



Cost of the tender Document:
Rs. 1,000/-
(Rupees One Thousand only)

CENTRAL UNIVERSITY OF KASHMIR

Transit Campus: Sonwar, Near GB Pant Hospital, Srinagar ó 190 004 (J&K)

Phone: 0194-2468354, 2468357, Website www.cukashmir.ac.in

Tender No.: CUKmr/Pur/F.No.437/15/61

Dated: 03.06.2015

1. Name of the Firm/Supplier/Vendor:.....

.....

2. Address with telephone No. :.....

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3. Earnest Money Deposit (EMD)

(to be deposited along with the tender document)

- a) Bank Draft No. í í í í í ..í .
- b) Date í í í í í í í í í í
- c) for Rs. í í í í í í í í í í .
- d) Drawn on í í í í í í í í ..

4. Cost of Tender Document:

(to be deposited in case of downloaded tender document)

- a) Bank Draft No. í í í í í ..í .
- b) Date í í í í í í í í í í
- c) for Rs. í í í í í í í í í ..
- d) Drawn on í í í í í í í í í

CENTRAL UNIVERSITY OF KASHMIR

TENDER NOTICE No. 04 of 2015 FOR THE SUPPLY OF FURNITURE

**LAST DATE & TIME FOR SUBMISSION
OF TENDER**

**23/06/2015
by 03:00 p.m.**

DATE, TIME & VENUE FOR OPENING OF BIDS:

24/06/2015 at 2 p.m.

COMMITTEE ROOM, CENTRAL UNIVERSITY OF KASHMIR, SONWAR, SRINAGAR
6 190 004 (J&K)

TERMS AND CONDITIONS

Sealed tenders under two bid system are invited from reputed manufactures or their authorized suppliers having proper after sale service set up at Srinagar (J&K) for the supply of furniture at different campuses of the Central University of Kashmir, as per specification given in the financial bid. The Tender Document can be had from the Transit Campus of the University on payment of Rs 1,000/ or can be downloaded from the University website: www.cukashmir.ac.in. The downloaded form should be accompanied by a Demand Draft of Rs 1,000/ as cost of Tender Document.

Part 1 (Technical Bid) of the bid comprises of bidders profile in the prescribed format, EMD, application fee with regard to the eligibility of the bidder as set out in this NIT. Part 2 comprises of Financial Bid in the prescribed format. Both parts should be submitted in separate envelopes and submitted in a single covering envelope superscripted "Supply of Furniture" on or before 23.06.2015 (03:00 pm). The bids will be opened on 24.06.2015 at 02:00 pm at the Transit Campus Sonwar. Bidders or their authorized representatives who wish to attend tender opening, may do so.

SALE OF TENDER FORM

1. The interested bidders may obtain the tender form from the University office at Administrative Campus, Sonwar, Near GB Pant Hospital, Srinagar, J&K on all working days, during the office working hours, against the payment of non-refundable amount of Rs. 1,000/- through D.D from any nationalized bank drawn in favour of Central University of Kashmir payable at Srinagar (J&K). The tender document can also be downloaded from the University Website: www.cukashmir.ac.in. In that case the cost of tender form (Rs. 1,000) is to be attached with the Technical Bid in the form of a D.D along with the downloaded form. This D.D towards the cost of tender form should be submitted separately and not merged with the EMD.

EMD

1. The Technical Bid should be accompanied by Earnest Money Deposit (EMD) of Rs. 1,50,000 in shape of Demand Draft from any nationalized bank favoring Central University of Kashmir payable at Srinagar (**CDRs will not be accepted**). The offers without EMD shall be summarily rejected.
2. The EMD of the unsuccessful bidders will be returned after the selection of the successful bidder and placement of purchase order. The EMD in favour of the successful bidder shall be released on submission of Performance Security to the extent of 10% of the Purchase order value.
3. The EMD may be forfeited:
 - (a) If a Bidder withdraws its bid during the period of bid validity;

- (b) If at any stage it is proven that the information given by the bidder is incorrect;
- (c) In case of a successful Bidder, if the Bidder fails:
 - (i) To execute a contract
 - (ii) To furnish Performance Security
 - (iii) To execute the supply/installation within the stipulated time.

ELIGIBLE BIDDERS

1. The Bidder should have a minimum annual turnover of **Rs 50 Lakhs** from Sales & Maintenance during the past two consecutive financial years. The bidder should submit 02 years audited balance sheet along-with the I.T. Return in support of the said turnover.
2. The bidder must have supplied Furniture items of similar or better specifications as mentioned in this NIT to at least two Institutions in the past two consecutive years. A performance certificate from the said institutions indicating the satisfactory quality and usage of the items along-with the copies of the supply orders must be enclosed with the technical bid.
3. Bidder should have service presence in Srinagar and in case of service requirement; the maximum downtime will be 48 hours. An undertaking to this effect must be enclosed in the technical bid.
4. Bidders must be either Original Equipment Manufacturer (OEM) or authorized dealer of the OEM. Assemblers/Traders are not eligible to participate in the tender. The authorization letter from the manufacturer should be attached along with the tender in case of the authorized dealers.
5. Manufacturers should have BIFMA Certification. However, GREENGUARD Certification shall be desirable. In case the bidder is an authorized dealer, these certificates shall be obtained from the manufacturer and submitted with the tender document.
6. The bid must include latest Tax/VAT Clearance Certificate, if applicable.
7. The manufacturer must be an ISO Certified Company. Copy of the necessary ISO Certificates must be attached with the Technical Bid. In case the bidder is an authorized dealer, these certificates shall be obtained from the manufacturer and submitted with the tender document.

(Note: Failure to meet above requirements shall disqualify the bidder from participation in bidding. Claim of bidder on account of above must be substantiated by suitable documentary evidence).

SUBMISSION OF BIDS

1. The bids should be addressed to the REGISTRAR, Central University of Kashmir, Administrative Campus, Near G.B.Pant Hospital, Sonwar, Srinagar 6 190 004 (J&K) and delivered by hand or by post before the date and time as specified above. Furthermore, both the technical and the financial bids are required to be submitted in separate envelopes. PLEASE NOTE THAT THE UNIVERSITY SHALL NOT BE RESPONSIBLE FOR ANY POSTAL LOSSES/DELAYS. BIDS SENT BY POST AND RECEIVED AFTER **3.00 p.m. on 23/06/2015** SHALL BE SUMMARILY REJECTED AND IN CASE OF ANY DISPUTE IN THE TIMING OF RECEIPT, THE DECISION OF THE UNIVERSITY SHALL BE FINAL.
2. The Bidders are expected to go through all instructions, terms & condition as specified in the bidding documents. Failure to furnish complete required information or submission of a bid with incomplete information may result in rejection of the bid.

3. The University may, for any reason, whether suo-moto or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment at any time prior to the last date for submission of bids.
4. Quotations received after due date, improperly sealed, or with incomplete marking or with overwriting/corrections are liable to be rejected.
5. The bid will be opened on 24/06/2015 at 02:00 pm in presence of bidders or their authorized representatives, who wish to be present.
6. In the event of the date fixed for receipt and opening of the bid being declared as a closed holiday for University office, the relevant dates may be treated as the next working day. The time and venue shall, however, remain unchanged.
7. The bidder should confirm that there are no hidden costs. Any items found necessary to make the equipment functional will be provided by the bidder without extra cost.
8. The successful Tenderer shall have to deposit (10%) of total payable amount as Security Deposit in the form of DD or Bank Guarantee in favour of Central University of Kashmir for the warranty period of **three years**. The performance security shall be returned to the supplier 60 days after the date of such warranty period. In case of unsatisfactory service provided by the bidder, the Performance Security shall be forfeited.
9. **Late Bids:** Any bid received by the University after the last date for submission of bids prescribed by the University, will be rejected/returned unopened to the Bidder.
10. No bid will be allowed to be modified subsequent to the last date for submission of bids.
11. No bid will be allowed to be withdrawn during the period from the last date of the receipt of bid and the date of validity of the bid as specified by the Bidder on the bid form. Withdrawal during this period may result in the forfeiture of his bid security.
12. Bids that are not opened and read out at bid opening shall not be considered further for evaluation, under any circumstances.
13. During evaluation of bids, the University may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.
14. **Period of Validity of Bids:** Bids shall remain valid for a minimum period of 90 days after the date of bid opening prescribed by the University. A bid valid for a shorter period shall be rejected by the University as non-responsive.

EVALUATION OF BIDS (Two Bid System)

1. The bids shall be evaluated in three stages:
 - Stage-1:** Technical bid (Part-I) shall be opened and only those bidders shall qualify for stage 2 of bidding, whose technical bid meets the eligibility criteria mentioned in the foregoing clauses and the specifications given in this NIT.
 - Stage-2:** The bidders who will qualify Stage-1 shall be required to supply one sample each of all types of Furniture items as per the technical specifications given in the NIT at the Administrative Campus, Sonwar-Srinagar. The samples shall be inspected by the committee constituted for the purpose on **29.06.2015 at 2:00 pm**.
 - Stage-3:** Financial Bid of only those bidders shall be opened **on 30/06/2015 at 2:00 pm**, whose Technical Bid along-with the Samples is accepted by the University. The Committee Constituted for evaluations of the bids reserves the right to reject the sample of the bidder on the basis of justifiable reasons.

2. Mere compliance with the dimensional parameters mentioned in the technical bid would not qualify the tenderer. Warranty, durability, design, aesthetics and comfort level, would be an important criterion.
3. The evaluation of a financial bid will be based on the delivery cost at the site including all the taxes, levies, freight, insurance, forwarding, installation and assembling charges etc. The quoted rates should be final and any extra amount over and above the quoted rates will not be entertained.
4. Any effort by a Bidder to influence the University, in its decisions on bid evaluation, bid comparison or award of contract may result in rejection of his bid.
5. Failure of the successful bidder to comply with the requirements of the University shall constitute sufficient ground for the annulment of the award and forfeiture of the bid security, in which event the University may make the award to the next lowest evaluated bidder or call for new bids.

General Terms & Conditions

1. Prices shall be quoted in Indian Rupees (INR) only.
2. The amount is required to be quoted both in figures and in words, in case of a discrepancy, the amount quoted in words will be taken as final.
3. The supply, transportation, installation etc, of the items will be sole responsibility and the risk of the firm till the acceptance by the University.
4. The supply shall be made at the different Campuses of the University.
5. Detailed specifications, catalogue/ literature of the item quoted shall be attached with the technical bids. Incomplete bids in any respect are liable to be rejected.
6. The design of the quoted products should be knock down type. The components should be supplied separately packed in corrugated boxes & then assembled at site.
7. The supply and installation of equipment and other accessories should be made strictly in accordance with the specifications given in the Financial Bid. The warranty period takes effect from the date of satisfactory installation. The Tenderer shall be liable to make good the loss (free of cost) by replacing/repairing the equipment or other accessories found defective during the warranty period of two years.
8. The successful bidder shall be required to enter into an agreement with the University by submitting an instrument of Agreement on a non-Judicial stamp paper of Rs 100/-denomination. Necessary clauses mentioned in the NIT shall be incorporated in the Agreement.
9. **Payment terms:** All the payment will be made in Indian rupees. Payment (100%) shall be made by the University after successful supply and Installation of the item/s and furnishing of performance security equal to 10% of total payable amount in the shape of D.D or Bank Guarantee favoring Central University of Kashmir. The performance security shall be returned to the supplier 60 days after the date of completion of all contractual obligations of the supplier including the warranty obligations of **three years**. However, in case of unsatisfactory service during the warranty period, the Performance Security will be forfeited. The decision of the University to declare the service unsatisfactory shall be final.
10. The amount payable against supplies shall be subject to the applicable Taxes like TDS etc.

11. Submission of bid under this NIT shall mean that the bidder has accepted all the terms and conditions laid down in the tender document.
12. The University may make changes within general scope of the Contract in any one or more of the following:
 - (a) The method of shipping or packing;
 - (b) The place of delivery; and/or
 - (c) The Services to be provided by the Supplier
13. The supply has to be made within a **period of 21 days from the date of the issuance of the Purchase Order** by the University. In case of failure to do so, the University may impose penalty as decided by the University Committee.
14. All the supplies made under this tender notice will be inspected by a Committee specially constituted for the purpose and in case the Committee is of the opinion that the supplies are not of the required specifications, the supplies shall be rejected and responsibility of lifting back the supplies will devolve on the supplier. Besides, in such event, the EMD shall stand forfeited and the extra cost incurred in arranging the supply from the alternative sources shall also be recovered from the defaulting supplier apart from initiating the proceedings for blacklisting.
15. Item offered in the tender can be re-ordered at the same rate, under same terms & conditions within a period of twelve months from date of issuance of the first purchase order.
16. All the items supplied through this tender shall be covered by a **warranty of three years**. During the period of warranty, no charges will be paid by the University on any kind of service or repairs carried out by the supplier.
17. The University reserves the right to reject or accept any tender without assigning any reason or cancel or withdraw the tender notice.
18. Once the bidder submits the tender, it would be presumed that the bidder has understood and accepted all the terms and conditions given in NIT. No inquiry, verbal or written, shall be entertained in respect of acceptance/rejection of the tender.
19. The University reserves the right to relax any condition enumerated or arising out of this Tender notice, without assigning any reason/s thereof.
20. The University reserves the right to out-rightly cancel the tender without assigning any reason/s thereof.
21. If the supply and installation of the required items are not affected before the specified period, the University shall have the authority to cancel the order or to take any such action which will be deemed fit in the circumstances.
22. In case of any dispute, the same shall be resolved initially by mutual discussion between the parties within a period of 60 days failing which appropriate courts at Srinagar will have the jurisdiction to adjudicate upon the matter.

