with density = 45 +/-2 kg/m³ and Hardness = 20 +/- 2 on Hampden machine at 25% compression.</p> <p>ARMRESTS: The one-piece armrests made of black integral skin</p>	

		polyurethane with 50-70 Shore 'A' Hardness and reinforced with M.S. insert. The armrests are scratch and weather resistant. The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 0.5cm. thk. HR steel.TUBULAR FRAME : The tubular frame is cantilever type & made of Dia.2.54cm. (1") x 14 BG M.S. E.R.W. tube and black powder coated.	
4	Table	Table Size in mm = 1200 X 600 X 750 having top made of 18 mm thick superior quality pre- laminated particle board of Grade II Type II conforming to IS:12823 of approved quality and shade. The edges of the table shall be banded with PVC strip 2 mm thick using hot melt glue under heat and pressure. The table top shall be supported by 1 mm thick M.S. 'C' frame stiffener of size 24.2 mm (W) x 38 mm (H). The table shall have 4 legs made of Electric Resistant Welded prime quality CRCA steel round tubular frame of Dia 25.4mm size and of 1.2mm thickness. The base of legs of the tables shall be covered with plastic caps. The table shall have one no. drawer units i.e right side drawer unit shall have three box drawers. And overall size of drawer 355 mm (W) x 560 mm (D) x 430 mm (H). The drawer unit shall be made of 0.8 mm thick CRCA sheet and drawer trays shall be made of 0.6 mm thick CRCA sheet. The drawers shall glide on frictionless slides of 1.2 mm thick CRCA sheet and shall have a multipurpose steel lock with handles built in place. The drawer units to have a mechanism to ensure only one drawer opens at a time. Both the drawers are fitted to 'C' frame by machine screws. Joints shall be interlocked and welded to render a flawless appearance. All steel parts shall be pretreated for seven stage anti-corrosion treatment followed by powder coating of thickness 50-55 microns complete as per drawing and as per directions of Engineer in charge. The steel tube shall conform to IS: 3601 – 1984, IS: 7138 – 1973 and IS: 4923 – 1985	
5	Steel Almirah	Almirah with Locker made of mild steel CR Sheet of Grade D as per IS-513 1994 of size 1980(H) x 915(W) x 485(D) MM multi bend construction & interlocking design and full length over lapping door and sides with full locker. Three-way bolting mechanism. Spot welding & CO2 welding Anticorrosion treated components, oven baked powder coating process. Material thickness 0.9mm Top, Bottom, LH & RH Sides and back material thickness 0.9mm, Removable LH & RH main door with stiffeners, material thickness 0.9mm. Two Adjustable shelves of thickness 0.8mm	
6	Book Case	PRODUCT SIZE : 916mm(W) x 486mm(D) x 1980mm#(H) #- Excluding Leveler. With 4 Glass windows in front doors for inside viewing. LOCKING & HANDLE : Brass handle & Two way locking mechanism with shooting bolt. SHELVING : Height wise adjustable shelf mounting. 4 Nos of adjustable full shelf. Box file A4 size (85Wx345Hx285D) can be stored vertically on three shelves and the clear space above fourth shelf is 240mm. FINISH : Epoxy Powder coated to the thickness of 50 microns (± 10)	

7	Computer Table	<p>Material: Top 18 mm Melamine laminated Particle Board & rest 15 mm Paper laminated Particle board Hardware: screw, KD Fittings, Castors Construction: Knock down Load Bearing Capacity: 30 Kgs. Finish: Melamine laminated Top & rest Paper lamination Dimensions: W 900 X D 500 X H 750</p> <p>1) detailed specifications i.e. type of material, type of lamination, thickness of paper lamination used, Top 18mm melamine face chipboard, others 15mm chipboard laminated with decorative paper 2) castor size, how many lockable and how many unlockable etc. Castor size: 40mm x 45mm, 2 lockable, 2 unlockable Specification: 18mm melamine table top with 4 sides 2mm PVC edging, the rest 15mm PU paper lamination</p>	
