



**CHHATTISGARH SWAMI
VIVEKANAND TECHNICAL
UNIVERSITY, BHILAI**

North Park Avenue, Sector-8, Bhilai (C.G.) - 490009
Ph. No. : 0788-2261311, Fax No. : 0788-2261411, Website:
www.csvtu.ac.in,
E-mail : registrar@csvtu.ac.in

Tender form for Supply of Furniture

Issued To

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Tender form price Rs. 1000/-

CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

Tender Notification for Supply of Furniture

Tender No.: 51 /CSVТУ/Admin/2016, Date 16.3.16

Sealed tenders are invited in two covers (Technical bid and commercial bid) from reputed manufactures for **Supply of Furniture**. The term & conditions are available on website www.csvtu.ac.in Interested parties may download the tender form (along with terms & conditions) from the website or collect the same from office of the CSVТУ, Bhilai by paying Rs. 1000.00 each. The application fee shall be accompanied with downloaded form in the form of Demand Draft drawn in favour of Registrar, CSVТУ, Bhilai. The demand Draft shall be prepared from a nationalized bank & shall be payable at Bhilai.

Date for sale of tender document	21.03.2016	time 12.00 PM on wards
Last date for Sale of Tender Document	21.04.2016	time 5:00 PM
Pre bid meeting	13.04.2016	time 4:00 PM
Last date for Submission of Sealed Tender	23.04.2016	time 2:00 PM
Date of opening the received Tender	23.04.2016	time 3.00 PM

Registrar
CSVТУ, Bhilai

NOTICE INVITING TENDER

Chhattisgarh Swami Vivekanand Technical University, Bhilai (here in after referred to as THE UNIVERSITY) conducts examinations in the Chhattisgarh State in the affiliated institutions.

Sealed Tenders are invited from reputed manufacturer fulfilling the eligibility criteria of the University given in this tender notification for supply and installation of furniture at newly constructed University Administrative Building at Newai as detailed in the enclosed schedule. The requirement given is only tentative and may increase or decrease.

Eligibility Criteria:

1. Should be reputed manufacturer of furniture items who are in the business of manufacturing / selling furniture items for more than 5 years with an annual turnover of more than six crores in furniture items during the last three financial years (2012-13, 2013-14, 2014-15). Document regarding this should be submitted duly attested by CA.
2. Successful completion of one work of similar nature (ie supply of furniture items) of not less than 80 lacs or two works of similar nature not less than 50 lacs or 3 works similar nature not less than 40 lacs each during the last three years for Central /State Govt department or Educational Institution or private institutions. Copies of the supply order and satisfactory work completion certificate should be enclosed.
3. The manufacturer should have a standard price list of it's product and should enclose a copy of the said list.
4. Technical bid must be accompanied by the manufacturer's catalogues in original in respect of the product offered.
5. The tenderer must have valid PAN/TIN No. and VAT No. and must submit self attested copies of these documents with bid.
6. Latest clearance for income tax, VAT,CST should be produced.
7. The tenderer must give a warranty of at least 24 months from the date of supply for the product supplied and should be able to rectify / attend the complaints within two days of receipt of complaints excluding holidays during warranty period.
8. The manufacturer should have ISO 9001-2008 certificate.

9. The manufacturer should be a member of Business and Institutional Furniture Manufacturers Association (BIFMA).
10. The earnest money of amount Rs 3.00 Lacs ,in the form of bank draft Payable at Bhilai drawn in favour of Registrar,CSVTU Bhilai should be enclosed with technical bid.
11. The manufacturer should have a dealer base in Bhilai or in a city near to Bhilai within 50 km for the past five years with required manpower for effective after sales service.
12. The price bids should be submitted in a separate envelope superscripting price bid. On the basis of technical/eligibility bid, submitted by tenderers prequalification will be made in the light of eligibility criteria .The price bids of only such pre-qualified tenderer alone will be opened.

General Terms and Conditions:

1. Tenders should be submitted in two parts in separate sealed covers indicating:
 - Part I: EMD, Technical bid and
 - Part II: Commercial bid.
 All the parts should be kept in the main sealed cover.
2. Main sealed cover should be superscripted with the Tender document No and “ Tender for Supply of Furniture” and should be submitted to Registrar Chhattisgarh Swami Vivekanand Technical University, Bhilai through Registered post or by hand. Tender must reach on or before the last date . Each page of the tender must be signed by the tenderer.
3. The University will not be responsible for any postal delay, non-receipt of tender in due date and time for whatsoever the reason.
4. The tender should submit the details of PAN/TAN No.
5. The successful bidder will execute an agreement on a stamp paper within 7 days after acceptance of the offer.
6. No advance payment will be made. Only after delivery and fixing of furniture satisfactorily, bills (in triplicate) may be submitted for payment.
7. Successful bidder shall carry out the instructions given from time to time by the University and shall adhere to the time schedule.
8. If any of the services/delivers cannot be made in accordance with the instruction and time schedule prescribed from time to time. The University has sole right to cancel the contract and to forfeit the earnest money deposited. Also suitable legal action shall be taken against the firm as well as may be black listed. The cost involved in getting the work done else where will be charged from the firm and/or penalties may be imposed on the firm as decided by the Registrar/Vice Chancellor of the University.
9. If any dispute arises between the tenderer & the University on any matter concerning, the tender the Vice-Chancellor of University will be the sole Arbitrator & his decision shall be

final & binding on both the parties. For any dispute in the matter of execution of the contract it will fall under the jurisdiction of the judicial courts of Durg District of Chhattisgarh.

10. Tenders would be opened in the University office and the bidders or their authorized representatives may be present at the time of opening of the tenders. The number of authorized representatives that may be present for any bidder is limited to maximum of two.
11. Terms and conditions not defined herein would have the same meaning as are assigned to them in the Indian Contract Act or in the Indian General Clauses Act or in the Chhattisgarh General Clauses Act and would, otherwise, have the meaning the word or expression ordinarily has with due regard to the subject and the context.
12. The University reserves the rights to reject any or all tender without assigning any reason the University has right to select any tender as per the recommendation of Purchase Committee.
13. Copies of document defining the constitutional or legal status, place of registration, and principle place of business, written power of attorney of the signatory of the tenderer must be enclosed along with tender.
14. The first cover should include Earnest Money Deposit. The Earnest Money Deposit should be offered in the form of DD of 90 days duration drawn in favour of Registrar, Chhattisgarh Swami Vivekanand Technical University, Bhilai. The Earnest money deposit would be forfeited in the event of being discovered that the tender or any of the documents submitted with it are falsified, forged or intended to deceive this office. The Earnest Money Deposit would also be forfeited in the event of the bidder being awarded the work and failing to execute the agreement for the work awarded. No interest shall be payable on the Earnest Money Deposit. Tenders without Earnest Money Deposit would be ineligible to compete for award of the tendered work.
15. The EMD of 3.00 lacs deposited along with the tender shall be treated as the security deposit of the successful tenderer and would be returned on demand to the rest of the tenderer.
16. No representation of change of rate once accepted will be considered during the contract.
17. The above tender shall be valid for six months from the date of opening the bid.
18. Rates should include all transportation, handling, management, testing and commissioning etc.
19. Rates should include all Taxes, Duties, Octroi, Levies, Wages as per Act etc. No escalation of rates will be allowed on any account.
20. Income Tax, Work Contract Tax and other taxes, as applicable, will be deducted from total payment due to the tenderer.
21. Maximum two months will be allowed for the delivery and fixing of furniture items.