Sd/-
REGISTRAR
Central University of Kashmir

No: CUKmr/Pur/F.No.437/15/61
Date:03.06.2015

TECHNICAL SPECIFICATIONS OF THE FURNITURE:

Item No.	Name	Specifications Proposed	Specifications Offered
1.	Officer Table Executive-A (Main Desk, ERU, Back Unit & Tower Unit)	<p>The Main desk size shall be : 2400 Width mm x 1100 Depth mm x 735 Height mm. The top panel shall be 40 mm thick (18 mm MDF + 18 mm MDF batons + 4 mm Natural Veneer). Veneered portion of work surface is to be finished with high gloss polyester. The understructure shall be having legs made from 1.6 mm thick MS clad with the strips of MFC (Medium Density fiber). Hollow construction of legs should facilitate wire management. The modesty & side panel should be 18 mm thick MDF plus pigmented black and coated with melamine. The storage shall be having drawer unit. Unit body shall be constructed from 18 mm thick MDF boards having combination of 2 box drawers + 1 filling drawer. Drawers should be mounted on double extension ball slides + drawer fronts should be of natural veneer coated with High gloss Polyester and made of 23 mm (18 mm MDF + 4 mm Natural Veneer + 1 mm DL) and drawer body made up of 14 mm MDF (12 mm MDF + 1 mm DL + 1 mm DL).</p> <p>The ERU size shall be : 1400 Width mm x 600 Depth mm x 700 Height mm. The top panel shall be 40 mm thick(18 mm MDF + 18 mm MDF batons + 4 mm Natural Veneer) Veneered portion of work surface should be finished with high gloss polyester. The understructure shall be having the modesty panel of 18 mm thick MDF plus pigmented black and coated with melamine. The storage shall be having drawer unit. Unit body shall be constructed from 18 mm thick MDF boards having combination of 2 box drawers + 1 filling drawer. Drawers should be mounted on double extension ball slides + drawer fronts should be of natural veneer coated with High gloss Polyester and made of 23 mm (18 mm MDF + 4 mm Natural Veneer + 1 mm DL) and drawer body made of 14 mm MDF (12 mm MDF + 1 mm DL + 1 mm DL).</p> <p>The Back unit size shall be of : 1860</p>	

		<p>Width mm x 560 Depth mm x 670 Height mm. The door shall be 23 mm thick (18 mm thick Batons + 4 mm Veneer + 1 mm Backing Decorated (BDL)) . The Shelves and Partitions should be of 18 mm thick MDF (Medium density fiber) + Pigmented Black and coated with Melamine.</p> <p>The Tower Unit size shall be : 1700 Width mm x 400 Depth mm x 1200 Height mm. Panels shall be 18 mm thick MDF (Medium density fiber) Pigmented Black. The glass should be 12 mm thick and glass shall be Float glass plus the edges shall be Diamond cut Polished.</p>	
2.	Officer Table Executive-B (Main Desk + Side Unit + Pedestal)	<p>The Main table shall be of size 1800 Width mm x 900 mm Depth x 750 mm height. Top surface of the table shall made up of MDF (Medium density fiber) board duly finished with Veneer and final coating of PU. The Main desk should contain in built key board pull out tray for keeping keyboard of computer. The front modesty panel of the table shall be made up of MDF board of size 1640 mm x 600 mm x 16mm which shall also be duly finished with Veneer and PU coating. For personal storage one mobile pedestal (3 drawer unit) shall be provided of size 510 mm Width x 635 mm Height and 445 mm Depth. The storage pedestal shall also be made up of MDF duly finished with veneer & final coating of PU. The Side Unit shall be of size 1200mm Width x 445mm Depth x 660 mm Height. The side unit shall be made up of MDF board duly finished with Veneer and final finish by PU Coating. The design of the side unit shall be such that it can be placed on either side of the main table. The side unit shall contain open space for keeping CPU in extreme right side, one closed storage shutter at extreme left end & open space in the middle with one shelf for keeping files. The thickness of the top of the side unit shall be 25mm.</p>	
3.	Officer Table Executive - C (Main Desk + ERU only)	<p>The Main desk shall be of size : 2000 Width mm x 900 Depth mm x 750 Height mm. The desk top shall be made up of 18 x 3 mm layers (i.e. 54 mm) MFC (melamine faced chipboard) top with maple coloured melamine finish.</p>	

		<p>The three distinct layers shall be highlighted by the twin colour 2 mm thick PVC lipping (maple grey maple). Dimensions shall be 2000 width mm x 900 depth mmx 54 thickness mm. The top shall rest on 4 circular metallic connectors, two on either sides which in turn rest on two pedestals on either sides. Also 2 metallic peninsular legs with adjustable PVC bush shall be fixed to the bottom of the main top for giving better looks. In built Main desk shall be provided with an accessory of 4 mm thick synthetic leather Desk pad, black in colour. The modesty panel should be curved in shape which shall be made up of MS sheet with grey coloured powder coating finish. It shall be fixed to the pedestals. The main desk pedestal shall be having one 3 drawer unit and one HDU. It shall be made up of 18 mm thick MFC with maple melamine finish with PVC lipping. The front and back of both pedestals shall be in maple colour while the side panels shall be in grey matching to the modesty. Metal telescopic slides shall be used for smooth functioning of drawers. HDU shall have a shelf.</p> <p>Overall dimension of ERU shall be 1050mm Width x 500mm Depth x 750mm Height. The ERU top shall be of 18 mm x 3 layers (54 mm) MFC top with maple coloured melamine finish. The 3 distinct layers shall be highlighted by the twin colour 2 mm thick PVC lipping (maple & grey). ERU back panel shall be made up of 8 mm MFC with melamine finish. ERU shall have a lockable HDU with a shelf. The HDU door shall be in maple colour while the side panel shall be in grey colour. ERU shall have a provision of KBPT. ERU base shall have 4 castors (concealed) with skirting.</p>	
4.	Officer Table Executive - C (Back Unit only)	<p>Over all dimensions of the Back unit shall be 2000mm Width x 400mm Depth x 1190mm Height. The Back unit top panel shall be of 18 mm x 2 layers (i.e. 36 mm) MFC top with maple coloured melamine finish. The 2 distinct layers shall be highlighted by the twin colour 2 mm thick PVC lipping (maple & grey). Back unit should have 5 wooden hinged doors and one open shelf. Back unit</p>	

		doors shall be made up of 18 mm thick maple. The side panels (18 mm thick) shall be in grey colour. The back panel shall be of cabinet of 8 mm thick MFC with melamine. Legs should be of PVC in black colour. There shall be a background panel on the cabinet top back. There shall also be 6 fixed plastic legs of 60 mm under the cabinet.	
5.	Office Table- A	The table shall be of size 1200 mm x 600 mm x 750 mm (WxDxH). The top panels shall be made from 18 +/- 0.5 mm thick Pre - laminated boards with 2 mm thick PVC edge banding on all sides . Understructure shall be made from 0.9 mm +/- 0.09 mm thick powder coated 50 microns (+/-10) CRCA MS. Tubular Frame shall be dia. 25.4 +/- 0.3 mm x 1.2 +/- 0.096 mm thick MS ERW tube. Modesty panel shall be made from 1.0 +/- 0.09 mm thick powder coated 50 microns (+/- 10). The Storage shall be having shell 0.5 +/- 0.07 mm thick CRCA MS plus drawer tray 0.5 +/- 0.07 mm thick CRCA MS plus drawer front 0.8 +/- 0.1 mm thick CRCA MS . Also there should be 10 lever cam lock plus handles built in plastic.	
6.	Office Table- B	The table shall be of size 1350 mm x 700 mm x 750 mm (WxDxH). The top panels shall be made from 18 +/- 0.5 mm thick Pre - laminated boards with 2 mm thick PVC edge banding on all sides . Understructure shall be made from 0.9 mm +/- 0.09 mm thick powder coated 50 microns (+/-10) CRCA MS. Tubular Frame shall be dia. 25.4 +/- 0.3 mm x 1.2 +/- 0.096 mm thick MS ERW tube. Modesty panel shall be made from 1.0 +/- 0.09 mm thick powder coated 50 microns (+/- 10). The Storage shall be having shell 0.5 +/- 0.07 mm thick CRCA MS plus drawer tray 0.5 +/- 0.07 mm thick CRCA MS plus drawer front 0.8 +/- 0.1 mm thick CRCA MS. Also there should be 10 lever cam lock plus handles built in plastic.	
7.	Office Table- C	The table shall be of size 1650 mm x 900 mm x 750 mm (WxDxH). The top panels shall be made from 25 +/- 0.5 mm thick Pre - laminated boards as per with 2 mm thick PVC edge banding on all sides . Understructure shall be made from 0.9 mm +/- 0.09 mm thick powder coated 50 microns (+/-10) CRCA MS.	

		<p>Tubular Frame shall be sq. 25.4 +/- 0.3 mm x 1.2 +/- 0.096 mm thick MS ERW tube. Modesty panel shall be made from 1.0 +/- 0.09 mm thick powder coated 50 microns (+/- 10). The Storage shall be having shell 0.5 +/- 0.07 mm thick CRCA MS plus drawer tray 0.5 +/- 0.07 mm thick CRCA MS plus drawer front 0.8 +/- 0.1 mm thick CRCA MS . Also there should be 10 lever cam lock plus handles built in plastic. The design of the table must be knock down type that is it shall be supplied safely in the corrugated boxes & then assembled at required site / Location.</p>	
8.	Office Table- D	<p>The table shall be of size 1650 mm x 900 mm x 725 mm (WxDxH). The Top shall be 25 mm thick pre-laminated board with 2 mm thick matching lipping stiffener provided under the top to give addition strength (1.6 mm thick MS).The Understructure shall be having pedestal of combination of processed wood (PLB) and mild steel (MS).There shall be 2 box drawers plus 1 filling drawer combination for both pedestals, the pedestal shell shall be 0.8 mm thick MS plus the drawer tray and separator shall be 0.6 mm thick MS. There shall be sleek handles for easy grip, glide screws for leveling and also independent locking arrangement for each pedestal. The Modesty shall be of MS panel (1.0 mm thick) recessed inside for more leg room. Panel shall be styled with cutouts (windows) to give it a trendy and up market look. The design of the table must be knock down type, that is, it shall be supplied safely in the corrugated boxes & then assembled at required site / Location.</p>	
9.	Reading Table for Hostel	<p>Table size shall be 900 mm Width x 600 mm Depth x 750 Height. The top panels shall be made from 18 mm thick Pre - laminated boards with 2 mm thick PVC edge banding on all sides. Understructure shall be made from 0.9 mm +/- 0.09 mm thick powder coated 50 microns (+/-10) CRCA MS. Tubular Frame shall be sq. 25.4 +/- 0.3 mm x 1.2 +/- 0.096 mm thick MS ERW tube. Modesty panel shall be made from 1.0 +/- 0.09 mm thick powder coated 50 microns (+/- 10). The Storage shall be having shell 0.5 +/- 0.07 mm thick</p>	

		CRCA MS plus drawer tray 0.5 +/- 0.07 mm thick CRCA MS plus drawer front 0.8 +/- 0.1 mm thick CRCA MS . Also there should be 10 lever cam lock plus handles built in plastic.	
10.	Reading Table for Library	Length: 1800mm, Width: 900 mm, Height: 740mm Worktop: 25mm should be thick Pre-laminated particle board fitted with 2mm thick machine fitted PVC edge. Understructure: should consist of C-frames made up of 1.6 mm thick virgin mild steel C-frame supporting the top. Legs: should have a dia of 38.1x1.6mm thick MS ERW tube. All the metal shall be given antirust surface treatment.	
11.	Computer & Printer Table-A	Dimensions (mm): 900Wx450Dx 745H Top: 18mm thick Pre-Laminated Board with Machine fitted PVC edge. Under structure: should be made of 15mm thick particle board with space for CPU on left side and different cabinets for printer and scanner. Table should be provided with one sliding key board tray with one sliding mouse platform. It should be provided with wheels and Footrest at base.	
12.	Computer & Printer Table-B	The construction shall be knock down fitting. The top size shall be 900 mm (L) x 590 mm (W) x 745 mm (H) .The table top shall have load bearing capacity of 40 Kg and shelf shall have 15 Kg. The top shall be Pre laminated board (PLB) .25 mm for table top with 2.0 mm thick PVC lipping . Leg shall be MS ERW Tube 1.6 mm thick .Foot Rest shall be MS CRCA Sheet 1.2 mm . The CPU Stand shall be MS ERW Tube Ø 25.4 mm x 1.25 mm thick. The Vertical Cover MS CRCA sheet 0.8 mm thick. Wire Mesh Tray shall be MS Bright Bar Ø 8.0 & Ø 4.0 .	
13.	Centre Table	Dimensions(mm): 1100Wx600Dx 500H 8 mm tempered glass top. 6mm Tempered bottom glass for storage option. Silver powder must be coated under structure. Glass should be attached to under structure via UV disc.	
14.	Conference Table for Meeting Hall	Conference Table shall be Single seater 760 Width mm x 600 Depth mm, Two seater 1360 Width mm x 600 Depth mm, Half Round (2 Seater) R 713 + Quarter Round (1 Seater) R 713. The top shall be 31.6 mm thick (18 mm +	