8	Computer Chair	<p>The seat and back are made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. BACK SIZE: 41.0cm. (W) X 46.0cm. (H) SEAT SIZE: 43.0cm. (W) X 41.0cm. (D)</p> <p>The Polyurethane foam is moulded with density = 45 +/- 2 kgs. / M3 and Hardness = 20 +/- 2 on Hampden machine at 25% compression. The armrest is made of black integral skin polyurethane with 50-70 Shore A hardness and reinforced with MS insert. The P.U. armrest is fixed to black powder coated armrest bracket made of 0.5cm thk. H.R. Steel. The permanent contact mechanism is designed with the following features: 360° revolving type. 14° maximum back-tilt only. Upright position locking. Tilt tension adjustment.</p> <p>The pneumatic height adjustment has an adjustment stroke of 12.0 cm. The bellow is 3 piece telescopic type and injection moulded in black Polypropylene. The pedestal is fabricated from 0.2cm. thick CR steel, powder coated and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors.(castor wheel dia. 5.0cm.) The pedestal is 55.0cm. pitch-center dia. (65.0 cm with castors). The twin wheel castors are injection moulded in Black Nylon.</p>	
9	Table for Principal	<p>Main Desk with ERU & Pedestal made from - MAIN TOP - MDF + VENEER + PU Coating, Size: 1800 W * 900 D * 750 H, TOP THICKNESS – 65mm. MODESTY- Size: 1640 X 600 X16 mm, MDF + Veneer + PU Coating. MOBILE PEDESTAL- MDF + Veneer + PU Coating, Size: 510W * 635H * 445D mm. ERU TOP - MDF + VENEER + PU Coating, Size: 1200W x 445D x 660H TOP THICKNESS – 25 mm. PU COATING HARDNESS 1.5H.</p>	

10	Chair for Principal	<p>High Back Chair of Overall size (in cm): 76.1W x 76.1D x 114.0-131.5H & 44.5-54.5SH</p> <p>Seat Assembly: The Cushioned Seat is made of Injection molded Plastic outer & inner. Plastic Inner is upholstered with pure Leather and moulded High Resilience (HR) Polyutherene foam of Density 45±2 Kg/m³, and Hardness load 16±2 Kgf as per IS:7888 for 25% compression. Seat Size: 47.6cm W x 49.2cm D</p> <p>Back Assembly: The Cushioned Back is made of PU Foam with insitu molded MS E.R.W. Round Tube of Size 1.9±0.03 cm x 0.16±0.0128cm. It upholstered with pure Leather. Back Size: 47.5cm W x 77.0cm D</p> <p>Armrests: The armrest top is moulded from polyurethane (PU) upholstered in pure leather and mounted on to a drop lift adjustable type tubular armrest support made of ø3.81±0.03 cm x 0.2±0.01 cm thk M.S E.R.W tube having chrome plated finish. The armrest height adjustable up to 6.5±0.5 cm in 5 steps.</p> <p>Active Bio-Synchro Mechanism: 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, Tilt tension adjustment can be operated in seating position, 5- position Tilt limiter giving option of variable tilt angle to the chair, Seat/back tilting ration of 1:2 & The mechnism housing is made up of HPDC Aluminium black powder coated.</p> <p>Seat Depth Adjustment: Seat depth adjustment is integrated in the seat through a sliding mechanism. Seat depth adjustment range is of 6.0±0.5 cm.</p> <p>Adjustable Back Support: Back Frame is connected to the Up/Dn mechanism housed in Plastic T Spine. It can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need.</p> <p>Pneumatic Ht. Adjustment: The pneumatic height adjustment has an adjustment stroke of 10.0±0.3 cm.</p> <p>Pedestal Assembly: The pedestal is High Pressure Die cast polished Aluminium and fitted with 5 Nos. twin wheel castors. The pedestal is 65.0±0.5 cm pitch-center dia. (75.0±1.0 cm with castors)</p> <p>Twin Wheel Castros: 5 Nos. twin wheel castors are injection moulded in plastic having 6.0±0.1 cm wheel Diameter and assembled to pedestal.</p>	