22. The tenderer shall be liable to supply the quantity of items shown at Annexure "C" with a deviation of (+) or (-) 10% on approved rates for a period of one year.
23. Payment will be made to the firms after supply and satisfactory certification of the entire consignment which shall be made by authorized committee..
24. Overwriting should be avoided. Overwriting, erasures and other changes should bear the dated initials of the person signing the tender.
25. No tenderer will be allowed to withdraw his Tender during the validity period.
26. This tender form is non-transferable and must be submitted by the purchaser on the prescribed form sold as a part of the Tender Document.
27. The Supplier shall not directly or indirectly transfer, assign or sublet the order or any part of it. Consortium bids will not be accepted.
28. The requirement of office furniture is in respect of University Administrative Building at Newai, Bhilai and these should be delivered at site only. The rates to be quoted only for conforming to technical specifications, inclusive of all charges and Taxes.
30. **Penalty:** Timely supply and installation of the ordered items in good condition is the essence of the contract. In case of failure to supply within the time specified in the purchase order, a penalty /liquidated damages of 0.5 % of the total value per week or part thereof shall be levied subject to a maximum of 7.5 % in respect of items which are not supplied. The decision of the University in this respect will be final in this regard.
33. Additional terms and conditions will be incorporated in the purchase orders, if needed, to safeguard the interest of the University.
34. The quantity required may vary i.e. it may be increased or reduced.
35. From the time the bids are opened to the time the contract is awarded, if any firm wishes to contact the University on any matter related to the tender, it shall do so in writing at the address indicated in the Tender document. Any effort by the firm to influence the University personnel in the process of evaluation or comparison may result in the rejection of the firm's proposal.

Evaluation Methodology

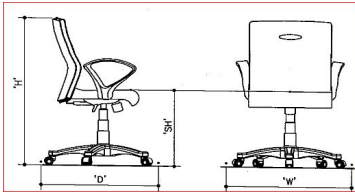
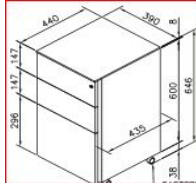

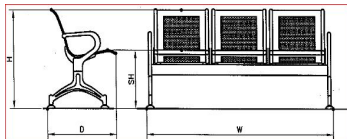
Envelope 'I' shall be opened first and each tender shall be scrutinized on the pre-defined eligibility conditions and technical parameters of the furniture. Bidders may also disclose the benefits of their design. This will be an important factor to judge Technical soundness of the bidders.

Envelope 'II' which shall contain the commercial bid, shall be opened only if the bidder is qualified on the basis of the technical parameters.

1. The commercial bids of those Tenders who do not qualify on the basis of eligibility conditions and technical parameters shall not be opened and summarily rejected.
2. The University reserves the right to reject any or all proposals and to waive infirmities and minor irregularities in proposal received if deemed in the best interest of the University to do so.
3. The University reserves the right to select any bidder for this project irrespective of the cost and is not liable to choose the lowest bidder. The final selection will be made on the acceptance of the sample/model approved by the University and not on the basis of L1 rates only. Quality and suitability of the product/item will be judged by the authorized committee according to specifications provided.

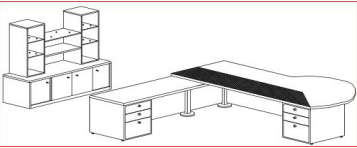
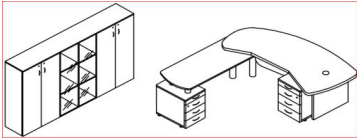

Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
1	Chair Mid Back	65	SEAT/BACK: The seat and back shall be made up of 1.2 cm thick hot pressed plywood, upholstered with changeable fabric upholstery covers and moulded Polyurethane foam, together with moulded back-spine cover. The back foam shall be designed with contoured lumbar support for extra comfort having back size of 47.5 cm.(W) x 58.0 cm.(H) & seat size 47.0 cm.(W) x 48.0 cm.(D). The Foam used in chair shall be Polyurethane foam which shall be moulded with density = 45 +/- 2 kg/m3 and Hardness = 20 +/- 2kg on Hampden machine at 25% compression. ARMRESTS (FIXED): The one-piece armrests are injected moulded from Black co-polymer polypropylene. The armrests shall be scratch and weather resistant. The armrests shall be fitted to the seat with armrest brackets made of 0.5cm. thk. HR steel. PERMANENT CONTACT MECHANISM: The permanent contact mechanism shall be designed with the following features: 360° revolving type, Upright position locking , Seat/back tilting ratio of 1:3 & Tilt tension adjustment. PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment shall have an adjustment stroke of 12.0 cm. TELESCOPIC BELLOW ASSEMBLY: The bellow shall be 3-piece telescopic type and it is injection moulded in black Polypropylene. PEDESTAL ASSEMBLY: The pedestal is injected moulded in black 33% glass filled Nylon -66 and fitted with 5 twin wheel castors. The pedestal shall be 66.3cm. pitch-centre dia. (76.3 cm with castors). TWIN WHEEL CASTORS: The twin wheel castors are injection moulded in 30% glass filled black Nylon. Overall dimensions of Chair shall be Width- 76.3 cm, Depth- 76.3cm, Height- 85.5cm- 97.5cm, Seat Height- 42.5cm-54.5cm.	
2	Mobile Pedestal	25	3 Drawer Pedestal It should have multi bend construction with welded body and “Over Closing” style. Body shell, Drawer front and trays, Front side stiffener to be made from 0.6 mm thick MS CRCA Grade D. Top and bottom stiffeners to be made from 1.2 mm thick CRCA sheet. Rear side stiffener to be made from 0.8 mm CRCA sheet. It should have 10 lever cam lock. All the drawers should be mounted on double extension precision ball slides. Metal front with easy to grip full-length handle. It should have anti tilt mechanism and anti rebound mechanism. All steel components should undergo eight tank anti rust treatment and oven baked epoxy polyester powder coated with 50-60 dry film thickness. The CRCA steel sheet used should be as per IS-513 1994. Scratch hardness of 3 Kgs. Overall size: 390 mm (W) x 440mm (D) x 646 mm (H)	 
3	SS Chair (Chrome Plated)	12	Waiting lounge chrome plated chairs 3 seater with 2 Arms & without cushion. Cross Beam made up of black powder coated rectangular MSERW tube of size 8.0+/-0.03cm X 4.0+/-0.03cm X 0.2 +/-0.014cm. Leg & Arm rest is chrome plated made of cold rolled steelwith 0.12+/-0.013cm thk. Seat and Back is of powder coated perforated shell made from cole rolled MS sheet (DIN 1623 Part1 ST-12 grade)0.14+/-0.013cm Thk. The side bar is made of chrome plated sold steel 3.0+/- 0.03cm X 1.2+/- 0.3 cm with fluting and plastic inserts.. The shell is assembled on the cross beam with of M8 bolts (Per seat 8 nos seat to bracket and 4 nos bracket to cross beam).Overall dimension should be : Width- 163.0 cm. Depth- 57.0. Height- 67.5cm. Seat Height- 40.0m.	