		12 mm + 0.6 mm DL (both sides) + 0.4 mm Membrane). Edge Profile shall be waterfall edge 10 mm radius on top edge and 5 mm at bottom. In the Understructure, the Legs shall be made from 25 mm PPB having a straight profile with half round edges and clad with 0.6 mm thick post Forming laminate. Overall thickness of leg shall be 26.2 mm The modesty panel in understructure shall be made from PLT (Pre laminated twin) boards of 18 mm thick. There shall be Wire Management. Wire carrier shall be made from 0.6 mm thick CRCA painted and carrier cover shall be made of 12 mm thick MDF painted all over.	
15.	Teapoy-A	Table Legs shall be Oval Metal Tube with thickness of 1.5 mm and color shall be Silver powder coating. Table top shall be of size 600 mm Length x 600 mm Width x 8 mm Thick and color shall be Partial black tempered glass top with full black tempered glass. The table bottom shall be of size 500 mm Length x 500 mm Width x 5 mm Thick and full black tempered glass shall be there . The finishing shall be of Partial black glass and silver powder coating frame and legs.	
16.	Teapoy-B	Table top shall be of sheesham 18 mm with legs shall be of 80 x 80 Top side and 40 x 40 Bottom side. The support shall be 45 x 25 mm and 8 pcs Bolt and nut shall be there.	
17.	Multipurpose table	Dimensions (mm): 900(W) x 600(D) x 750(H) Top: 18mm thick Pre-laminated board All work surface edges shall be duly sealed with 2mm thick machine fitted PVC beading. Understructure: should consist of C-frames made up of 1.6 mm thick virgin mild steel C-frame supporting the top. Legs: should have a dia of 38.1x1.6mm thick MS ERW tube. All the metal shall be given antirust surface treatment. The Understructure should be provided with one sliding drawer and one filing cabinet.	
18.	Mid Back Executive Chair	The seat 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 or synthetic leather and	

		<p>moulded polyurethane foam. The back shall be made up 1.2+/-0.1cm thick hot pressed plywood upholstered with replaceable fabric or synthetic leather upholstery covers and moulded polyurethane foam. The moulded polyurethane foam shall be of density 45+/-2kg/m³, and hardness load 16+/-2kgf as per IS:7888 for 25% compression. The dimensions of seat shall be- 51.0cm(W) x 48.0cm(D) and of back shall be 48.0cm(W) x 64.5cm(H). The armrest top shall be made of moulded polyurethane and mounted on to a drop lift height adjustable type M.S tubular armrest support chrome plated. The armrest height shall be adjustable up to 6.5+/-0.5cm in 5 steps and also has swivel adjustment of 22 degree+/-2 on both sides. The mechanism of the chair shall have following features : 360° revolving type, Knee tilt synchro mechanism, Tilt tension adjustment, Single point control, 4 position locking with anti shock feature, Seat/Back tilting ratio of 1:2. Seat depth adjustment of 6.0+/-0.5cm should be locked in 6 positions. The backrest shall consists of a sliding up down mechanism, Which can be adjusted in the range of 7.5+/-0.5cm and should be locked in 4 positions for correct position of lumber support. The chair shall be provided with pneumatic height adjustment which shall have stroke of 9.0 +/- 0.3 cm. The pedestal shall be fabricated from 0.2+/-0.02cm thick HR sheet, chrome plated and assembled with injection moulded black polypropylene hub cap. The size of the pedestal shall be 66.0+/- 0.5 cm pitch-centre-dia (76.0 +/- 1.0 cm with castors). The twin wheel castors shall be made black nylon. Overall dimensions of Chair shall be, Width of Chair - 76.0cm, Depth of Chair - 76.0cm as measured from pedestal below. Height from ground - min 89.0 to max 105.0cm. Seat height - min 46.5 to max 55.5cm. Dimensions tolerance / variations shall be within +/- 1 cm.</p>	
19.	High Back Executive Chair	<p>The seat 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 or synthetic leather and</p>	

		<p>moulded polyurethane foam. The back shall be made up 1.2+/-0.1cm thick hot pressed plywood upholstered with replaceable fabric or synthetic leather upholstery covers and moulded polyurethane foam. The moulded polyurethane foam shall be of density 45+/-2kg/m³, and hardness load 16+/-2kgf as per IS:7888 for 25% compression. The dimensions of seat shall be- 51.0cm(W) x 48.0cm(D) and of back shall be 48.0cm(W) x 76.0cm(H). The armrest top shall be made of moulded polyurethane and mounted on to a drop lift height adjustable type M.S tubular armrest support chrome plated. The armrest height shall be adjustable up to 6.5+/-0.5cm in 5 steps and also has swivel adjustment of 22 degree+/-2 on both sides. The mechanism of the chair shall have following features : 360^o revolving type, Knee tilt synchro mechanism, Tilt tension adjustment, Single point control, 4 position locking with anti shock feature, Seat depth adjustment of 6.0+/-0.5cm should be locked in 6 positions. The backrest shall consists of a sliding up down mechanism, which can be adjusted in the range of 7.5+/-0.5cm and should be locked in 4 positions for correct position of lumber support. The chair shall be provided with pneumatic height adjustment which shall have stroke of 9.0 +/- 0.3 cm. The pedestal shall be fabricated from 0.2+/-0.02cm thick HR sheet, chrome plated and assembled with injection moulded black polypropylene hub cap. The size of the pedestal shall be 66.0+/- 0.5 cm pitch-centre-dia (76.0 +/- 1.0 cm with castors). The twin wheel castors shall be made black nylon. Overall dimensions of Chair shall be, Width of Chair - 76.0cm, Depth of Chair - 76.0cm as measured from pedestal below. Height from ground - min 101.5 to max 117.5cm. Seat height - min 46.9 to max 55.9cm. Dimensions tolerance / variations shall be within +/- 1 cm.</p>	
20.	Conference Chair	<p>The seat 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 or synthetic leather and moulded polyurethane foam. The back</p>	

		<p>shall be made up 1.2+/-0.1cm thick hot pressed plywood upholstered with replaceable fabric or synthetic leather upholstery covers and moulded polyurethane foam. The moulded polyurethane foam shall be of density 45+/-2kg/m³, and hardness load 16+/-2kgf as per IS:7888 for 25% compression. The dimensions of seat shall be- 51.0cm(W) x 48.0cm(D) and of back shall be 48.0cm(W) x 76.0cm(H). The armrest top shall be made of moulded polyurethane and mounted on to a fixed type M.S tubular armrest support chrome plated. The Arm support should have static vertical adjustment of +/-1.5+/-0.05cm. The mechanism of the chair shall have following features : 360^o revolving type, Front pivot synchro mechanism, Tilt tension adjustment, Single point control, 4 position locking with anti shock feature, Seat/Back tilting ratio of 1:2. The backrest shall consist of a fixed type mechanism i.e. no back up/down adjustment. The chair shall be provided with pneumatic height adjustment which shall have stroke of 9.0 +/- 0.3 cm. The pedestal shall be fabricated from 0.2+/-0.02cm thick HR sheet, chrome plated and assembled with injection moulded black polypropylene hub cap. The size of the pedestal shall be 66.0+/- 0.5 cm pitch-centre-dia (76.0 +/- 1.0 cm with castors). The twin wheel castors shall be made black nylon. Overall dimensions of Chair shall be, Width of Chair - 76.0cm, Depth of Chair - 76.0cm as measured from pedestal below. Height from ground - min 102.5 to max 111.5cm. Seat height - min 46.0 to max 55.0cm. Dimensions tolerance / variations shall be within +/- 1 cm.</p>	
21.	Mid Back Office Chair	<p>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</p>	

		<p>polyurethane foam shall be moulded with density= 45 ± 2 kg/m³ and hardness load 16 ± 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 have an adjustment stroke of 12.0 ± 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 ± 0.5cm. pitch-center dia. (76.3 ± 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 - min 85.5 to max 97.5cm, Width & Depth of Chair as measured from pedestal - Width-76.3 cm and Depth-76.3 cm. The chair shall be green guard certified & a copy of certificate shall be attached with the bid.</p>	
22.	High Back Office Chair	<p>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 have 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 ± 2 kg/m³ and hardness load 16 ± 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 have an adjustment stroke of 12.0 ± 0.3cm. The bellow shall be 3 piece telescopic</p>	

		<p>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 ±0.5cm. pitch-center dia. (76.3 ±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. The chair shall be green guard certified & a copy of certificate shall be attached with the bid.</p>	
23.	Visitor Chairs with Arms	<p>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 shall be upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam shall be designed with contoured lumbar support for extra comfort. The dimensions of the back shall be 49.0 cm. (W) x 47.0 cm and of seat shall be 49.0 cm. (W) x 44.0 cm. (D). The HR Polyurethane foam shall be moulded with density= 45 ±2 kg/m³ and Hardness load 16 ± 2 kgf as per IS:7888 for 25% compression. The armrest tops shall be injection moulded from black Polypropylene. They shall be fitted to tubular armrest supports made of dia 2.54 ±0.03cm. x 0.16 ±0.0128cm.thk. M.S. E.R.W. tube and black powder coated (DFT 40-60 microns). The tubular armrest supports should hold together the seat and back. The tubular frame shall be cantilever type & made of 0 2.54±0.03cm. x 0.2 ±0.016cm.thk. M.S. E.R.W. tube and black powder coated (DFT 40-60 microns). Overall Dimensions of Chair shall be Seat Height - 43.0cm, Height - 80.0cm, Width & Depth of Chair as measured from pedestal - Width-55.0 cm and Depth-61.0 cm.</p>	
24.	Visitor Chairs without Arms	<p>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 shall be upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam shall be designed</p>	

		<p>with contoured lumbar support for extra comfort. The dimensions of the back shall be 49.0 cm. (W) x 47.0 cm and of seat shall be 49.0 cm. (W) x 44.0 cm. (D). The HR Polyurethane foam shall be moulded with density= 45 ± 2 kg/m³ and Hardness load 16 ± 2 kgf as per IS:7888 for 25% compression. The tubular frame shall be cantilever type & made of 0.254 ± 0.03cm. x 0.2 ± 0.016cm.thk. M.S. E.R.W. tube and black powder coated (DFT 40-60 microns). Overall Dimensions of Chair shall be Seat Height - 43.0cm, Height - 80.0cm, Width & Depth of Chair as measured from pedestal - Width-52.5 cm and Depth-61.0 cm.</p>	
25.	Computer Operator Chair with Armrest	<p>The seat 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 back shall be injection moulded from black Co-polymer Polypropylene and upholstered with fabric and moulded Polyurethane foam together with covers. The back foam shall be designed with contoured lumbar support for extra comfort. The dimensions of back shall be 39.0cm(W) x 24.0cm.(H) and of seat shall be 45.5cm(W) x 41.0cm.(D). The HR polyurethane foam shall be moulded with density =45 ± 2 kg/m³ and hardness load 16 ± 2 kgf as per IS:7888 for 25% compression. The upholstered seat shall be covered on the underside with black Polypropylene non-woven - fabric and the upholstered back shall be covered with a back cover injection moulded in black Co-polymer Polypropylene. The armrest tube shall be made of 3.5 ± 0.03cm. X 1.5 ± 0.02cm. X 0.16 ± 0.015cm. thk. M.S. E.R.W. oblong connecting tube welded to dia 2.54cm. x 0.16 ± 0.015cm. thk. M.S. E.R.W. support tubes and black powder coated (DFT 40-60 microns). The armrest shall be made of black-integral skin-polyurethane with 50-70 Shore 'A' Hardness and reinforced with M.S. insert. The adjustable back mechanism shall be designed with 360° revolving type, Provision for backrest tube (3.5 ± 0.03cm. X 1.5 ± 0.02cm. X 10.16 ± 0.015cm, Back height adjustment 9.0 ± 0.5cm, Infinite locking of back</p>	

		<p>height. The pneumatic height adjustment shall have an adjustment stroke of 11.0 ± 0.3 cm. The pedestal shall be fabricated from 0.2 ± 0.02 cm thick HR sheet (IS :DD1079/ HR), powder coated (DFT 40-60 microns) and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors. The pedestal shall be 55.0 ± 0.5cm. pitch-center dia. (65.0 ± 1.0 cm. with castors). The twin wheel castors shall be injection moulded in Black Nylon. Overall Dimensions of Chair shall be, Seat Height - min 43.0 to max 54.0cm, Height - min 69.1to max 89.1cm, Width & Depth of Chair as measured from pedestal - Width-65.0 cm and Depth-65.0 cm.</p>	
26.	Computer Operator Chair without Armrest	<p>The seat 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 back shall be injection moulded from black Co-polymer Polypropylene and upholstered with fabric and moulded Polyurethane foam together with covers. The back foam shall be designed with contoured lumbar support for extra comfort. The dimensions of back shall be 39.0cm(W) x 24.0cm.(H) and of seat shall be 45.5cm(W) x 41.0cm.(D). The HR polyurethane foam shall be moulded with density $=45 \pm 2$ kg/m³ and hardness load 16 ± 2 kgf as per IS:7888 for 25% compression. The upholstered seat shall be covered on the underside with black Polypropylene non-woven - fabric and the upholstered back shall be covered with a back cover injection moulded in black Co-polymer Polypropylene. The adjustable back mechanism shall be designed with 360° revolving type, Provision for backrest tube (3.5 ± 0.03cm. X 1.5 ± 0.02cm. X 10.16 ± 0.015cm, Back height adjustment 9.0 ± 0.5cm, Infinite locking of back height. The pneumatic height adjustment shall have an adjustment stroke of 11.0 ± 0.3 cm. The pedestal shall be fabricated from 0.2 ± 0.02 cm thick HR sheet (IS :DD1079/ HR), powder coated (DFT 40-60 microns) and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors. The pedestal shall be 55.0</p>	