11	Chair for Principal Chamber	<p>Visitor Chair of Overall size (in cm): 60.9W x 64.7D x 98.2H & 46.2SH</p> <p>Seat Assembly: The Cushioned Seat is made of Injection molded Plastic outer & inner. Plastic Inner is upholstered with pure Leather and moulded High Resilience (HR) Polyutherene foam of Density 45±2 Kg/m³, and Hardness load 16±2 Kgf as per IS:7888 for 25% compression. Seat Size: 47.6cm W x 49.2cm D</p> <p>Back Assembly: The Cushioned Back is made of PU Foam with insitu molded MS E.R.W. Round Tube of Size 1.9±0.03 cm x 0.16±0.0128cm. It upholstered with pure Leather. Back Size: 46.5cm W x 59.5cm D</p> <p>Tubular Frame: The tubular frame is cantilever type & made of ø2.54±0.03 cm x 0.2±0.016 cm thik S.S 202 tube. The back connected to frame through chrome plated high pressure die cast connector piece.</p>	

12	Three Seater Chair	<p>3 Seating waiting Chair: Seat shell is welded assembly of seat back and side frame. Seat and back are made up of CR Steel sheet with oblong perforation. Welded assembly is powder coated Seat Size: 478mm(W) X 446 mm (D) Back Size: 416 mm (W) X 230mm(H). Understructure assembly consists of MS ERW oblong tube. Welded structure assembly is powder coated. Leg assembly should be fitted with shoe and leveler nylon. Armrest assembly should consist of armrest frame and armrest pad.</p>	
13	Table for Lab	<p>Practical Table of Size in mm: 3760L x 1520W x 900H approx. with Granite Top and Understorage of Shelf & Drawer made of Steel Frame Panels & Shutters having provision for fitting of accessories like Reagent Racks, Gas Valve, Sink and Water Tap.</p> <p>The steel frames, panels & shutters are made from Prime Quality CRCA Steel. All cabinet bodies are of over closing design with fully knock down construction and having a main and add on construction to avoid any gaps in between two units. All units have interlocking type construction to form a rigid integral structure. These units are supported on wide base high grade plastic legs of diameter 40 mm. These legs are height adjustable with a range of +/- 50 mm. Each unit has a locking facility with 180° and 10 lever cam lock mechanism.</p> <ul style="list-style-type: none"> • Surface Treatment: The complete M.S. material to be pre-treated and epoxy powder coated. The thickness of powder coat to be 50 microns, which passes the test of Salt Spray for 1000hrs and having Scratch Hardness of 3Kgs. • Cabinet frame: Frame of 1.2mm horizontal stiffeners and 0.8mm vertical panel of CRCA MS sheet. • Cover panels: All panels 0.8mm thick CRCA MS sheet. • Shelves and Drawers: CRCA shelves have a load carrying capacity of 40kg per shelf and overall carrying capacity of 80kg of UDL of a cabinet. • Door Pulls: Pull should be SS steel (SS304) with D type construction. Flush pulls for sliding doors should be of PVC, providing a recessed finger grip. • Slides: High precision Double Extension Ball slides which enable the drawer to open fully with a 15kg load in the drawer. • Shutters: Metal Shutters are double walled and made up of 0.8mm thick CRCA MS sheet with profil inserts and 40-50 microns pure epoxy powder coated. • Legs: All Legs to be made of plastic with a load carrying capacity of 450 kg/each. All units to be on plastic legs for better clean ability of the lab area. Leg should be able to take evenness of the floor. It should have at least 50mm adjustability. <p>Storage Units: Storage unit with one drawer, one/ two shutters and one adjustable shelf.</p>	