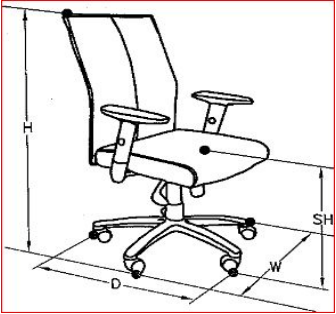
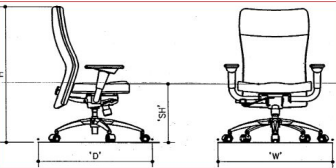
Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
4	Executive Suite	1	<p>This premium suite is made with veneer and stain resistant polyester finish. The table comprises of a main desk with a conferencing facility, an extended return unit and a back unit which can also double up as a show case. Main Desk Size:2400mm Width x 1104 mm Depth X 735mm Height Side Return Unit size:1400mm Width X 580mm Depth X 690mm Height Back Unit Size: 1860 mm Width X 580mm Depth X 670mm Height Tower Unit Size : 400 mm Width X 400mm Depth X 1200mm Height (1700mm W Overall) The main unit and Extended Return Unit work surface is made up of 40mm thick . (18mm MDF + 18mm MDF batons + 4mm Natural Veneer) Veneered portion of work surface is finished with high gloss polyester. The legs are made up of 1.6mm thick MS clad with strips of MDF. Modesty & Side Panel is made of 18mm thick MDF, pigmented black and coated with melamine. Hollow construction of legs facilitates wire management. Storage Unit Body constructed from 18mm thick MDF boards has combination of Drawer Unit. Drawers are mounted on double extension Ball Slides. Drawer fronts are of Natural Veneer coated with High gloss Polyester and made of 23mm (18mm MDF+4mm Natural Veneer+1mm DL) and drawer body made of 14mm MDF (12mm MDF+1mm DL +1mm DL). The Back Unit doors are made of 23mm thick (18mm thick MDF Batons + 4mm Veneer + 1mm Backing Decorated Laminate (BDL). The Shelves and partitionare of 18mm thick MDF, pigmented Black and coated with melamine. Colors Available : Pamello Veneer. The tower unit Galass should be of 12mm thick Float glass, edges diamond cut polished.</p>	
5	Executive Desk	2	<p>Executive Suite Table having Table Top Work surface shall be made up of 2 layers of 18 mm thick MFC with 3 mm PVC edging. Edging of 2 colour tone. Understructure side panel legs shall be MFC covered with 45 mm MDF profile at vertical edges. Connected to the top panel by minifix & wooden dowels. Adjustable Stud. Also 2 nos. of 75 diameter epoxy black painted metal leg to enable ERU top panel to slot into it. Adjustable base of levelling available. Having Modesty panel made up of 18 mm thick MFC with curved shape. Connected to Top & Side panels with minifix fitting & Wooden dowels. Mobile Pedestal shall be having 2 Drawers (1 personal drawer + 1 filing drawer with central lock).Top drawer is pencil tray 280 x 280 mm. Carcass 18 mm thick MFC and 25 mm thick top panel with 2 mm PVC edging. Black Metallic handles 128 mm distance. 450 mm L runner. Castor of 50 mm diameter x 4 Nos. Extended Return Unit shall have Top made up of 18 mm thick MFC with 3 mm PVC edging. Edging of 2 colour tone. Storage pedestal in ERU shall be made up of 4 Drawers with central lock.Top drawer is pencil tray 280 x 280 mm. Carcass 18 mm thick MFC and 25 mm thick top panel. Black Metallic handles 128 mm distance. 450 mm L runner. 55 diameter x 25 mm H Plastic adjustable glide. Connected to Top with metallic support tube of size 60 mm H x 75 diameter. Back Cabinate Top panel of 25 mm thick MFC with 2 mm PVC edging. Body Carcass of 18 mm thick MFC with PVC edging & Back panel 8 mm thick. 55 mm diameter x 25 mm H adjustable plastic glide. Door with locks. Black metallic handles 96 mm distance. 1 fixed shelf connected to side panels with minifix fittings & 1 adjustable shelf. Entire carcass connected with minifix fittings & wooden dowels. Fixing of Top panel with side panels is with screws. Back panel is placed in the slut / groove provided on Top , bottom & side panels. Glass Doors of 5 mm thick polished edges glass. Fixing using overlay glass hinges & a black metalic knob. Wooden Doors are of 18 mm thick MFC with 2 mm PVC edging. Black metallic handles 128 mm. Square lock provided. Fixing using full overlay hinges.</p>	
6	VIP Chairs Upholstery Hi Back Chair	1	<p>Executive High Back Chair having SEAT/BACK ASSEMBLY: The seat shall be made up of 1.2cm. thick hot-pressed plywood, upholstered with pure leather (Black) at body contact areas and polyurethane foam. The back is made up of Dia 10mm M.S tubular frame, upholstered with pure leather (Black) at body contact areas. POLYURETHANE FOAM: The polyurethane foam for the seat shall be of density = 32 ±2 kg/cu.m and for the back is of density = 24 ±2 kg/cu.m. ARMRESTS (ADJUSTABLE): The armrest top shall be soft touch upholstered with pure leather mounted on to an injection moulded height adjustable type armrest. SYNCHRO MECHANISM: The mechanism shall be designed with the following features: § 360 degree revolving type, § Single point control, § Tilt tension adjustment, § 5-position locking with anti-shock feature. CONNECTING SPINE BRACKET: Spine bracket shall be made of M.S. plate connecting the back with mechanism. PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment shall have an adjustment stroke of 8.5+/-0.5 cm. PEDESTAL ASSEMBLY: Pedestal shall be made of High Pressure Die-cast Aluminum fitted with 5 nos. twin wheel nylon castors (castor wheel diameter 5.0 cm). The pedestal shall be of 65.0cm Pitch Center Diameter and with castors the outer dimension is 75.0 cm. Overall dimensions of Chair shall be Width- 75 cm, Depth- 75cm, Height- 117cm- 126.5cm, Seat Height- 44.5cm-54.0cm.</p>	