		<p>±0.5cm. pitch-center dia. (65.0 ±1.0 cm. with castors). The twin wheel castors shall be injection moulded in Black Nylon. Overall Dimensions of Chair shall be, Seat Height - min 43.0 to max 54.0cm. Height - min 69.1to max 89.1cm, Width & Depth of Chair as measured from pedestal - Width-65.0 cm and Depth-65.0 cm.</p>	
27.	Class Room Desks-A	<p>Desk Cum Bench shall be of size 1050 mm x 900 mm x 750 mm (WxDxH). Top & Seat Panel shall be 18 mm thick PLB (pre - laminated board) and the Back panel shall be 18 mm thick PLT . The Understructure shall be MS SQ tubes of size 25.4 mm x 1.2 mm Plus there shall also be a storage Shelf below the Top. <i>(Note: The University may require Multi-Coloured Desks)</i></p>	
28.	Class Room Desks-B	<p>Size of 1140 Width mm x 1095 Depth mm x 707 Height mm. All panels shall be made from 18 mm thick pre-laminated twin board with PVC edge banding on all sides. The panels shall have corners rounded for safe usage. All side metal frames and cross connectors shall be made from combinations of 25.4 x 1.2 mm thick round ERW tubes 31.8 x 1.2 mm thick round ERW tubes and 28.6 x 1.2 mm thick round ERW tubes which shall be welded together. The welded structures and cross connectors shall be coated with min. 45 micron thickness of epoxy polyester coating. Back supports which shall be provided at the rear back shall be made of 50.8 x 25.4 x 1.2 mm thick rectangular ERW tubes. The tubes shall be coated with min. 45 microns of epoxy polyester coating. The storage shelves shall be made from 0.6 mm thick MS sheet fixed below the desk top panel and are coated with min. 45 micron of epoxy polyester coating. Hooks shall be provided on the vertical side frames on both sides of the desk for hanging bags/bottles. They shall be made from 2 mm thick MS Sheet and are coated with min. 45 micron thickness of epoxy polyester coating. The understructure shall be assembled using M6 tri-lobular screws with Zn blue plating. Spacers shall be provided on the top of round tubes for</p>	

		<p>wooden panels fixing which shall be made of PP Glass filled. Plastic caps made of PP copolymer (3530 Grade) should also provided on the rear frames adding more aesthetic value to the product. M6 high tensile TVS make bolt with glass filled nylon level adjustors shall be provided at the bottom of understructure to take care of unevenness in the floor with height adjustment of approx. 15 mm.</p> <p><i>(Note: The University may require Multi-Coloured Desks)</i></p>	
29.	Class Room Desks-C	<p>Desks 2 Seater size shall be 1200 mm Width measured from Desktop x 1050 mm Depth measured overall x 725 mm Height from ground level to Desk Front. Top shall be 12 mm thick base material - 10.4 mm bent ply plus 0.8 mm thick decorative laminate on top and 0.8 mm thick backing laminate on bottom surface plus edge finish of melamine matching with decorative laminate. There shall also be M6 Plastic inserts provided for mounting the desk to the understructure . Storage under desk shall be fabricated structure in 5 mm thick rod with powder coat finish. Storage under seat shall be Fabricated structure in 16 mm dia x 2 mm thick tube with 5 mm dia rod with powder coat finish. Understructure shall be made from 25.4 mm x 2 mm thick tube with powder coat finish. Cap in Nylon - 6 S 13PT grade to be mounted on the open end at bottom side of the structure & at the other end cap in LDPE shall be mounted . Stud in Nylon -6 S13 PT grade shall be mounted on the bottom side of the structure. For seat mounting 50.8 mm x 25.4 mm x 2 mm thick tube fabricated with 16 mm dia x 2 mm thick tube with powder coating. At the open end of 16 dia tube internal ferrule in LDPE shall be mounted. The seat shell shall be plastic moulded in PP on the understructure. Seat shell be having M6 nut insert on the bottom side for mounting.</p> <p><i>(Note: The University may require Multi-Coloured Desks)</i></p>	
30.	Class Room Desks-D	<p>Desk Single Seater size shall be 600 Width measured from desktop mm x 1050 mm Depth measured overall x 725 Height mm from ground level to Desk front. Top shall be 12 mm thick (+/-</p>	

		<p>1mm) base material -10.4 mm bent ply plus 0.8 mm thick decorative laminate on top and 0.8 mm thick backing laminate on bottom surface plus edge finish of melamine matching with decorative laminate. There shall also be M6 Plastic inserts provided for mounting the desk to the understructure. Storage under desk shall be fabricated structure in 5 mm thick rod with powder coat finish. Storage under seat shall be Fabricated structure in 16 mm dia x 2 mm thick tube with 5 mm dia rod duly powder coat finish . Understructure shall be made from dia 25.4 mm x 2 mm thick tube with powder coat finish. Cap in Nylon - 6 S13PT grade to be mounted on the open ends at bottom side of the structure & at the other end cap in LDPE shall be mounted . Stud in Nylon -6 S13 PT grade shall be mounted on the bottom side of the structure. For seat mounting 50.8 mm x 25.4 mm x 2 mm thick tube fabricated with 16 mm dia x 2 mm thick tube with powder coating. At the open end of 16 dia tube internal ferrule in LDPE shall be mounted. The seat shell shall be plastic moulded in PP mounted on the understructure. Seat shell be having M6 nut insert on the bottom side for mounting.</p> <p><i>(Note: The University may require Multi-Coloured Desks)</i></p>	
31.	Class Room Chairs	<p>The size of the seat shall be 49.0 cm (W) x 44.0 cm (D) . Overall dimensions shall be 54.0 cm width, 81.0 cm depth, 80.5 cm height and seat height 44.0 cm. The seat and back shall be made up of 1.0 +/- 0.1 cm. Thick hot pressed plywood upholstered with fabric and moulded polyurethane foam with PVC lipping all around. The back foam shall be designed with contoured lumbar support for extra comfort. The HR polyurethane foam should be moulded with density = 45 kg per meter cube and hardness load 16 kgf . The tubular frame should be cantilever type and made of 2.54 +/-0.03 cm x 0.2 +/- 0.016 cm. The wooden desklet shall be made of 1.8 +/- 0.05 cm thick pre - laminated particleboard with .15 +/- 0.03 cm thick PVC Lipping all around. The one piece armrests shall be made of black integral skin polyurethane foam with 50-70 shore hardness and</p>	

		reinforced with M.S. insert. The npaper tray shall be made of 0.4 +/- 0.005 cm M.S. wire spot welded to form a mesh. It shall be black powder coated.	
32.	File Cabinets (Four drawer)	Size of 4 Drawer VFC shall be 1320mm(H) x 470mm(W) X 620mm(D). All the components shall be made of CRCA . It should have 1 Point Locking Mechanism and a Rigid Knock Down Construction. The Top, Side & Drawer Front thickness should be 0.7mm. The Frames, Drawer-inside cover and Side Back Side thickness should be 0.6mm. The Back, Bottom and Drawer thickness should be 0.5mm. Easy to grip Full length Recess Handle shall be integrated into Metal Drawer for easy pull out convenience. There shall be a Snap on type plastic label holder on Drawer Fronts. In addition, 28 -Ezeeø / -Visaø files (Foolscap) from front to back of thickness' 20mm per drawer capacity should be available. The Centralized locking System shall be provided along with Shooting Bolt Mechanism and 10 Lever Cam Lock. The VFC should have anti-tipping arrangement which ensures that when one drawer is opened for use, it does not allow other drawers to be opened. The High Quality Precision Ball Slide shall be provided with Drawer Load capacity of max 40 kg and UDL for 75,000 cycles (BS). Plain Triangular plate pop should be riveted at the bottom corners for rigidity. Optional Accessories like Drawer Partition and Cradle for hanging A4 file folders front to back should also be available. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). The design of this filing cabinet must be knock down type that is it shall be supplied safely in the corrugated boxes & then assembled at required site / Location..	
33.	Steel Almirah (five shelved)	Height: 1950mm, Width: 825mm, Depth: 475 mm, welded type construction with a back panel of 0.8mm thickness, 0.9mm thickness for other components & 0.8 mm thickness for shelf. Shelves should be 5 in number. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.	
34.	Steel Almirah (four	Height: 1950mm, Width: 825mm,	

	shelved)	Depth: 475 mm, welded type construction with a back panel of 0.8mm thickness, 0.9mm thickness for other components & 0.8 mm thickness for shelf. Shelves should be 4 in number. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.	
35.	Steel Almirah (three shelved)	Height: 1300mm, Width: 750mm, Depth: 425 mm, welded type construction with a back panel of 0.8mm thickness, 0.9mm thickness for other components & 0.8 mm thickness for shelf. Shelves should be 3 in number. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.	
36.	Steel wardrobe for Hostel	Shall have Double door steel wardrobe of Size: 800mm(W) x 485mm(D) x 1975mm(H). Welded construction, 0.7mm CRCA for shelf, 0.8mm Dent Resistant steel for back & doors, 0.9mm CRCA for all other components. Mazak handle, three way locking mechanism with shooting bolt. 2 Nos. of fix full shelf with center partition, 1.0mm ERW tube for hanging rod(2 nos.). M10 screw type leveler with hex plastic base Epoxy Powder coated to the thickness of 50 microns (+-10).	
37.	Steel Racks of 6 shelves	Height: 1950mm. The thickness of angles should be 1.6mm & should be of rolled formed construction, free from twist, sharp edges & burrs. The angle should be 40 x 40 mm with thickness of 1.8mm. Angles should have holes provided at a pitch of 19.05mm & should start at 19mm centers from each end. Shelves should be 6 in number & should be bend type made from mild steel sheets not less than 1.00mm thickness. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.	
38.	Steel Racks of 8 shelves	Height: 2400mm. The thickness of angles should be 1.6mm & should be of rolled formed construction, free from twist, sharp edges & burrs. The angle should be 40 x 40 mm with thickness of 1.8mm. Angles should have holes provided at a pitch of 19.05mm & should start at 19mm centers from each end. Shelves should be 8 in number & should be bend type made from mild	

		steel sheets not less than 1.00mm thickness. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.	
39.	Steel Book Cases	Height: 1742mm, Width: 914mm, Depth: 320mm. Panels & Frame should be made of 0.8mm thick Prime quality virgin CRCA steel. 4-doors knock down type construction. Each door should have 6 lever cam lock with common key. Each door should have 3.5mm thick transparent glass for clear inside vision secured in metal frame. Each door should have a scissor mechanism for receding inside the top of respective compartment & ensures parallel & smooth movement. Each door should have plastic side end caps & handle should be easy to grip. Load bearing of shelves should be 80kg. top panel should be made of 0.8mm thick metal sheet. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.	
40.	Steel Pigeon Holes	Size: 1950 x 825 x 450mm Made of 0.7 & 0.8mm thick CRC sheets, 8 holes with superior quality lock. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.	
41.	Sofa Set (1 Seater)	The length shall be 920 mm. Height shall be 760 mm, Width shall be 870 mm. Seating area length shall be 515 mm. Arm height shall be 480 mm arm width shall be 200 mm and Length between legs shall be 750 mm .The thread used shall be shall be poly proplin and type of thread shall be of nylon , polyester. The pitch of thread shall be 6 .The thickness shall be 0.9 mm PVC . The frame material shall have thickness of the plywood used shall be 18 mm and 12 mm and IS 303 Commercial plywood shall be used. The seat foam shall be 62, 22 and 10 mm thick and type of foam shall be virgin with density of 32d-28d. The back foam shall be 45 mm thick and type of foam shall be of virgin with density of 26-32 d. The Armrest foam shall be 45 mm thick and type of foam shall be of virgin with density of 26 d. The belt used shall	

		be of width 68-48 mm with total length used shall be 68 mm - 2500 mm and 48 mm - 2000 mm. The leg material shall contain Woodscrew provided on frame in addition to M-8 / T-Nut also material of leg shall be plastic. Bush for Leg bottom shall be PVC Bush.	
42.	Sofa Set (2 Seater)	The length shall be 1340 mm Height shall be 760 mm Width shall be 870 mm Seating area length shall be 940 mm Arm height shall be 480 mm arm width shall be 200 mm and Length between legs shall be 1080 mm .The thread used shall be shall be poly proplin and type of thread shall be of nylon , polyester. The pitch of thread shall be 6 .The thickness shall be 0.9 mm PVC . The frame material shall have thickness of the plywood used shall be 18 mm and 12 mm and IS 303 Commercial plywood shall be used . The seat foam shall be 62, 22 and 10 mm thick and type of foam shall be virgin with density of 32d-28d . The back foam shall be 45 mm thick and type of foam shall be of virgin with density of 26-32 d. The Armrest foam shall be 45 mm thick and type of foam shall be of virgin with density of 26 d. The belt used shall be of width 68-48 mm with total length used shall be 68 mm - 3300 mm and 48 mm -2500 mm. The leg material shall contain Woodscrew provided on frame in addition to M-8 / T-Nut also material of leg shall be plastic. Bush for Leg bottom shall be PVC Bush.	
43.	Sofa Set (3 Seater)	The length shall be 1750 mm Height shall be 760 mm Width shall be 870 mm Seating area length shall be 1340 mm Arm height shall be 480 mm arm width shall be 200 mm and Length between legs shall be 1580 mm The thread used shall be shall be poly proplin and type of thread shall be of nylon , polyester. The pitch of thread shall be 6 .The thickness shall be 0.9 mm PVC . The frame material shall have thickness of the plywood used shall be 18 mm and 12 mm and IS 303 Commercial plywood shall be used . The seat foam shall be 62, 22 and 10 mm thick and type of foam shall be virgin with density of 32d-28d . The back foam shall be 45 mm thick and type of foam shall be of virgin with density of 26-32 d. The Armrest foam	