14	Reagent Racks for Lab Table	<p>Double Sided 2 tier shelf of size 300mm (D) and 660mm (H) of 1 Main Unit - 1500mm (W) & 1 Addon Unit - 1500mm (W) made from Prime Quality CRCA Steel of 0.8mm thickness, pre- treated and epoxy powder coated. The thickness of powder coat to be 50 microns.</p> <p>Switches and Sockets for Reagent Racks – It should be made of High gloss virgin grade engineering thermoplastics to impart a defect free surface. It should also impart excellent electrical insulation properties i.e. should not melt on heating or catches fire. Owing to this all electrical switches and sockets should be capable of handling higher currents and operating temperatures. Front plates should be able to be changed at any time with ease without disturbing the wiring to quickly and economically match changes in the surroundings.</p>	
15	Sink Assembly with Water Tap for Lab Table	<p>Sink Assembly with Water Tap for each Practical Table It Contains Sinks and Accessories & Water Faucets. Ceramic Sink of Overall Size: 515 x 375 x 145 (mm) Bushing Nut for Ceramic Sink of Size: 1-1/4" x 1-1/2" (32 x 40) Waste Coupling for Ceramic Sink of size: 1 1/4" dia & 3" L Anti-Siphon bottle trap of Size: 38mm Flexible/ F Serated Connector of size: 38mm x Length = 1m and 3 Way Faucet Bench mounted 3 way water fittings with 8" swing gooseneck.</p>	
16	Drawing Table	<p>Mode of Supply of modular table Assembled Ready to Use</p> <p>Storage Provided one side</p> <p>Number of storage unit single storage</p> <p>Length of Table Top ±10(mm) 900</p> <p>Depth of Table Top±10(mm) 600</p> <p>Height of Table Top±10(mm) 400</p> <p>Width of the storage unit ±10(mm) 400</p> <p>Depth of storage unit±10(mm) 485</p> <p>Table Top material and thickness ±3mm 19mm thick Commercial Block Board BWP grade Conforming to IS 1659</p> <p>Gable end and modesty panel material and thickness</p> <p>18 mm thickness Flat single layer pre-laminated MDF board conforming to having designation PLMDF - 23 of IS 14587 Latest</p> <p>Number of buffers to be provided: 4 numbers at the bottom</p>	

17	Drawing Stool	<p>Cushioning in the stool Top: Without cushion Finish: Powder coated No of Legs in the under structure :4 Foot rest :Without Shape of stool top :Round Material of Top: Stainless Steel Covering material of cushion: NA Leg shoe Material: PVC Painting Powder coating: Density of Cushion (Kg/cub metre): NA Type of Stool: Revolving Material of Under Structure: MS Back rest: Without Adjustable Height: Ye s Normal Height (mm): 600 Back rest height (mm): NA Min. Height (mm): 500 Diameter/Side length of Top (mm): 300 Thickness/Size of Under structure Frame (mm): 16 g Thickness of cushion (mm): NA Max. height (mm): 600 Stool Top base Thickness (mm): 0.8 Over all width/Diameter (mm): 400</p>	
18	Library Rack	<p>Type: CLOSED FROM SIDES AND BACK Number of Shelves: 7 MATERIAL Shelves Material: 1.0 mm Thick MS Sheet Conforming to Commercial Quality: CR-1, Grade 340 of IS 513 M S Sheet Thickness of Shelves and Back (Minimum) in mm: 1 Sides, Back and Partition Wall Thickness (Minimum) (mm) MS Sheet: 0.8 mm Angle Posts Material and size: Rolled steel angle posts of 40 X 40 X 3 mm DIMENSION Depth in mm (±5 mm): 500 Width in mm (±5 mm): 900 Height in mm (±5 mm): 2175 Bin Strip Height in mm (±1 mm): Not Provided Paint: Powder coated Colour: dove gray Packing:Bubble Sheet Packing No of Gussets: 8 Ground Clearance in mm (+/- 2 mm): 45 mm</p>	