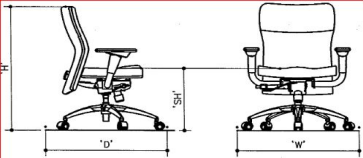
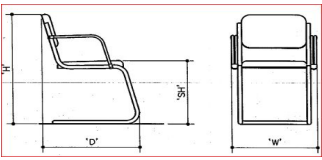
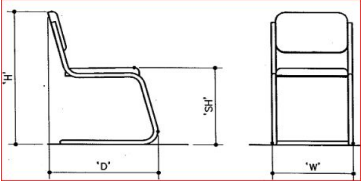
Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
7	VIP Chairs Upholstery Mid Back Chair	2	Executive Mid Back Chair having SEAT/BACK ASSEMBLY: The seat shall be made up of 1.2cm. thick hot-pressed plywood, upholstered with pure leather (Black) at body contact areas and polyurethane foam. The back is made up of Dia 10mm M.S tubular frame, upholstered with pure leather (Black) at body contact areas. POLYURETHANE FOAM: The polyurethane foam for the seat shall be of density = 32 ±2 kg/cu.m and for the back is of density = 24 ±2 kg/cu.m. ARMRESTS (ADJUSTABLE): The armrest top shall be soft touch upholstered with pure leather mounted on to an injection moulded height adjustable type armrest. SYNCHRO MECHANISM: The mechanism shall be designed with the following features: § 360 degree revolving type, § Single point control, § Tilt tension adjustment, § 5-position locking with anti-shock feature. CONNECTING SPINE BRACKET: Spine bracket shall be made of M.S. plate connecting the back with mechanism. PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment shall have an adjustment stroke of 8.5+/-0.5 cm. PEDESTAL ASSEMBLY: Pedestal shall be made of High Pressure Die-cast Aluminum fitted with 5 nos. twin wheel nylon castors (castor wheel diameter 5.0 cm). The pedestal shall be of 65.0cm Pitch Center Diameter and with castors the outer dimension is 75.0 cm. Overall dimensions of Chair shall be Width- 75 cm, Depth- 75cm, Height- 199.0cm- 108.5cm, Seat Height- 44.5cm-54.cm.	
8	VIP Chair, High back Chair	6	Seat/ Back: The seat is made of 1.2 cm thick hot pressed plywood. Upholstered with fabric (as per requirement) and moulded polyurethane foam. The back is made of 1.2 cm thick hot pressed plywood. Upholstered with replaceable Synthetic Leather upholstery covers and moulded polyurethane foam. The back ply and foam is designed with contoured lumber support for comfortable seating posture. a. High Back Size : 48.0 cm W x 76.0 cm H, b. Seat Size : 51.0 cm W x 48. cm D. Polyurethane foam: Moulded with density 45 +/- 2 Kg/m3 and hardness 20 +/- 2 Kg. on Hampden Machine at 25% compression. Adjustable Armrests: The armrest top is made of moulded polyurethane (P.U) and mounted on to a drop lift height adjustable type MS tubular armrest support, chrome plated. The armrest height is adjustable up to 6.5 cms. In 5 steps and also swivel adjustment of 22 degree on both the sides. Knee Tilt Synchro Mechanism with seat depth adjustment mechanism: The mechanism is to be designed with the following features: - Single point control; Front pivot with tilt with feet resting on ground ensuring more comfort; Tilt tension adjustment; 4 position tilt locking with anti-shock back mechanism, which prevents the backrest from impacting the user when the lock is released; Seat back tilting ratio of 1:2 (11 deg. seat tilt, 22 deg. Back tilt); A full 360o swivel mechanism, which allows fluid lateral movement. Adjustable Backrest: The backrest consists of a sliding up and down lift mechanism, which can be adjusted in the range of 7.5 cms. and can be locked in 4 positions for better lumber support. Pneumatic Height Adjustment: The pneumatic height adjustment should be maintenance free and should have adjustment stroke of 10.0 cms and can be operated at 30 kgs extension force. Pedestal Assembly: The pedestal is to be fabricated from CR steel, chrome plated and assembled with injection moulded polypropylene hub cap and 5 Nos. twin wheel castors (castor wheel dia. Of 5.0 cms). The pedestal is 65.0 cms. Pitch centre dia. (75.0 cms. With castors.). Twin wheel castors: They should be injection moulded in black nylon and should have undergone durability, retention, pullout, wheel pull out, breakability tests	






Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
9	Chair Mid Back Chair	13	<p>Seat/ Back: The seat is made of 1.2 cm thick hot pressed plywood. Upholstered with fabric (as per requirement) and moulded polyurethane foam. The back is made of 1.2 cm thick hot pressed plywood. Upholstered with replaceable Synthetic Leather upholstery covers and moulded polyurethane foam. The back ply and foam is designed with contoured lumber support for comfortable seating posture. a. Back Size : 48.0 cm W x 64.5 cm H, b. Seat Size : 51.0 cm W x 48. cm D. Polyurethane foam: Moulded with density 45 +/- 2 Kg/m³ and hardness 20 +/- 2 Kg. on Hampden Machine at 25% compression. Adjustable Armrests: The armrest top is made of moulded polyurethane (P.U) and mounted on to a drop lift height adjustable type MS tubular armrest support, chrome plated. The armrest height is adjustable up to 6.5 cms. In 5 steps and also swivel adjustment of 22 degree on both the sides. Knee Tilt Synchro Mechanism with seat depth adjustment mechanism: The mechanism is to be designed with the following features: - Single point control; Front pivot with tilt with feet resting on ground ensuring more comfort; Tilt tension adjustment; 4 position tilt locking with anti-shock back mechanism, which prevents the backrest from impacting the user when the lock is released; Seat back tilting ratio of 1:2 (11 deg. seat tilt, 22 deg. Back tilt); A full 360° swivel mechanism, which allows fluid lateral movement.</p> <p>Adjustable Backrest: The backrest consists of a sliding up and down lift mechanism, which can be adjusted in the range of 7.5 cms. and can be locked in 4 positions for better lumber support. Pneumatic Height Adjustment: The pneumatic height adjustment should be maintenance free and should have adjustment stroke of 10.0 cms and can be operated at 30 kgs extension force. Pedestal Assembly: The pedestal is to be fabricated from CR steel, chrome plated and assembled with injection moulded polypropylene hub cap and 5 Nos. twin wheel castors (castor wheel dia. Of 5.0 cms). The pedestal is 65.0 cms. Pitch centre dia. (75.0 cms. With castors.). Twin wheel castors: They should be injection moulded in black nylon and should have undergone durability, retention, pullout, wheel pull out, breakability tests</p>	
10	Visitor's Chair With Arm	50	<p>The seat and back are made of 1.0 cm thick hot pressed water resistant commercial plywood. Upholstered with fabric and polyurethane foam of density 45 +/- 2 Kg/m³ and Hardness 16 +/- 2 Kg. On Hamden machine at 25% compression . Back Size : 42.0 cm W x 26.5 cm H, Seat Size 42.0 cm W x 42.0 cm D. Understructure assembly is to be made of cantilever type main frame made of dia 2.54 cm (1") x 0.2cm thick MS ERW tube and are black powder coated. The armrests are made in twin tube form and black powder coated. They are made from dia. 1.6cm. x 16BG M.S. tube. Overall Dimensions: H - 82.5 Cms. x W – 54.0 Cms. X D – 59.5 Cms. Seat Height : 46.0cm.</p>	
11	Visitor's Chair Without Arm	50	<p>The seat and back are made of 1.0 cm thick hot pressed water resistant commercial plywood. Upholstered with fabric and polyurethane foam of density 45 +/- 2 Kg/m³ and Hardness 16 +/- 2 Kg. On Hamden machine at 25% compression . Back Size : 42.0 cm W x 26.5 cm H, Seat Size 42.0 cm W x 42.0 cm D. Understructure assembly is to be made of cantilever type main frame made of dia 2.54 cm (1") x 0.2cm thick MS ERW tube and are black powder coated. The armrests are made in twin tube form and black powder coated. They are made from dia. 1.6cm. x 16BG M.S. tube. Overall Dimensions: H - 82.5 Cms. x W – 54.0 Cms. X D – 59.5 Cms. Seat Height : 46.0cm.</p>	