		shall be 45 mm thick and type of foam shall be of virgin with density of 26 d. The belt used shall be of width 68-48 mm with total length used shall be 68 mm - 4500 mm and 48 mm -3500 mm. The leg material shall contain Woodscrew provided on frame in addition to M-8 / T-Nut also material of leg shall be plastic. Bush for Leg bottom shall be PVC Bush.	
44.	Public Seating	Public Seating Benches shall be 3 seater with 2 arms on extreme ends without seat cushion. Overall Dimensions: Seat Height - 41.0cm, Height - 78.5cm. Width & Depth of Chair: Width-180.0cm and Depth-62.5 cm. Cross beam shall be made up of black powder coated rectangular M.S.E.R.W. tube having 8 ± 0.03 cm x 4 ± 0.03 cm x 0.2 ± 0.016 cm size. Leg shall be chrome plated made of cold rolled steel with 0.12 ± 0.013 cm thickness. It shall be 1.6 mm thk powder-coated perforated shell made from cold rolled M.S. sheet 0.16 ± 0.013 cm thickness. The Side Bar shall be made of Chrome plated solid steel 3 ± 0.03 cm x 1.2 ± 0.3 cm (DIN174) with fluting and plastic inserts. The Shell shall be assembled on the Cross Beam with help of M8 Bolts (Per Seat- 8 nos. Seat to Bracket and 4nos. Bracket to Cross Beam).	
45.	Podium/ Lecture Stand	Size: 48" x 24" x 18" Wooden shall be made of hardwood/brunwood having drawer, sprit polished. BSL particle board top.	
46.	Hostel cots	The Overall size shall be Width 2056 mm x Depth 800mm x Height 650mm x Bed Stead Height 400mm. The bed Frame assembly shall be welded of side frame , Inner slat . The side frame shall be made of rectangular pipe 50.8 x 25.4 x 1.2 mm thk. MS. The assembly of inner slats of Sq. TUBE 19 X 1.0 mm MS ERW TUBE IS: 7138. The head Board and Tail Board Shall be Made up of SQ. Pipe 38.1 X 1.2 mm & SQ. 25.4 x 1.0 mm thk. MS ERW Tube IS : 7138 and Support Bracket 3.2 mm thk. MS Sheet IS : 513 Head/Tail Board Connected with bed frame with M8 bolt. The finish shall be epoxy polyester coated and cladding shall be 12 mm thk. Plywood.	

47.	Dictionary Stand	Shall have Top 16" x 24". One shelf shall make two compartments . Should be made of best quality material duly polished. Size: L-22" x D-15" x F.H-40" & B.H-43"	
48.	Periodical Display cum Storage Rack 25 compartments.	Each compartment should be of 10.5" x 13.5" fitted with slanting plank of roll in type for display of magazine, having storage space for the old issues at the back of each display plank. Also should have wooden handle-cum-Label holder. Sides of Rack and front of each plank should have laminate made of best quality material complete with fittings duly polished. 57"x16"x78"	
49.	Step Stool Size compartments. 17" x 17" x 17"	Shall have two steps approx. 9"x17" including top. Shall be made of best quality material duly polished.	
50.	Book Trolley Steel	Shall have Three straight shelves. Should be made of best quality material duly polished. Size 40"H x 33"L x 15"D	
51.	Book Supports Big size: 7" x 7"	Should be made up of Heavy 16 gauge CRC Steel Sheet.	
52.	Book Supports Regular size: 4" x 5"	Should be made up of Heavy 16 gauge CRC Steel Sheet.	
53.	Library Counter, Semi Circle cum Conical Shape.	9øL x 5øD x 42" H. Shall be provided with charging tray drawers, cupboards, regular use drawers, shall have provision for computer Monitor, Keyboards & UPS. Should be Fitted with table manager (for wires) on the top of the counter.	
54.	Revolving General book stand (Steel)	Shall have 20 pockets i.e. five on each side (in different sizes). Should be made of wire with tyres fixed on the base.	
55.	4 sided perforated stand	Standard one.	
56.	Newspaper Display stands.	With 8 wooden sticks open/closed cupboard at base. Shall be made of best quality material duly polished.	
57.	Newspaper display stand	Shall be Vertical sloped type. For display of 10 Newspapers with chrome plated stand. Size: 66øH x 30øW x 30øD	
58.	Study Table.	Double Sided with sloped top. Should be made of best quality material duly polished. Size: 0.08' L x 3' W x 4.5' H	
59.	Scholar cubicle for single reader	Shall be made of best quality material duly polished. Size: 48" H x 32" W x 32"L	
60.	Revolving Magazine Racks	Shall have 16 pockets i.e. four on each side (in different sizes). Shall be made of wire with tyres fixed on the base.	

61.	Library Book Racks	<p>Dimensional Configuration: Height ó 2285 mm Width of Basic Section with sides shall be ó 985 mm Width of Add on section shall be ó 885mm Depth of Single Face Stacks ó 350mm Depth of Double faced Stacks ó 550 mm Shelves shall be of sizes 880 mm (W) x 230 mm (D) x 1 mm (T) Side Ends in MS. Book Stacks should be Robust steel column fabricated with precision and designed to take care of stresses and deformations induced due to forces while stacking the Books on the unit. The column of the unit should have vertical slots at 28.6mm pitch which gives flexibility to hook the shelf bracket for fixing the shelves at varying heights. Horizontal channel assembly shall have stanchion & shoe unit, which forms the rigid super structure to fix the shelf (Loading panel). Super structure of the Book stack should be of bolted construction comprising of Stanchion unit with shoe & Horizontal channel. Bolting of all structural members should be done using fasteners of grade 8.8. All fasteners should come with galvanized finish. Assembly: All Assembly of Stanchion unit with Base shoe and Horizontal channel should be done by bolting. Shelves should be of hooking type, hooked with shelf brackets and fixed to stanchion slot, by simple hooking. End wooden claddings shall be bolted with end stanchion units. Surface Finish: All steel components unless otherwise specified shall be powder coated for obtaining a smooth, scratch resistant and lasting attractive finish. The Dry Film Thickness (DFT) after powder coating should be average 30 microns. All components should be subjected to an elaborate anti corrosion treatment.</p>	
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The specifications mentioned above are only '*indicative*'. Variations up to 5% in the specifications are acceptable while short-listing suppliers w.r.t technical bids.

**PROFORMA FOR FINANCIAL BID
(PART –II)**

Name of the Bidder:í ..

Tel Nosí í

Item No.	Name	Specifications	Make	Rate Quoted per Unit (Rs)
1.	Officer Table Executive-A (Main Desk, ERU, Back Unit & Tower Unit)	<p>The Main desk size shall be : 2400 Width mm x 1100 Depth mm x 735 Height mm. The top panel shall be 40 mm thick (18 mm MDF + 18 mm MDF batons + 4 mm Natural Veneer). Veneered portion of work surface is to be finished with high gloss polyester. The understructure shall be having legs made from 1.6 mm thick MS clad with the strips of MFC (Medium Density fiber). Hollow construction of legs should facilitate wire management. The modesty & side panel should be 18 mm thick MDF plus pigmented black and coated with melamine. The storage shall be having drawer unit. Unit body shall be constructed from 18 mm thick MDF boards having combination of 2 box drawers + 1 filling drawer. Drawers should be mounted on double extension ball slides + drawer fronts should be of natural veneer coated with High gloss Polyester and made of 23 mm (18 mm MDF + 4 mm Natural Veneer + 1 mm DL) and drawer body made up of 14 mm MDF (12 mm MDF + 1 mm DL + 1 mm DL).</p> <p>The ERU size shall be : 1400 Width mm x 600 Depth mm x 700 Height mm. The top panel shall be 40 mm thick(18 mm MDF + 18 mm MDF batons + 4 mm Natural Veneer) Veneered portion of work surface should be finished with high gloss polyester. The understructure shall be having the modesty panel of 18 mm thick MDF plus pigmented black and coated with melamine. The storage shall be having drawer unit. Unit body shall be constructed from 18 mm thick MDF boards having combination of 2 box drawers + 1 filling drawer. Drawers should be mounted on double extension ball slides + drawer fronts should be of natural veneer coated with High gloss Polyester and made of 23 mm (18 mm MDF + 4 mm Natural Veneer + 1 mm DL) and drawer body made of 14 mm MDF (12 mm MDF + 1 mm DL + 1 mm</p>		

		<p>DL).</p> <p>The Back unit size shall be of : 1860 Width mm x 560 Depth mm x 670 Height mm. The door shall be 23 mm thick (18 mm thick Batons + 4 mm Veneer + 1 mm Backing Decorated (BDL)) . The Shelves and Partitions should be of 18 mm thick MDF (Medium density fiber) + Pigmented Black and coated with Melamine.</p> <p>The Tower Unit size shall be : 1700 Width mm x 400 Depth mm x 1200 Height mm. Panels shall be 18 mm thick MDF (Medium density fiber) Pigmented Black. The glass should be 12 mm thick and glass shall be Float glass plus the edges shall be Diamond cut Polished.</p>		
2.	Officer Table Executive-B (Main Desk + Side Unit + Pedestal)	<p>The Main table shall be of size 1800 Width mm x 900 mm Depth x 750 mm height. Top surface of the table shall made up of MDF (Medium density fiber) board duly finished with Veneer and final coating of PU. The Main desk should contain in built key board pull out tray for keeping keyboard of computer. The front modesty panel of the table shall be made up of MDF board of size 1640 mm x 600 mm x 16mm which shall also be duly finished with Veneer and PU coating. For personal storage one mobile pedestal (3 drawer unit) shall be provided of size 510 mm Width x 635 mm Height and 445 mm Depth. The storage pedestal shall also be made up of MDF duly finished with veneer & final coating of PU. The Side Unit shall be of size 1200mm Width x 445mm Depth x 660 mm Height. The side unit shall be made up of MDF board duly finished with Veneer and final finish by PU Coating. The design of the side unit shall be such that it can be placed on either side of the main table. The side unit shall contain open space for keeping CPU in extreme right side, one closed storage shutter at extreme left end & open space in the middle with one shelf for keeping files. The thickness of the top of the side unit shall be 25mm.</p>		
3.	Officer Table Executive - C (Main Desk + ERU only)	<p>The Main desk shall be of size : 2000 Width mm x 900 Depth mm x 750 Height mm. The desk top shall be made up of 18 x 3 mm layers (i.e. 54 mm) MFC (melamine faced chipboard) top with maple coloured melamine finish. The three distinct layers shall be highlighted by the twin colour 2 mm thick PVC lipping (maple grey maple). Dimensions shall be 2000 width mm x 900</p>		

		<p>depth mm x 54 thickness mm. The top shall rest on 4 circular metallic connectors, two on either sides which in turn rest on two pedestals on either sides. Also 2 metallic peninsular legs with adjustable PVC bush shall be fixed to the bottom of the main top for giving better looks. In built Main desk shall be provided with an accessory of 4 mm thick synthetic leather Desk pad, black in colour. The modesty panel should be curved in shape which shall be made up of MS sheet with grey coloured powder coating finish. It shall be fixed to the pedestals. The main desk pedestal shall be having one 3 drawer unit and one HDU. It shall be made up of 18 mm thick MFC with maple melamine finish with PVC lipping. The front and back of both pedestals shall be in maple colour while the side panels shall be in grey matching to the modesty. Metal telescopic slides shall be used for smooth functioning of drawers. HDU shall have a shelf.</p> <p>Overall dimension of ERU shall be 1050mm Width x 500mm Depth x 750mm Height. The ERU top shall be of 18 mm x 3 layers (54 mm) MFC top with maple coloured melamine finish. The 3 distinct layers shall be highlighted by the twin colour 2 mm thick PVC lipping (maple & grey). ERU back panel shall be made up of 8 mm MFC with melamine finish. ERU shall have a lockable HDU with a shelf. The HDU door shall be in maple colour while the side panel shall be in grey colour. ERU shall have a provision of KBPT. ERU base shall have 4 castors (concealed) with skirting.</p>		
4.	Officer Table Executive - C (Back Unit only)	<p>Over all dimensions of the Back unit shall be 2000mm Width x 400mm Depth x 1190mm Height. The Back unit top panel shall be of 18 mm x 2 layers (i.e. 36 mm) MFC top with maple coloured melamine finish. The 2 distinct layers shall be highlighted by the twin colour 2 mm thick PVC lipping (maple & grey). Back unit should have 5 wooden hinged doors and one open shelf. Back unit doors shall be made up of 18 mm thick maple. The side panels (18 mm thick) shall be in grey colour. The back panel shall be of cabinet of 8 mm thick MFC with melamine. Legs should be of PVC in black colour. There shall be a background panel on the cabinet top back. There shall also be 6 fixed plastic</p>		