19	Library Study Table	<p>Seating Capacity: 4 SEATER Shape of Table Top: Rectangular Wire Management: Without Type of Socket Box: No Socket Box Type of understructure: Leg type Number of Legs per Seat:2 Leg Top Attachment: Powder coated MS plate of thickness 3.0 mm Leg Bottom Attachment: Powder coated MS plate of thickness 8.0 mm Leg assembled together with guide at bottom: 8 mm thick MS sheet powder coated Modesty panel: YES Material of Table Top: Three Layer Prelaminated Particle Boards Of Grade-II Type-II Of IS:12823/Latest Material of Legs:50 mm x 50 mm made of 1.6 mm thick CRCA pipe duly</p>	

		<p>powder coated Material of Modesty Panel: metal perforated sheet Thickness of Metal Sheet / MDF Board used for modesty panel (in mm) +/- 5%: 1 mm Length in mm (Select NA in case of Round Table) ±10(mm): 1200 Width in mm (Diameter in case of Round Table)±10(mm): 900 Height in mm (±5 mm): 750 mm Thickness of Top ±2(mm): 25 millimeter Height of Modesty Panel ±5(mm): 600 COLOUR & FINISH Colour of Laminate: teak Packing Corrogeted : Paper Packing</p>	
20	Podium	<p>Mode of supply: Assembled Ready To Use Frame type: Free standing Understructure of podium: Gable end and modesty panel Storage: Open Storage Shelves: 2 - shelves Reading surface: Angled surface Top position: Fixed Paper stop: Yes Wire management: without Podium top Material: Three layer prelaminated particle board (Wood Product) of grade II type II of IS 12823/Latest Gable end and modesty panel material: Three Layer prelaminated particles board(wood product) of grade II type III of IS 12823/Latest Podium top long sides: To be post form half round profile with corner edge bending Podium top plain sides: Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue Gable end and modesty panel plain side: Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue Number of buffers provided: 4 Nos. at bottom DIMENSION Thickness of podium top ±2mm: 19 millimeter Thickness of gable end and modesty panel ±2mm: 19 millimeter Length of podium top ±10mm: 600 millimeter Depth of podium ±10mm: 500 millimeter Height of podium ±10mm: 1200 millimeter Presenter side height ± 10mm: 1100mm SHELVES Width of shelves ±10mm: 560mm Depth of shelves in mm (±10mm): 400mm COLOUR & FINISH Podium top finish: Laminate in colour with swede finish 0.6-0.8mm thickness of type S,F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5mm thick on other side</p>	
21	White Board (Wall Mounted)	<p>Steel Writing Board for writing purpose shall be placed on Medium Density Fibre (MDF) Board with electrogalvanised backing steel sheet and frame of anodised extruded aluminium alloys hollow section. The board shall have all round framing of anodized extruded aluminium alloy hollow section Designation 63400 as per IS: 1285-2002 (Reaffirmed 2007), third revision or IS: 733-1983(REAFFIRMED 2006),third revision, with latest upto date amendments. The Frame section shall be front: 20mm, side: 16mm, wall thickness: 1.2mm. White board, 240cm x 120 cm, double-faced, magnetic.</p>	

22	White Board (Movable/on stand)	Both sided writing purpose placed on Medium Density Fibre (MDF) Board. Board should have 360 degree rotation. The board shall have all round framing of anodized extruded aluminium alloy. The board should revolve on stand and can be locked in either position with positive locking system. Pen tray should be provided. Size W 1200mm x H 900mm	
23	Single Seater Desk	Powder coated metallic understructure. Laminated Top, bottom & back with rounded edges. Provision of self-storage. Hook for hanging bags. Size Width 550mm x Depth 915mm. Height of bottom seating should be 440 mm. Height of Top seating should be 744 mm.	