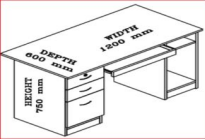
Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
12	Executive Sofa Set Lounge Sofa Set 3+1+1 Seater	2	Sofa Set a combination of 1 no. 3seater and 2 nos of 1 seater. Base frames: are made of MS Pipe, polyurethane Foam of hardness 20 and density 45Kg/ cubic mtr.; 18mm thk partial board and dymetrol streachable fabric Legs are made of rubber wood. Arm Rest: lining cloth cover placed on moulded PU foam of hardness 20 and density 45Kg/ cubic mtr.and rame made of MS Pipe. Recron fibres shold be used of 200 grade- chemical bonded. Backrest: lining cloth cover placed on moulded PU foam of hardness 14 and density 45Kg/ cubic mtr.and rame made of MS Pipe. Recron fibres shold be used of 200 grade- chemical bonded. Seat: lining cloth cover placed on moulded PU foam of hardness 20 and density 45Kg/ cubic mtr.and rame made of MS Pipe. Recron fibres shold be used of 200 grade- chemical bonded. The interchangeable Upholstery shall be of fine letherite in quilted form. All internal metal frames are powder caoted for strength and durability which should be eco friendly and heyigenic. PU Foam gives comfort and cushioning effect. It must be proven for impact test - 57kg impact vertically on seat from 75mm ht. repeatedly more than 1 lakh cycle. Horizontal Test- an impact equals to 334N pressing the backrest for 120000 cycle while a weight of 120 Kg applied in the centre of each sofa. Abusive load drop test by dropping a load of 102 kg from a ht of 152mm ht. Over all Dimension: Seat Ht: 400mm; Seat Depth: 600mm; Width for 1 seater: 920mm; for 3 seater: 2040mm and ht of legs: 120mm.	
13	Sofa Set Lounge Sofa Set 3+1+1 Seater	4	Sofa Set a combination of 1 no. 3seater and 2 nos of 1 seater. Base frames: are made of tropical Solid wood joined by means of hardened steel screws and steel bolts, as well as glue. The seat foam of slab stock foam alongwiith recron sheet and the density of 17kg/ cubic mtr. The back foam is also made of slab stock foam with recron fill and the foam density of 17kg/ cubic mtr. Webbing of S- spring with cross membrane.Over all Dimension: for 1 seater: 920mmW X 860mmD X 800mmH; for 3 seater: 1750mmW X 860mmD X 800mmH.	
14	Recliner Single seater	2	Specifications : Black PVC upholstery; Slab stock foam with density 24 kg/cubic mtr. Reclining operation controlled by remote.The back rest can be adjusted at any angle. Pocket holder for magazines at both sides. Lift up mechanism. Power : 240 volts; Maximum Load : 40 amps; Frequency : 50 herz. The remote of Techno recliner is operated by simply pressing the Upward Direction button continuously by which the back rest moves backwards and footrest moves forward automatically. By pressing Downward Direction button, the backrest moves forward and the footrest moves backwards automatically. When the finger is removed from the buttons, the recliner stays at that position. Thus the recliner can be adjusted at any angle as per the requirement of the customer. The lift up mechanism allows the recliner to be raised individually. This sloping final position facilitates ease of standing and seating. This can be operated by a remote by simply pressing the button. This is helpful to aged people who suffering from neckache, backpain and leg pain. Overall size: 740mmW X 740mmD X 1000mmH X 450mm Seat Height	
15	Center Table Glass Top	8	It should be made of seasoned wood (3” x 3”) with dark Mahagony melamine polish. The glass top to be supported on complete rectangular wooden frame, duly polished in mahagony melamine finish. The glass top must have etching work. One additional shelf below the main top. TABLE TOP MATERIALS & SIZE : (tempered Glass/ 10mm). L X W X T -1000x650x10mm. Medium Density fibre boards are used to make the robust frame structure with laminate for better aesthetic looks. The lamination of either Cherry or walnut. Overall Size: 1000 mm L x 650 mm D x 450 mm H	
16	Corner Table	3	Corner Table consist of under frame made of rubber wood and top is of high quality sheesham. The top of the table is 18 mm thick and have a higher load bearing capacity than glass top. The matching curved leg evokes a premium look which adds to the aesthetics. Load bearing capacity : 30 Kg overall dimensions 600W x 600D x 480H. Top section of the supporting leg should be 80mm X 80mm and lower section should be 40mm X 40m and Support 45x25mm & 8 Pcs Bolt & Nut.	

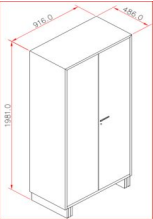
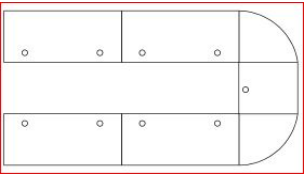
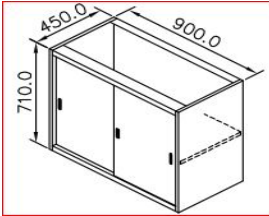
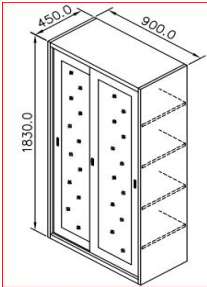
Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
17	Computer Table	40	Top & Understructure: To be made of 18 mm thick high quality Pre-laminated boards with PVC edge banding. Single extension roller slides to be used for keyboard tray. It should have three drawer units oh LHS. On one side place to keep CPU and UPS or books. The size of the open area for CPU should be 30 cm (W) x 60 cm (D) x 70 cm (H). One shelf to keep the books, stationery etc. The shelf should be 30 cm (W) x 30 cm (D). Overall Size: 120.0 cm L x 60.0 cm D x 75.0 cm H	

Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
18	Almirah	25	It should have multi bend construction with interlocking design and full length over lapping doors and sides. It should have three way Shooting bolt locking mechanism. All steel components should undergo eight tank anti rust treatment and oven baked epoxy polyester powder coated with 50-60 dry film thickness. The CRCA steel sheet used for the body should be 0.9 mm thick, as per IS-513 1994. It should have 4 shelves made of 0.8 mm thick CRCA steel sheet. It should have six lever Mazak Zinc Plated Godrej Lock. It should have scratch hardness of 3 Kgs as BS-3900. Overall size: 198.0 cm (H) x 91.5 cm (W) x 48.5 cm (D)	
19	Conference Table	2	Conference Table shall be eco-modular conference table which enables various configurations to suit different conference rooms. It shall be made of particle board legs with twin colored modesty for better looks. Table Top work surface shall have 25mm PLB with PVC beading all over. Legs shall be Made from 18mm thick PLT having curved profile. Modesty shall be made from PLT (Pre-laminated Twin boards 18mm thick in two shades. It shall have Wire Manager running along the width of desk fitted on the modesty Panel from Inside. Single person module shall have size of 675w x 600D x 750 H. Double person module shall have size of 1350w x 600D x 750 H. Semi circular end module shall have dia of 1350mm. Quatra Circular corner module shall have radius of 600mm.	
20	Low Cabinet	3	It should have Rigid Knock-down construction with press fit riveted design, made from 0.8 mm Prime Quality CRCA steel. Two sliding doors should be provided. It should have snap on type aesthetically appealing die cast 5 lever cam lock and plastic flush recessed handles. Full height sliding doors with top hanging arrangement to prevent derailment and 2 plastic rollers having steel ball bearings. The shelves should be height wise adjustable, with UDL capacity of 80 Kgs. for full length and 40 Kgs. for half shelf. The top should be made of 25 mm thick PLB with 2 mm thick PVC edge banding. All steel components should undergo eight tank anti rust treatment and oven baked epoxy polyester powder coated with 50 microns dry film thickness. The CRCA steel sheet used should be 0.6 mm thick as per IS-513 1994. It should have scratch hardness of 3 Kgs as BS-3900 part E2 1970. Overall size for the Sliding Door Unit: 735 cm (H) x 120 cm (W) x 45 cm (D)	
21	Glass Cabinet with Door	1	Glass Sliding Door Storage Unit shall have Rigid Knock down construction made up of Prime Quality CRCA Steel – 0.8 mm Thick. Each door shall be provided with 2 Plastic roller having steel ball bearing for smooth movement of door & less noise. Snap on type aesthetically appealing die cast 5 Lever Cam lock for safe locking. Should have Plastic flush & recessed handle. Shall have Height wise Adjustable Shelf Mounting Uniformly Distributed Load Capacity per each full shelf should be 40 Kg maximum. Should have 4 Nos. of Adjustable Full Shelves. Shall have metal top. Shall have Screw type leveler with hex plastic base (add in unit height min.8 mm & additional 5 mm max for adjustment). Shall have finish of Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10). Overall dimensions of 900mmW x 450mmD x 1830mmH without leveler.	