		legs of 60 mm under the cabinet.		
5.	Office Table- A	The table shall be of size 1200 mm x 600 mm x 750 mm (WxDxH). The top panels shall be made from 18 +/- 0.5 mm thick Pre - laminated boards with 2 mm thick PVC edge banding on all sides . Understructure shall be made from 0.9 mm +/- 0.09 mm thick powder coated 50 microns (+/-10) CRCA MS. Tubular Frame shall be dia. 25.4 +/- 0.3 mm x 1.2 +/- 0.096 mm thick MS ERW tube. Modesty panel shall be made from 1.0 +/- 0.09 mm thick powder coated 50 microns (+/- 10). The Storage shall be having shell 0.5 +/- 0.07 mm thick CRCA MS plus drawer tray 0.5 +/- 0.07 mm thick CRCA MS plus drawer front 0.8 +/- 0.1 mm thick CRCA MS . Also there should be 10 lever cam lock plus handles built in plastic.		
6.	Office Table- B	The table shall be of size 1350 mm x 700 mm x 750 mm (WxDxH). The top panels shall be made from 18 +/- 0.5 mm thick Pre - laminated boards with 2 mm thick PVC edge banding on all sides . Understructure shall be made from 0.9 mm +/- 0.09 mm thick powder coated 50 microns (+/-10) CRCA MS. Tubular Frame shall be dia. 25.4 +/- 0.3 mm x 1.2 +/- 0.096 mm thick MS ERW tube. Modesty panel shall be made from 1.0 +/- 0.09 mm thick powder coated 50 microns (+/- 10). The Storage shall be having shell 0.5 +/- 0.07 mm thick CRCA MS plus drawer tray 0.5 +/- 0.07 mm thick CRCA MS plus drawer front 0.8 +/- 0.1 mm thick CRCA MS. Also there should be 10 lever cam lock plus handles built in plastic.		
7.	Office Table- C	The table shall be of size 1650 mm x 900 mm x 750 mm (WxDxH). The top panels shall be made from 25 +/- 0.5 mm thick Pre - laminated boards as per with 2 mm thick PVC edge banding on all sides . Understructure shall be made from 0.9 mm +/- 0.09 mm thick powder coated 50 microns (+/-10) CRCA MS. Tubular Frame shall be sq. 25.4 +/- 0.3 mm x 1.2 +/- 0.096 mm thick MS ERW tube. Modesty panel shall be made from 1.0 +/- 0.09 mm thick powder coated 50 microns (+/- 10). The Storage shall be having shell 0.5 +/- 0.07 mm thick CRCA MS plus drawer tray 0.5 +/- 0.07 mm thick CRCA MS plus drawer front 0.8 +/- 0.1 mm thick CRCA MS . Also there should be 10 lever cam lock plus handles built in plastic. The design of the		

		table must be knock down type that is it shall be supplied safely in the corrugated boxes & then assembled at required site / Location.		
8.	Office Table- D	The table shall be of size 1650 mm x 900 mm x 725 mm (WxDxH). The Top shall be 25 mm thick pre-laminated board with 2 mm thick matching lipping stiffener provided under the top to give addition strength (1.6 mm thick MS).The Understructure shall be having pedestal of combination of processed wood (PLB) and mild steel (MS).There shall be 2 box drawers plus 1 filling drawer combination for both pedestals, the pedestal shell shall be 0.8 mm thick MS plus the drawer tray and separator shall be 0.6 mm thick MS. There shall be sleek handles for easy grip, glide screws for leveling and also independent locking arrangement for each pedestal. The Modesty shall be of MS panel (1.0 mm thick) recessed inside for more leg room. Panel shall be styled with cutouts (windows) to give it a trendy and up market look. The design of the table must be knock down type, that is, it shall be supplied safely in the corrugated boxes & then assembled at required site / Location.		
9.	Reading Table for Hostel	Table size shall be 900 mm Width x 600 mm Depth x 750 Height. The top panels shall be made from 18 mm thick Pre - laminated boards with 2 mm thick PVC edge banding on all sides. Understructure shall be made from 0.9 mm +/- 0.09 mm thick powder coated 50 microns (+/-10) CRCA MS. Tubular Frame shall be sq. 25.4 +/- 0.3 mm x 1.2 +/- 0.096 mm thick MS ERW tube. Modesty panel shall be made from 1.0 +/- 0.09 mm thick powder coated 50 microns (+/- 10). The Storage shall be having shell 0.5 +/- 0.07 mm thick CRCA MS plus drawer tray 0.5 +/- 0.07 mm thick CRCA MS plus drawer front 0.8 +/- 0.1 mm thick CRCA MS . Also there should be 10 lever cam lock plus handles built in plastic.		
10.	Reading Table for Library	Length: 1800mm, Width: 900 mm, Height: 740mm Worktop: 25mm should be thick Pre-laminated particle board fitted with 2mm thick machine fitted PVC edge. Understructure: should consist of C-frames made up of 1.6 mm thick virgin mild steel C-frame supporting the top. Legs: should have a dia of 38.1x1.6mm		

		thick MS ERW tube. All the metal shall be given antirust surface treatment.		
11.	Computer & Printer Table-A	<p>Dimensions (mm): 900Wx450Dx 745H</p> <p>Top: 18mm thick Pre-Laminated Board with Machine fitted PVC edge.</p> <p>Under structure: should be made of 15mm thick particle board with space for CPU on left side and different cabinets for printer and scanner.</p> <p>Table should be provided with one sliding key board tray with one sliding mouse platform.</p> <p>It should be provided with wheels and Footrest at base.</p>		
12.	Computer & Printer Table-B	<p>The construction shall be knock down fitting. The top size shall be 900 mm (L) x 590 mm (W) x 745 mm (H) .The table top shall have load bearing capacity of 40 Kg and shelf shall have 15 Kg. The top shall be Pre laminated board (PLB) .25 mm for table top with 2.0 mm thick PVC lipping . Leg shall be MS ERW Tube 1.6 mm thick .Foot Rest shall be MS CRCA Sheet 1.2 mm . The CPU Stand shall be MS ERW Tube Ø 25.4 mm x 1.25 mm thick. The Vertical Cover MS CRCA sheet 0.8 mm thick. Wire Mesh Tray shall be MS Bright Bar Ø 8.0 & Ø 4.0 .</p>		
13.	Centre Table	<p>Dimensions(mm): 1100Wx600Dx 500H</p> <p>8 mm tempered glass top. 6mm Tempered bottom glass for storage option. Silver powder must be coated under structure. Glass should be attached to under structure via UV disc.</p>		
14.	Conference Table for Meeting Hall	<p>Conference Table shall be Single seater 760 Width mm x 600 Depth mm, Two seater 1360 Width mm x 600 Depth mm, Half Round (2 Seater) R 713 + Quarter Round (1 Seater) R 713. The top shall be 31.6 mm thick (18 mm + 12 mm + 0.6 mm DL (both sides) + 0.4 mm Membrane). Edge Profile shall be waterfall edge 10 mm radius on top edge and 5 mm at bottom. In the Understructure, the Legs shall be made from 25 mm PPB having a straight profile with half round edges and clad with 0.6 mm thick post Forming laminate. Overall thickness of leg shall be 26.2 mm The modesty panel in understructure shall be made from PLT (Pre laminated twin) boards of 18 mm thick. There shall be Wire Management. Wire carrier shall be made from 0.6 mm thick CRCA painted and carrier cover shall be made of 12 mm thick MDF</p>		

		<p>Painted all over.</p>		
15.	Teapoy-A	<p>Table Legs shall be Oval Metal Tube with thickness of 1.5 mm and color shall be Silver powder coating. Table top shall be of size 600 mm Length x 600 mm Width x 8 mm Thick and color shall be Partial black tempered glass top with full black tempered glass. The table bottom shall be of size 500 mm Length x 500 mm Width x 5 mm Thick and full black tempered glass shall be there . The finishing shall be of Partial black glass and silver powder coating frame and legs.</p>		
16.	Teapoy-B	<p>Table top shall be of sheesham 18 mm with legs shall be of 80 x 80 Top side and 40 x 40 Bottom side. The support shall be 45 x 25 mm and 8 pcs Bolt and nut shall be there.</p>		
17.	Multipurpose table	<p>Dimensions (mm): 900(W) x 600(D) x 750(H) Top: 18mm thick Pre-laminated board All work surface edges shall be duly sealed with 2mm thick machine fitted PVC beading. Understructure: should consist of C-frames made up of 1.6 mm thick virgin mild steel C-frame supporting the top. Legs: should have a dia of 38.1x1.6mm thick MS ERW tube. All the metal shall be given antirust surface treatment. The Understructure should be provided with one sliding drawer and one filing cabinet.</p>		
18.	Mid Back Executive Chair	<p>The seat 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 or synthetic leather and moulded polyurethane foam. The back shall be made up 1.2+/-0.1cm thick hot pressed plywood upholstered with replaceable fabric or synthetic leather upholstery covers and moulded polyurethane foam. The moulded polyurethane foam shall be of density 45+/-2kg/m³, and hardness load 16+/-2kgf as per IS:7888 for 25% compression. The dimensions of seat shall be- 51.0cm(W) x 48.0cm(D) and of back shall be 48.0cm(W) x 64.5cm(H). The armrest top shall be made of moulded polyurethane and mounted on to a drop lift height adjustable type M.S tubular armrest support chrome plated. The armrest height shall be adjustable up to 6.5+/-0.5cm in 5 steps and also has swivel adjustment of 22 degree+/-2 on both sides. The mechanism of the chair</p>		

		<p>shall have following features : 360° revolving type, Knee tilt synchro mechanism, Tilt tension adjustment, Single point control, 4 position locking with anti shock feature, Seat/Back tilting ratio of 1:2. Seat depth adjustment of 6.0+/-0.5cm should be locked in 6 positions. The backrest shall consists of a sliding up down mechanism, Which can be adjusted in the range of 7.5+/-0.5cm and should be locked in 4 positions for correct position of lumber support. The chair shall be provided with pneumatic height adjustment which shall have stroke of 9.0 +/- 0.3 cm. The pedestal shall be fabricated from 0.2+/-0.02cm thick HR sheet, chrome plated and assembled with injection moulded black polypropylene hub cap. The size of the pedestal shall be 66.0+/- 0.5 cm pitch-centre-dia (76.0 +/- 1.0 cm with castors). The twin wheel castors shall be made black nylon. Overall dimensions of Chair shall be, Width of Chair - 76.0cm, Depth of Chair - 76.0cm as measured from pedestal below. Height from ground - min 89.0 to max 105.0cm. Seat height - min 46.5 to max 55.5cm. Dimensions tolerance / variations shall be within +/- 1 cm.</p>		
19.	High Back Executive Chair	<p>The seat 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 or synthetic leather and moulded polyurethane foam. The back shall be made up 1.2+/-0.1cm thick hot pressed plywood upholstered with replaceable fabric or synthetic leather upholstery covers and moulded polyurethane foam. The moulded polyurethane foam shall be of density 45+/-2kg/m³, and hardness load 16+/-2kgf as per IS:7888 for 25% compression. The dimensions of seat shall be- 51.0cm(W) x 48.0cm(D) and of back shall be 48.0cm(W) x 76.0cm(H). The armrest top shall be made of moulded polyurethane and mounted on to a drop lift height adjustable type M.S tubular armrest support chrome plated. The armrest height shall be adjustable up to 6.5+/-0.5cm in 5 steps and also has swivel adjustment of 22 degree+/-2 on both sides. The mechanism of the chair shall have following features : 360° revolving type, Knee tilt synchro mechanism, Tilt tension adjustment, Single point control, 4 position locking with anti shock feature, Seat depth</p>		

		<p>adjustment of 6.0+/-0.5cm should be locked in 6 positions. The backrest shall consists of a sliding up down mechanism, which can be adjusted in the range of 7.5+/-0.5cm and should be locked in 4 positions for correct position of lumber support. The chair shall be provided with pneumatic height adjustment which shall have stroke of 9.0 +/- 0.3 cm. The pedestal shall be fabricated from 0.2+/-0.02cm thick HR sheet, chrome plated and assembled with injection moulded black polypropylene hub cap. The size of the pedestal shall be 66.0+/- 0.5 cm pitch-centre-dia (76.0 +/- 1.0 cm with castors). The twin wheel castors shall be made black nylon. Overall dimensions of Chair shall be, Width of Chair - 76.0cm, Depth of Chair - 76.0cm as measured from pedestal below. Height from ground - min 101.5 to max 117.5cm. Seat height - min 46.9 to max 55.9cm. Dimensions tolerance / variations shall be within +/- 1 cm.</p>		
20.	Conference Chair	<p>The seat 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 or synthetic leather and moulded polyurethane foam. The back shall be made up 1.2+/-0.1cm thick hot pressed plywood upholstered with replaceable fabric or synthetic leather upholstery covers and moulded polyurethane foam. The moulded polyurethane foam shall be of density 45+/-2kg/m³, and hardness load 16+/-2kgf as per IS:7888 for 25% compression. The dimensions of seat shall be- 51.0cm(W) x 48.0cm(D) and of back shall be 48.0cm(W) x 76.0cm(H). The armrest top shall be made of moulded polyurethane and mounted on to a fixed type M.S tubular armrest support chrome plated. The Arm support should have static vertical adjustment of +/-1.5+/-0.05cm. The mechanism of the chair shall have following features : 360⁰ revolving type, Front pivot synchro mechanism, Tilt tension adjustment, Single point control, 4 position locking with anti shock feature, Seat/Back tilting ratio of 1:2. The backrest shall consist of a fixed type mechanism i.e. no back up/down adjustment. The chair shall be provided with pneumatic height adjustment which shall have stroke of 9.0 +/- 0.3 cm. The pedestal shall be fabricated from 0.2+/-0.02cm thick HR sheet, chrome</p>		

		plated and assembled with injection moulded black polypropylene hub cap. The size of the pedestal shall be 66.0+/- 0.5 cm pitch-centre-dia (76.0 +/- 1.0 cm with castors). The twin wheel castors shall be made black nylon. Overall dimensions of Chair shall be, Width of Chair - 76.0cm, Depth of Chair - 76.0cm as measured from pedestal below. Height from ground - min 102.5 to max 111.5cm. Seat height - min 46.0 to max 55.0cm. Dimensions tolerance / variations shall be within +/- 1 cm.		
21.	Mid Back Office Chair	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±2 kg/m ³ and hardness load 16 ± 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 have an adjustment stroke of 12.0 ±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 ±0.5cm. pitch-center dia. (76.3 ±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 - min85.5 to max 97.5cm, Width & Depth of Chair as measured from pedestal - Width-76.3 cm and Depth-76.3 cm. The chair shall be green guard certified & a copy of certificate shall be attached with the bid.		
22.	High Back Office Chair	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		