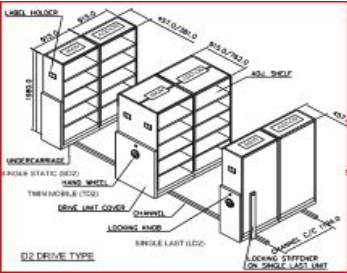
Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
22	Mobile Storage System (1 Bay Push Pull Type)	10	Depth in Each Body) fixed or movable – bolted to Undercarriage which rolls onto the channels, which, are firmly embedded to the ground. Each of above configurations can have following type of blocks – 1. Single Static (SS) 2. Single Last (SL) 3. Twin Mobile(TM) – 2 body back to back. (Note: Unless otherwise specified, all dimensions mentioned hereunder are in mm & represent nominal value)(a) Construction: Rigid Knock Down construction made out of 0.8 thk. CRCA Steel conforming to IS: 513 Gr.D. Each body block (SS/SL/TM) building consists of 1 Main unit & then Add-on units. Each unit has 5 loading levels formed by 4 nos. adjustable shelves. Body units are bolted to undercarriage. Optimizer Height from ground is 2080 mm (1980 body + 65 undercarriage + 35 channel system). (b) Size : 457 Depth (mm) X 915 Width(mm) X 2080 Height (mm) (Body) Note: Height With Undercarriage & Rails (mm):- 1980 (Body) + 65 (Undercarriage) + 35 (Rail) = 2462 mm (for each individual body). Finish: The bodies including shelves are given antirust surface treatment & are powder coated with epoxy polyester powder. It involves an 8 step treatment consisting of Hot water rinse, Knock of degreasing, degreasing, cold water rinse, phosphating, cold water rinse, and passivation & dry off oven treatment. Final finish consists of epoxy polyester powder coating of approved color & shade with a Dry Film Thickness of minimum 40 microns. The testing of paint is done for various physical & chemical properties as per IS: 101. The material is then oven baked with a controlled temperature of 180 deg.C to 200 deg.C. Shelf: Construction: It is made of 0.8 thk CRCA steel conforming to IS: 513 Gr.D or DD. Its max load bearingcapacity is 60- 80 Kg uniformly distributed per shelf for P1 Type of Configuration. The allowable UDL 80Kg for Single Static and Single Last unit where as 60 Kg for Twin Mobile units. Undercarriage: (a) Construction: The Undercarriage is a welded frame made of HR sheet 3.15 mm thk conforming to IS:10748 suitably fabricated to take the loads based on configuration. (b) Size: Sizes of Undercarriage: Single Static / Last – 915 x (no. of bays) (Width) X 457 (Depth) X 65 (Height); Twin Mobile - 915 x (no. of bays) (Width) X 915 (Depth) X 65 (Height); External Load carrying capacity per understructure - PUSH-PULL/ MANUAL TYPE (Configuration – TYPE P1 & P2) - 600 Kg. Maximum. (c) Finish: The undercarriage, after pre-treatment, is coated with final finish consisting of epoxy polyester powder coat of approved color & shade with a Dry Film Thickness of minimum 40 microns. Movements of the System: Push-Pull Configuration (TYPE-P1/TYPE-P2): Movement of units achieved by pushing or pulling Chrome plated ‘C’ handle fitted onto 1.6 mm thk plate (mounted on each double & single movable units) & rigidly fixed at suitable height on body side. Each movable undercarriage has 4 nos. of antifriction ball bearings for rolling onto channels & 4 nos. of antifriction ball bearings for guiding between channels & ‘J’ section. Fittings: (a) Centralized Locking: A Centralized locking arrangement is provided through Locking Stiffener mounted onto back of Single Last unit so that it gets locked on channels when all the units are brought together. The Recess handle lock is of Godrej make & placed at suitable height. This arrangement occupies a space of 90.0 mm. Fasteners: The nuts & bolts are galvanized / blackodized / Zn Plated. Guide Channels: It consists of ‘J’ section 2 mm thk HR sheet & 25 mm Square bright bar – both connected by screws. Prior to the embedding of the guide channels with the help of raul plug & screw, the ground has to be in properly leveled condition. Label Holder: Made from 2 mm thk clear transparent Acrylic sheet & having outer dimension of 155 mm X 106 mm. (f) Aisle Space: Generally, for comfortable movements, the clear aisle space kept on the Handle / Drive Wheel side is around 915mm. Also, the aisle for comfortable accessing of inside of units, when rolled apart is around 915mm. Create the aisle space between the required units by moving them one by one & not together. (g) Weights Dead Weight of the system: (These are Nominal Weights. The Exact Weights may differ slightly. This is Only for Internal Purpose from Loading Point of view) (Total external load & dead weight is spread on 2 channels placed at a distance apart). Body Weight: Single Static/ Single Last: 48Kg (main), 43Kg (Add on); Twin Mobile: 82Kg (Main); 71Kg (addon Body). Undercarriage & other fittings: Single Static – push-pull, 1 bay (U/C+Fittings+Cover) SS1: 915mmW x 457mmD x 65mmH Wt-10Kg. Single Last – push-pull, 1 bay (U/C+Fittings+Cover) SL1: 915mmW x 457mmD x 65mmH Wt-16Kg. Twin Mobile – push-pull, 1 bay (U/C+Fittings+Cover): 915mmW x 915mmD x 65mmH Wt-22Kg. (a) Locking Stiffener : 7 Kg . (b) Channel Pair : 15 Kg per 3 feet.	
	Single static			
	Single last			
	Twin Module			
	Channel- 6'			