		<p>fabric upholstery covers and moulded Polyurethane foam. The back foam shall be designed with contoured lumbar support for extra comfort. The seat shall have 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 ± 2 kg/m³ and hardness load 16 ± 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 have an adjustment stroke of 12.0 ± 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 ± 0.5cm. pitch-center dia. (76.3 ± 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 - min 97.0 to max 109.0cm, Width & Depth of Chair as measured from pedestal - Width-76.3 cm and Depth-76.3 cm. The chair shall be green guard certified & a copy of certificate shall be attached with the bid.</p>		
23.	Visitor Chairs with Arms	<p>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 shall be upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam shall be designed with contoured lumbar support for extra comfort. The dimensions of the back shall be 49.0 cm. (W) x 47.0 cm and of seat shall be 49.0 cm. (W) x 44.0 cm. (D). The HR Polyurethane foam shall be moulded with density= 45 ± 2 kg/m³ and Hardness load 16 ± 2 kgf as per IS:7888 for 25% compression. The armrest tops shall be injection moulded from black Polypropylene. They shall be fitted to tubular armrest supports made of dia 2.54 ± 0.03cm. x 0.16 ± 0.0128cm.thk. M.S.</p>		

		E.R.W. tube and black powder coated (DFT 40-60 microns). The tubular armrest supports should hold together the seat and back. The tubular frame shall be cantilever type & made of 0 2.54±0.03cm. x 0.2 ±0.016cm.thk. M.S. E.R.W. tube and black powder coated (DFT 40-60 microns). Overall Dimensions of Chair shall be Seat Height - 43.0cm, Height - 80.0cm, Width & Depth of Chair as measured from pedestal - Width-55.0 cm and Depth-61.0 cm.		
24.	Visitor Chairs without Arms	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 shall be upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam shall be designed with contoured lumbar support for extra comfort. The dimensions of the back shall be 49.0 cm. (W) x 47.0 cm and of seat shall be 49.0 cm. (W) x 44.0 cm. (D). The HR Polyurethane foam shall be moulded with density= 45 ±2 kg/m ³ and Hardness load 16 ± 2 kgf as per IS:7888 for 25% compression. The tubular frame shall be cantilever type & made of 0 2.54±0.03cm. x 0.2 ±0.016cm.thk. M.S. E.R.W. tube and black powder coated (DFT 40-60 microns). Overall Dimensions of Chair shall be Seat Height - 43.0cm, Height - 80.0cm, Width & Depth of Chair as measured from pedestal - Width-52.5 cm and Depth-61.0 cm.		
25.	Computer Operator Chair with Armrest	The seat 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 back shall be injection moulded from black Co-polymer Polypropylene and upholstered with fabric and moulded Polyurethane foam together with covers. The back foam shall be designed with contoured lumbar support for extra comfort. The dimensions of back shall be 39.0cm(W) x 24.0cm.(H) and of seat shall be 45.5cm(W) x 41.0cm.(D). The HR polyurethane foam shall be moulded with density =45+/-2 kg/m ³ and hardness load 16 ± 2 kgf as per IS:7888 for 25% compression. The upholstered seat shall be covered on the underside with black Polypropylene non-woven -fabric and the upholstered back shall be covered with a back cover injection moulded in black Co-polymer Polypropylene. The armrest tube shall be made of 3.5 ±0.03cm. X 1.5		

		<p>$\pm 0.02\text{cm}$. X $0.16 \pm 0.015\text{cm}$. thk. M.S. E.R.W. oblong connecting tube welded to dia 2.54cm. x $0.16 \pm 0.015\text{cm}$. thk. M.S. E.R.W. support tubes and black powder coated (DFT 40-60 microns). The armrest shall be made of black- integral skin-polyurethane with 50-70 Shore 'A' Hardness and reinforced with M.S. insert. The adjustable back mechanism shall be designed with 360° revolving type, Provision for backrest tube ($3.5 \pm 0.03\text{cm}$. X $1.5 \pm 0.02\text{cm}$. X $10.16 \pm 0.015\text{cm}$, Back height adjustment $9.0 \pm 0.5\text{cm}$, Infinite locking of back height. The pneumatic height adjustment shall have an adjustment stroke of $11.0 \pm 0.3\text{ cm}$. The pedestal shall be fabricated from $0.2 \pm 0.02\text{ cm}$ thick HR sheet (IS :DD1079/ HR), powder coated (DFT 40-60 microns) and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors. The pedestal shall be $55.0 \pm 0.5\text{cm}$. pitch-center dia. ($65.0 \pm 1.0\text{ cm}$. with castors). The twin wheel castors shall be injection moulded in Black Nylon. Overall Dimensions of Chair shall be, Seat Height - min 43.0 to max 54.0cm, Height - min 69.1 to max 89.1cm, Width & Depth of Chair as measured from pedestal - Width-65.0 cm and Depth-65.0 cm.</p>		
26.	Computer Operator Chair without Armrest	<p>The seat shall be made up of $1.2 \pm 0.1\text{cm}$ thick hot pressed plywood measured as per QA method described in OCP-QLTA-P14-18 and back shall be injection moulded from black Co-polymer Polypropylene and upholstered with fabric and moulded Polyurethane foam together with covers. The back foam shall be designed with contoured lumbar support for extra comfort. The dimensions of back shall be $39.0\text{cm(W)} \times 24.0\text{cm(H)}$ and of seat shall be $45.5\text{cm(W)} \times 41.0\text{cm(D)}$. The HR polyurethane foam shall be moulded with density $=45 \pm 2\text{ kg/m}^3$ and hardness load $16 \pm 2\text{ kgf}$ as per IS:7888 for 25% compression. The upholstered seat shall be covered on the underside with black Polypropylene non-woven -fabric and the upholstered back shall be covered with a back cover injection moulded in black Co-polymer Polypropylene. The adjustable back mechanism shall be designed with 360° revolving type, Provision for backrest tube ($3.5 \pm 0.03\text{cm}$. X $1.5 \pm 0.02\text{cm}$. X $10.16 \pm 0.015\text{cm}$, Back height adjustment</p>		

		<p>9.0 ±0.5cm, Infinite locking of back height. The pneumatic height adjustment shall have an adjustment stroke of 11.0 ±0.3 cm. The pedestal shall be fabricated from 0.2 ± 0.02 cm thick HR sheet (IS :DD1079/ HR), powder coated (DFT 40-60 microns) and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors. The pedestal shall be 55.0 ±0.5cm. pitch-center dia. (65.0 ±1.0 cm. with castors). The twin wheel castors shall be injection moulded in Black Nylon. Overall Dimensions of Chair shall be, Seat Height - min 43.0 to max 54.0cm. Height - min 69.1to max 89.1cm, Width & Depth of Chair as measured from pedestal - Width-65.0 cm and Depth-65.0 cm.</p>		
27.	Class Room Desks- A	<p>Desk Cum Bench shall be of size 1050 mm x 900 mm x 750 mm (WxDxH). Top & Seat Panel shall be 18 mm thick PLB (pre - laminated board) and the Back panel shall be 18 mm thick PLT . The Understructure shall be MS SQ tubes of size 25.4 mm x 1.2 mm Plus there shall also be a storage Shelf below the Top. <i>(Note: The University may require Multi-Coloured Desks)</i></p>		
28.	Class Room Desks- B	<p>Size of 1140 Width mm x 1095 Depth mm x 707 Height mm. All panels shall be made from 18 mm thick pre-laminated twin board with PVC edge banding on all sides. The panels shall have corners rounded for safe usage. All side metal frames and cross connectors shall be made from combinations of 25.4 x 1.2 mm thick round ERW tubes 31.8 x 1.2 mm thick round ERW tubes and 28.6 x 1.2 mm thick round ERW tubes which shall be welded together. The welded structures and cross connectors shall be coated with min. 45 micron thickness of epoxy polyester coating. Back supports which shall be provided at the rear back shall be made of 50.8 x 25.4 x 1.2 mm thick rectangular ERW tubes. The tubes shall be coated with min. 45 microns of epoxy polyester coating. The storage shelves shall be made from 0.6 mm thick MS sheet fixed below the desk top panel and are coated with min. 45 micron of epoxy polyester coating. Hooks shall be provided on the vertical side frames on both sides of the desk for hanging bags/bottles. They shall be made from 2 mm thick MS Sheet and are coated with min. 45 micron thickness of epoxy polyester coating. The</p>		

		<p>understructure shall be assembled using M6 tri-lobular screws with Zn blue plating. Spacers shall be provided on the top of round tubes for wooden panels fixing which shall be made of PP Glass filled. Plastic caps made of PP copolymer (3530 Grade) should also provided on the rear frames adding more aesthetic value to the product. M6 high tensile TVS make bolt with glass filled nylon level adjustors shall be provided at the bottom of understructure to take care of unevenness in the floor with height adjustment of approx. 15 mm.</p> <p><i>(Note: The University may require Multi-Coloured Desks)</i></p>		
29.	Class Room Desks- C	<p>Desks 2 Seater size shall be 1200 mm Width measured from Desktop x 1050 mm Depth measured overall x 725 mm Height from ground level to Desk Front. Top shall be 12 mm thick base material -10.4 mm bent ply plus 0.8 mm thick decorative laminate on top and 0.8 mm thick backing laminate on bottom surface plus edge finish of melamine matching with decorative laminate. There shall also be M6 Plastic inserts provided for mounting the desk to the understructure . Storage under desk shall be fabricated structure in 5 mm thick rod with powder coat finish. Storage under seat shall be Fabricated structure in 16 mm dia x 2 mm thick tube with 5 mm dia rod with powder coat finish. Understructure shall be made from 25.4 mm x 2 mm thick tube with powder coat finish. Cap in Nylon - 6 S 13PT grade to be mounted on the open end at bottom side of the structure & at the other end cap in LDPE shall be mounted . Stud in Nylon -6 S13 PT grade shall be mounted on the bottom side of the structure. For seat mounting 50.8 mm x 25.4 mm x 2 mm thick tube fabricated with 16 mm dia x 2 mm thick tube with powder coating. At the open end of 16 dia tube internal ferrule in LDPE shall be mounted. The seat shell shall be plastic moulded in PP on the understructure. Seat shell be having M6 nut insert on the bottom side for mounting.</p> <p><i>(Note: The University may require Multi-Coloured Desks)</i></p>		
30.	Class Room Desks- D	<p>Desk Single Seater size shall be 600 Width measured from desktop mm x 1050 mm Depth measured overall x 725 Height mm from ground level to Desk front. Top shall be 12 mm thick (+/- 1mm) base material -</p>		

		<p>10.4 mm bent ply plus 0.8 mm thick decorative laminate on top and 0.8 mm thick backing laminate on bottom surface plus edge finish of melamine matching with decorative laminate. There shall also be M6 Plastic inserts provided for mounting the desk to the understructure. Storage under desk shall be fabricated structure in 5 mm thick rod with powder coat finish. Storage under seat shall be Fabricated structure in 16 mm dia x 2 mm thick tube with 5 mm dia rod duly powder coat finish . Understructure shall be made from dia 25.4 mm x 2 mm thick tube with powder coat finish. Cap in Nylon - 6 S13PT grade to be mounted on the open ends at bottom side of the structure & at the other end cap in LDPE shall be mounted . Stud in Nylon -6 S13 PT grade shall be mounted on the bottom side of the structure. For seat mounting 50.8 mm x 25.4 mm x 2 mm thick tube fabricated with 16 mm dia x 2 mm thick tube with powder coating. At the open end of 16 dia tube internal ferrule in LDPE shall be mounted. The seat shell shall be plastic moulded in PP mounted on the understructure. Seat shell be having M6 nut insert on the bottom side for mounting.</p> <p><i>(Note: The University may require Multi-Coloured Desks)</i></p>		
31.	Class Room Chairs	<p>The size of the seat shall be 49.0 cm (W) x 44.0 cm (D) . Overall dimensions shall be 54.0 cm width, 81.0 cm depth, 80.5 cm height and seat height 44.0 cm. The seat and back shall be made up of 1.0 +/- 0.1 cm. Thick hot pressed plywood upholstered with fabric and moulded polyurethane foam with PVC lipping all around. The back foam shall be designed with contoured lumbar support for extra comfort. The HR polyurethane foam should be moulded with density = 45 kg per meter cube and hardness load 16 kgf . The tubular frame should be cantilever type and made of 2.54 +/-0.03 cm x 0.2 +/- 0.016 cm. The wooden desklet shall be made of 1.8 +/- 0.05 cm thick pre - laminated particleboard with .15 +/- 0.03 cm thick PVC Lipping all around. The one piece armrests shall be made of black integral skin polyurethane foam with 50-70 shore hardness and reinforced with M.S. insert. The npaper tray shall be made of 0.4 +/- 0.005 cm M.S. wire spot welded to form a mesh. It shall be black powder coated.</p>		