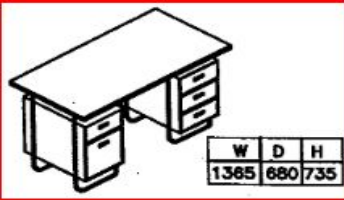
Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
23	Mobile Storage System (2 Bay Drive Type)	10	<p>Optimizer Knock Down Storage System is an efficient space saving storage arrangement catering to a variety of office requirements. It consists of storage units (457mm Depth in Each Body) fixed or movable – bolted to Undercarriage which rolls onto the channels, which, are firmly embedded to the ground. Each of above configurations can have following type of blocks – 1. Single Static (SS) 2. Single Last (SL) 3. Twin Mobile(TM) – 2 body back to back. (Note: Unless otherwise specified, all dimensions mentioned hereunder are in mm & represent nominal value)(a) Construction: Rigid Knock Down construction made out of 0.8 thk. CRCA Steel conforming to IS: 513 Gr.D. Each body block (SS/SL/TM) building consists of 1 Main unit & then Add-on units. Each unit has 5 loading levels formed by 4 nos. adjustable shelves. Body units are bolted to undercarriage. Optimizer Height from ground is 2080 mm (1980 body + 65 undercarriage + 35 channel system). (b) Size : 457 Depth (mm) X 1830 Width(mm) X 2080 Height (mm) (Body) Note: Height With Undercarriage & Rails (mm):- 1980 (Body) + 65 (Undercarriage) + 35 (Rail) = 2462 mm (for each individual body). Finish: The bodies including shelves are given antirust surface treatment & are powder coated with epoxy polyester powder. It involves an 8 step treatment consisting of Hot water rinse, Knock of degreasing, degreasing, cold water rinse, phosphating, cold water rinse, and passivation & dry off oven treatment. Final finish consists of epoxy polyester powder coating of approved color & shade with a Dry Film Thickness of minimum 40 microns. The testing of paint is done for various physical & chemical properties as per IS: 101. The material is then oven baked with a controlled temperature of 180 deg.C to 200 deg.C. Shelf: Construction: It is made of 0.8 thk CRCA steel conforming to IS: 513 Gr.D or DD. Its max load bearingcapacity is 60- 80 Kg uniformly distributed per shelf for D2 Type of Configuration. The allowable UDL 80Kg for Single Static and Single Last unit where as 60 Kg for Twin Mobile units. Undercarriage: (a) Construction: The Undercarriage is a welded frame made of HR sheet 3.15 mm thk conforming to IS:10748 suitably fabricated to take the loads based on configuration. (b) Size: Sizes of Undercarriage: Single Static / Last – 915 x (no. of bays) (Width) X 457 (Depth) X 65 (Height); Twin Mobile - 915 x (no. of bays) (Width) X 915 (Depth) X 65 (Height); External Load carrying capacity per understructure - DRIVE TYPE (Configuration - TYPE D2, D3) - 1200 Kg. Maximum. (c) Finish: The undercarriage, after pre-treatment, is coated with final finish consisting of epoxy polyester powder coat of approved color & shade with a Dry Film Thickness of minimum 40 microns. Movements of the System:In case of D2 movement of units is achieved mechanically through a PU Drive wheel and ‘Sprocket-Chain- Tensioner’ arrangement mounted rigidly onto body side. Whereas in D4 & D5, movement of units is achieved mechanically through a Drive wheel and ‘2 stage Sprocket-Chain’ arrangement mounted rigidly onto body side. For D2, each movable undercarriage is provided with 2 Rollers on the shaft for driving, 2 antifriction ball bearing for rolling and 4 antifriction ball bearing for guiding between rail . Fittings: (a) Centralized Locking: A Centralized locking arrangement is provided through Locking Stiffener mounted onto back of Single Last unit so that it gets locked on channels when all the units are brought together. The Recess handle lock is of Godrej make & placed at suitable height. This arrangement occupies a space of 90.0 mm. Fasteners: The nuts & bolts are galvanized / blackodized / Zn Plated. Guide Channels: It consists of ‘J’ section 2 mm thk HR sheet & 25 mm Square bright bar – both connected by screws. Prior to the embedding of the guide channels with the help of raul plug & screw, the ground has to be in properly leveled condition. Label Holder: Made from 2 mm thk clear transparent Acrylic sheet & having outer dimension of 155 mm X 106 mm. (f) Aisle Space: Generally, for comfortable movements, the clear aisle space kept on the Handle / Drive Wheel side is around 915mm. Also, the aisle for comfortable accessing of inside of units, when rolled apart is around 915mm. Create the aisle space between the required units by moving them one by one & not together. (g) Weights Dead Weight of the system: (These are Nominal Weights. The Exact Weights may differ slightly. This is Only for Internal Purpose from Loading Point of view) (Total external load & dead weight is spread on 2 channels placed at a distance apart). Body Weight: Single Static/ Single Last: 48Kg (main), 43Kg (Add on); Twin Mobile: 82Kg (Main); 71Kg (addon Body). Undercarriage & other fittings: Single Static – Drive Type, 2 Bay (U/C+Fittings+Cover) SD2: 1830mmW x 457mmD x 65mmH Wt-22Kg. Single Last – Drive Type, 2 bay (U/C+Fittings+Cover) LD2: 1830mmW x 457mmD x 65mmH Wt-43Kg. Twin Mobile –Drive Type, 2 Bay (U/C+Fittings+Cover) TD2: 1830mmW x 1830mmD x 65mmH Wt-59Kg. (a) Locking Stiffener : 7 Kg . (b) Channel Pair : 15 Kg per 3 feet.</p>	
	Static Dual			
	Last Dual			
	Twin Dual			
	Channel -6'			



Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
24	Office Desk & Printer Table	50	The table is of size 136.5 cm (W) x 68.0 cm (D) x 75.0 cm (H). The top of table is to be made of 18 mm thick pre-laminated plain particle board. All the edges of the top are duly sealed using 2 mm thick PVC edge banding, fixed by using hot melt glue. Understructure is made in form of ‘C’ frame. Made of CRCA MS Sheet of 1.2 mm thk. The tubular frame is to be made of MS ERW round tubes dia 25.4 mm x 1.2 mm thk.Drawer Unit (3 drawer and 2 drawer) : The shell of the drawer unit is to be made of 0.8 mm thick CRCA MS sheet. The drawer tray is made of 0.5 mm thick CRCA sheet and the drawer front is made of 0.8 mm thick CRCA sheet. Drawer slides are based on friction slides. It should have 10 lever cam lock. The handles of drawer are made of ABS plastic.	

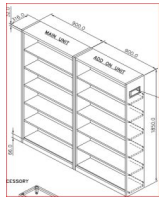
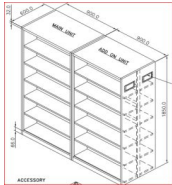
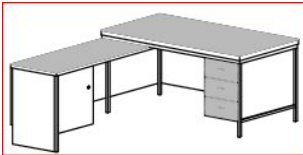
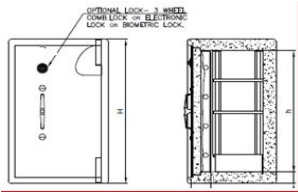
Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
25	Workstation 1200X600	151	<p>Modular Work station should be a panel based system of size 1200 x 600 that manages to look slim yet strong. It should be having a gapless partition system with linear panel for contemporary look. The workstation should be elevated from the ground for more air circulation with efficient wire management.</p> <p>The Thickness should be 52.4mm and this panel comprises of of 2 nos of vertical extrusions made of Aluminium. Horizontal extrusions made of Aluminum at every division of tile/blocks. Numbers of extrusions vary as per panel height. Blocks made of composite construction of MDF and paper honeycomb and it varies as per height. 1 number of fabricatedbottom frame as a welded structure of steel components. 2 nos of Bottom Tiles and 2 nos of top tiles.1 no. of top trim made of Aluminum extrusions. These panels are supported on legs with leveler at various locations depending upon on the requirement. The construction must offer better wire management. The fabricated bottom frame assembly of 52.4mm panel comprises of L- Channels made of 2 mm thick CRCA steel (IS:513), formed plates of 3 mm thk HR Steel (IS:2062) & ERW steel Tube of Size 35 x 15X 1.6mm thk in oval cross section (IS:7138) welded together. Coated with 50-60 micron thickness of epoxy powder coating. The panel leg used for supporting panels with height adjustability upto 50mm provided by leveler. It is fabricated by CO2 welded MS tube of section 38mm X 25mm with the base plate of the MS plate of 35X22X5mm over which an M8 leveller is fitted. Coated with 50-60 micron thickness of epoxy powder coating and connected with bottom frame assembly. Full Side Panel with Bracket would be in 25mm thk PLT mounted with full gable end braket made from 1.2 mm thk MS CRCA Grade D as per IS:513. The Blocks and metal frames are held together by verticals at both ends of the panel and horizontal between each block and tile. The Top trims are press fitted on the horizontal extrusions and End trim should be Slide fitted with the help of end trim connectcor. Both the trims and Panel Joineries are made of Aluminium extrusions having materials AL96063 –T6 with average thkness of 1.2mm. Powder coated with 60-60 microns. Grouting post are included where ever required. Grouting Post should be made of 2.5mm Thk MS HR plate with Poder coting of 50-60 microns.Blocks are for privacy and mounting Switches. A block for 52.4mm thk panel comprises of 38mm thick Paper honeycomb plus 3 mm MDF on eah sides and 0.6mm decorative laminate or fabric on bosth sides. Bottom blocks of 22.8mm panels or 52.4mm panel should be in Metal. Intermediate blocks should in fabric or laminate and Top block should be available in split type of fabric, laminate, white Board or Glass type (Only double sided Glass tiles can be given). All Bottom tiles should be press fitted on to the assembly frame of the panel with the help of snap on clips made of nylon -66 and support clips made of PP co polymer. Switces can be mounted on bottom tile as per customer requirement. Worksurface mounted on the frame with the help of bracket mounted on the to the horizontal extrusion. It is made from 2.0mm thk CRCA Grade D steel as per IS:513-19. Worktop should be of 25mm thk PPB with 2 mm thk machine pressed PVC Lipping with hot melt EVA glue. Where ever required has to offer Key Board Pull Out Tray and CPU trolleys made for MS CRCA sheet Duly Powder coated. Three Drawer metal pedestal should be given for each workstation. 3 Drawer Pedestal It should have multi bend construction with welded body and “Over Closing” style. Body shell, Drawer front and trays, Front side stiffener to be made from 0.6 mm thick MS CRCA Grade D. Top and bottom stiffeners to be made from 1.2 mm thick CRCA sheet. Rear side stiffener to be made from 0.8 mm CRCA sheet. It should have 10 lever cam lock. All the drawers should be mounted on double extension precision ball slides. Metal front with easy to grip full-length handle. It should have anti tilt mechanism and anti rebound mechanism. All steel components should undergo eight tank anti rust treatment and oven baked epoxy polyester powder coated with 50-60 dry film thickness. The CRCA steel sheet used should be as per IS-513 1994. Scratch hardness of 3 Kgs as BS-3900 part E2 1970, IS-101. Salt spray test of 1000 hrs. as IS 101. Workstation should be provided with Metal Key board Pull Out tray of size 522mm W X 415mmD X 110mm H. The metal tray is made of 0.9mm thick MS CRCA ‘D’ grade as per IS:513. The Ball slides are made of combination of 1.2mm and 1.5mm thk toll formed CRCA ‘D’ grade as per IS:513. A retro fit mouse pad along with Key board MS Sheet should be provided which is made of 0.9mm thk CRCA ‘D’ grade as per IS:513. CPU trolley on castors wheel will be part of each workstation. The tray should be made of 1mm thk MS CRCA sheet and side supports are made of 0.8mm thk MS CRCA sheet. Castors should be injection moulded in black nylon.</p>	
				