32.	File Cabinets (Four drawer)	Size of 4 Drawer VFC shall be 1320mm(H) x 470mm(W) X 620mm(D). All the components shall be made of CRCA . It should have 1 Point Locking Mechanism and a Rigid Knock Down Construction. The Top, Side & Drawer Front thickness should be 0.7mm. The Frames, Drawer-inside cover and Side Back Side thickness should be 0.6mm. The Back, Bottom and Drawer thickness should be 0.5mm. Easy to grip Full length Recess Handle shall be integrated into Metal Drawer for easy pull out convenience. There shall be a Snap on type plastic label holder on Drawer Fronts. In addition, 28 -Ezeeø / -Visaø files (Foolscap) from front to back of thickness' 20mm per drawer capacity should be available. The Centralized locking System shall be provided along with Shooting Bolt Mechanism and 10 Lever Cam Lock. The VFC should have anti-tipping arrangement which ensures that when one drawer is opened for use, it does not allow other drawers to be opened. The High Quality Precision Ball Slide shall be provided with Drawer Load capacity of max 40 kg and UDL for 75,000 cycles (BS). Plain Triangular plate pop should be riveted at the bottom corners for rigidity. Optional Accessories like Drawer Partition and Cradle for hanging A4 file folders front to back should also be available. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). The design of this filing cabinet must be knock down type that is it shall be supplied safely in the corrugated boxes & then assembled at required site / Location..		
33.	Steel Almirah (five shelved)	Height: 1950mm, Width: 825mm, Depth: 475 mm, welded type construction with a back panel of 0.8mm thickness, 0.9mm thickness for other components & 0.8 mm thickness for shelf. Shelves should be 5 in number. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.		
34.	Steel Almirah (four shelved)	Height: 1950mm, Width: 825mm, Depth: 475 mm, welded type construction with a back panel of 0.8mm thickness, 0.9mm thickness for other components & 0.8 mm thickness for shelf. Shelves should be 4 in number. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.		
35.	Steel Almirah	Height: 1300mm, Width: 750mm, Depth:		

	(three shelved)	425 mm, welded type construction with a back panel of 0.8mm thickness, 0.9mm thickness for other components & 0.8 mm thickness for shelf. Shelves should be 3 in number. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.		
36.	Steel wardrobe for Hostel	Shall have Double door steel wardrobe of Size: 800mm(W) x 485mm(D) x 1975mm(H). Welded construction, 0.7mm CRCA for shelf, 0.8mm Dent Resistant steel for back & doors, 0.9mm CRCA for all other components. Mazak handle, three way locking mechanism with shooting bolt. 2 Nos. of fix full shelf with center partition, 1.0mm ERW tube for hanging rod(2 nos.). M10 screw type leveler with hex plastic base Epoxy Powder coated to the thickness of 50 microns (+-10).		
37.	Steel Racks of 6 shelves	Height: 1950mm. The thickness of angles should be 1.6mm & should be of rolled formed construction, free from twist, sharp edges & burrs. The angle should be 40 x 40 mm with thickness of 1.8mm. Angles should have holes provided at a pitch of 19.05mm & should start at 19mm centers from each end. Shelves should be 6 in number & should be bend type made from mild steel sheets not less than 1.00mm thickness. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.		
38.	Steel Racks of 8 shelves	Height: 2400mm. The thickness of angles should be 1.6mm & should be of rolled formed construction, free from twist, sharp edges & burrs. The angle should be 40 x 40 mm with thickness of 1.8mm. Angles should have holes provided at a pitch of 19.05mm & should start at 19mm centers from each end. Shelves should be 8 in number & should be bend type made from mild steel sheets not less than 1.00mm thickness. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.		
39.	Steel Book Cases	Height: 1742mm, Width: 914mm, Depth: 320mm. Panels & Frame should be made of 0.8mm thick Prime quality virgin CRCA steel. 4-doors knock down type construction. Each door should have 6 lever cam lock with common key. Each door should have 3.5mm thick transparent glass for clear inside vision secured in metal frame. Each door should have a scissor mechanism for		

		receding inside the top of respective compartment & ensures parallel & smooth movement. Each door should have plastic side end caps & handle should be easy to grip. Load bearing of shelves should be 80kg. top panel should be made of 0.8mm thick metal sheet. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.		
40.	Steel Pigeon Holes	Size: 1950 x 825 x 450mm Made of 0.7 & 0.8mm thick CRC sheets, 8 holes with superior quality lock. All metal surfaces/parts shall be given antirust treatment & shall be powder coated with epoxy polyester powder.		
41.	Sofa Set (1 Seater)	The length shall be 920 mm. Height shall be 760 mm, Width shall be 870 mm. Seating area length shall be 515 mm. Arm height shall be 480 mm arm width shall be 200 mm and Length between legs shall be 750 mm .The thread used shall be shall be poly proplin and type of thread shall be of nylon , polyester. The pitch of thread shall be 6 .The thickness shall be 0.9 mm PVC . The frame material shall have thickness of the plywood used shall be 18 mm and 12 mm and IS 303 Commercial plywood shall be used. The seat foam shall be 62, 22 and 10 mm thick and type of foam shall be virgin with density of 32d-28d. The back foam shall be 45 mm thick and type of foam shall be of virgin with density of 26-32 d. The Armrest foam shall be 45 mm thick and type of foam shall be of virgin with density of 26 d. The belt used shall be of width 68-48 mm with total length used shall be 68 mm - 2500 mm and 48 mm - 2000 mm. The leg material shall contain Woodscrew provided on frame in addition to M-8 / T-Nut also material of leg shall be plastic. Bush for Leg bottom shall be PVC Bush.		
42.	Sofa Set (2 Seater)	The length shall be 1340 mm Height shall be 760 mm Width shall be 870 mm Seating area length shall be 940 mm Arm height shall be 480 mm arm width shall be 200 mm and Length between legs shall be 1080 mm .The thread used shall be shall be poly proplin and type of thread shall be of nylon , polyester. The pitch of thread shall be 6 .The thickness shall be 0.9 mm PVC . The frame material shall have thickness of the plywood used shall be 18 mm and 12 mm and IS 303 Commercial plywood shall be		

		used . The seat foam shall be 62, 22 and 10 mm thick and type of foam shall be virgin with density of 32d-28d . The back foam shall be 45 mm thick and type of foam shall be of virgin with density of 26-32 d. The Armrest foam shall be 45 mm thick and type of foam shall be of virgin with density of 26 d. The belt used shall be of width 68-48 mm with total length used shall be 68 mm - 3300 mm and 48 mm -2500 mm. The leg material shall contain Woodscrew provided on frame in addition to M-8 / T-Nut also material of leg shall be plastic. Bush for Leg bottom shall be PVC Bush.		
43.	Sofa Set (3 Seater)	The length shall be 1750 mm Height shall be 760 mm Width shall be 870 mm Seating area length shall be 1340 mm Arm height shall be 480 mm arm width shall be 200 mm and Length between legs shall be 1580 mm The thread used shall be shall be poly proplin and type of thread shall be of nylon , polyester. The pitch of thread shall be 6 .The thickness shall be 0.9 mm PVC . The frame material shall have thickness of the plywood used shall be 18 mm and 12 mm and IS 303 Commercial plywood shall be used . The seat foam shall be 62, 22 and 10 mm thick and type of foam shall be virgin with density of 32d-28d . The back foam shall be 45 mm thick and type of foam shall be of virgin with density of 26-32 d. The Armrest foam shall be 45 mm thick and type of foam shall be of virgin with density of 26 d. The belt used shall be of width 68-48 mm with total length used shall be 68 mm - 4500 mm and 48 mm -3500 mm. The leg material shall contain Woodscrew provided on frame in addition to M-8 / T-Nut also material of leg shall be plastic. Bush for Leg bottom shall be PVC Bush.		
44.	Public Seating	Public Seating Benches shall be 3 seater with 2 arms on extreme ends without seat cushion. Overall Dimensions: Seat Height - 41.0cm, Height - 78.5cm. Width & Depth of Chair: Width-180.0cm and Depth-62.5 cm. Cross beam shall be made up of black powder coated rectangular M.S.E.R.W. tube having 8 ± 0.03 cm x 4 ± 0.03 cm x 0.2 ± 0.016 cm size. Leg shall be chrome plated made of cold rolled steel with 0.12 ± 0.013 cm thickness. It shall be 1.6 mm thk powder-coated perforated shell made from cold rolled M.S. sheet 0.16 ± 0.013 cm		

		thickness. The Side Bar shall be made of Chrome plated solid steel 3 ± 0.03 cm x 1.2 ± 0.3 cm (DIN174) with fluting and plastic inserts. The Shell shall be assembled on the Cross Beam with help of M8 Bolts (Per Seat- 8 nos. Seat to Bracket and 4nos. Bracket to Cross Beam).		
45.	Podium/ Lecture Stand	Size: 48" x 24" x 18" Wooden shall be made of hardwood/brunwood having drawer, sprit polished. BSL particle board top.		
46.	Hostel cots	The Overall size shall be Width 2056 mm x Depth 800mm x Height 650mm x Bed Stead Height 400mm. The bed Frame assembly shall be welded of side frame , Inner slat . The side frame shall be made of rectangular pipe 50.8 x 25.4 x 1.2 mm thk. MS. The assembly of inner slats of Sq. TUBE 19 X 1.0 mm MS ERW TUBE IS: 7138. The head Board and Tail Board Shall be Made up of SQ. Pipe 38.1 X 1.2 mm & SQ. 25.4 x 1.0 mm thk. MS ERW Tube IS : 7138 and Support Bracket 3.2 mm thk. MS Sheet IS : 513 Head/Tail Board Connected with bed frame with M8 bolt. The finish shall be epoxy polyester coated and cladding shall be 12 mm thk. Plywood.		
47.	Dictionary Stand	Shall have Top 16" x 24". One shelf shall make two compartments . Should be made of best quality material duly polished. Size: L-22" x D-15" x F.H-40" & B.H-43"		
48.	Periodical Display cum Storage Rack 25 compartments.	Each compartment should be of 10.5" x 13.5" fitted with slanting plank of roll in type for display of magazine, having storage space for the old issues at the back of each display plank. Also should have wooden handle-cum-Label holder. Sides of Rack and front of each plank should have laminate made of best quality material complete with fittings duly polished. 57"x16"x78"		
49.	Step Stool Size compartments. 17" x 17" x 17"	Shall have two steps approx. 9"x17" including top. Shall be made of best quality material duly polished.		
50.	Book Trolley Steel	Shall have Three straight shelves. Should be made of best quality material duly polished. Size 40"H x 33"L x 15"D		
51.	Book Supports Big size: 7" x 7"	Should be made up of Heavy 16 gauge CRC Steel Sheet.		
52.	Book Supports Regular size: 4" x 5"	Should be made up of Heavy 16 gauge CRC Steel Sheet.		
53.	Library Counter, Semi Circle cum	9 ϕ L x 5 ϕ D x 42" H. Shall be provided with charging tray drawers, cupboards, regular		

	Conical Shape.	use drawers, shall have provision for computer Monitor, Keyboards & UPS. Should be Fitted with table manager (for wires) on the top of the counter.		
54.	Revolving General book stand (Steel)	Shall have 20 pockets i.e. five on each side (in different sizes). Should be made of wire with tyres fixed on the base.		
55.	4 sided perforated stand	Standard one.		
56.	Newspaper Display stands.	With 8 wooden sticks open/closed cupboard at base. Shall be made of best quality material duly polished.		
57.	Newspaper display stand	Shall be Vertical sloped type. For display of 10 Newspapers with chrome plated stand. Size: 66öH x 30öW x 30öD		
58.	Study Table.	Double Sided with sloped top. Should be made of best quality material duly polished. Size: 0.08' L x 3' W x 4.5' H		
59.	Scholar cubicle for single reader	Shall be made of best quality material duly polished. Size: 48" H x 32" W x 32" L		
60.	Revolving Magazine Racks	Shall have 16 pockets i.e. four on each side (in different sizes). Shall be made of wire with tyres fixed on the base.		
61.	Library Book Racks	<p>Dimensional Configuration: Height ö 2285 mm Width of Basic Section with sides shall be ö 985 mm Width of Add on section shall be ö 885mm Depth of Single Face Stacks ö 350mm Depth of Double faced Stacks ö 550 mm Shelves shall be of sizes 880 mm (W) x 230 mm (D) x 1 mm (T) Side Ends in MS. Book Stacks should be Robust steel column fabricated with precision and designed to take care of stresses and deformations induced due to forces while stacking the Books on the unit. The column of the unit should have vertical slots at 28.6mm pitch which gives flexibility to hook the shelf bracket for fixing the shelves at varying heights. Horizontal channel assembly shall have stanchion & shoe unit, which forms the rigid super structure to fix the shelf (Loading panel). Super structure of the Book stack should be of bolted construction comprising of Stanchion unit with shoe & Horizontal channel. Bolting of all structural members should be done using fasteners of grade 8.8. All fasteners should come with galvanized finish.</p>		

		<p>Assembly: All Assembly of Stanchion unit with Base shoe and Horizontal channel should be done by bolting. Shelves should be of hooking type, hooked with shelf brackets and fixed to stanchion slot, by simple hooking. End wooden claddings shall be bolted with end stanchion units.</p> <p>Surface Finish: All steel components unless otherwise specified shall be powder coated for obtaining a smooth, scratch resistant and lasting attractive finish. The Dry Film Thickness (DFT) after powder coating should be average 30 microns. All components should be subjected to an elaborate anti corrosion treatment.</p>		
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Declaration:

It is certified that the information furnished above is correct. We have gone through the terms and conditions stipulated in the Tender Document and confirm to abide by the same. The signatory to this bid is authorized to sign such bids on behalf of the organization.

Place: í í í í í í í í ..

Signature: í í í í í í í í í

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