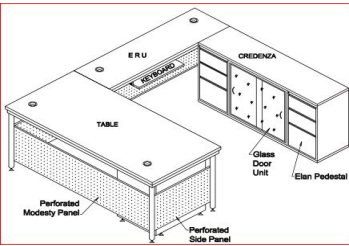

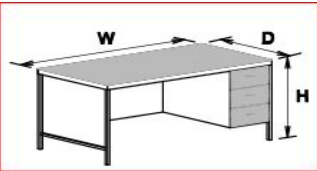
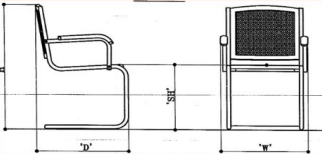
Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
26	Steel Racks Single Sided	14	Single Sided All Steel Book/article Rack Specifications: Feature or parameter Specifications: Product Size: Width 900mm, Height: 1850mm, Depth: 316mm. Construction: Rigid knockdown construction. Material: CRCA 0.8mm Thickness, Finish: Epoxy Polyester Powder coated to the thickness of 50 microns (+/- 10). Stackability: The add on units can be stacked width wise to form a bank of racks having common side panel. No. of Adjustable shelf: Five adjustable shelves thus making total 6 Loading levels. Uniformly Distributed Load Capacity per each shelf is 80 Kg maximum. Shelf back stiffener: At the rear side of the shelves back stiffeners are provided. These are to support books or other articles on the rear side and prevent them to fell down. Label holder & range indicator: Label Holder & Range indicator on each main unit for inserting labels.	
27	Steel Racks Double Sided	6	Double Sided All Steel Book/article Rack Specifications: Feature or parameter Specifications: Product Size: Width 900mm, Height: 1850mm, Depth: 600mm. Construction: Rigid knockdown construction. Material: CRCA 0.8mm Thickness, Finish: Epoxy Polyester Powder coated to the thickness of 50 microns (+/- 10). Stackability: The add on units can be stacked width wise to form a bank of racks having common side panel. No. of Adjustable shelf: Five adjustable shelves thus making total 12 Loading levels. Uniformly Distributed Load Capacity per each shelf is 80 Kg maximum. Shelf back stiffener: At the rear side of the shelves back stiffeners are provided. These are to support books or other articles on the rear side and prevent them to fell down. Label holder & range indicator: Label Holder & Range indicator on each main unit for inserting labels.	
28	Officer's Desk with square type tube with drawer (No hinged door in ERU)	10	Officers Table shall be made up of combination of Processed Wood & Steel. Table top shall be made up of 25 mm thick Pre-Laminated Particle Board (PLB) with all along duly sealed with 2mm thick beeding. Top size shall be 1665mmx 900mm. Understructure shall be made of tubular frame made up of MS ERW square tube of 30x30x1.6mm thick. Side and front panel of understucture shall be made up of Pre laminated twin board of 18 mm thick. Front support tube of understructure shall be made up of MS ERW square tube of 32x19x1.6mm thick. Storage units in table shall have 3 drawers made up of combination of Pre laminated Panels & MS sheets having size of 439W x 729 Dx 536H it should work on roller slides. ERU top shall be made up of 18 mm thick Pre-Laminated Particle Board (PLB) having top size of 900mm x 483mm Storage in ERU shall have hinged doors with one shelf having size of 341W x 438D x 493H. The Table & ERU shall come with option of LHS/RHS combination.	
29	Locker	1	1. All the surfaces of the safe before painting shall be thoroughly degreased and cleaned of rust and scale preferably by sand blasting or by normal pickling process and treated chemically to prevent from rusting. 2. The safe shall be painted inside and outside with an Anti-corrosive primer followed by two undercoats of paints and finally painted with quick drying paint. 4. The safe should have a two step lock case construction and in the closed position the gap at any place between the door edge and the frame shall not exceed 1 mm and in locked position it shall not have a play of more than 1 mm in the direction in which the door opens. 5. The thickness of door over the Bolt work should be 83 mm min. 6. Depth of the Barrier material in the body should be 90 mm and door 60 mm. 7. Lock should be provided with Drill Deflecting shield with Automatic relocking device. External Dimension:- Height=1245mm, width=785mm, depth=725mm; Internal Dimension :- Height=1045mm, width=585mm, depth=440mm.	

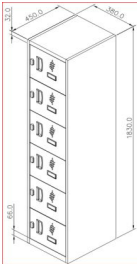
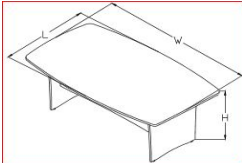

Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
30	Executive Desk (With 3 Drawer) with ERU (with Hinged Door Storage unit)	5	Executive Table shall be made up of combination of Processed Wood & Steel. Table top shall be made up of 48 mm thick (4mm veneer + 25mm plain Particle Board + 18mm Baton (PPB) + Backing decorated laminated. Veneered top coated with melamine satin finish, 9 mm thk seasoned wood beading on edges. Top size shall be 2062mmW x 880mmD. Understructure shall be made of tubular frame made up of MS ERW round tube of 50.8mm x1.6mm thick. Side and front panel of understructure shall be made up of perforated MS Sheet of 0.9mm thick.The back unit shall be made up of 48 mm thick (4mm veneer + 25mm plain Particle Board + 18mm Baton (PPB) + Backing decorated laminated. Veneered top coated with melamine satin finish, 9 mm thk seasoned wood beading on edges. Pedestal Unit the Shells are 0.8 mm thick, Drawer Tray 0.6mm thick, Drawer fronts are 0.8mm thk and slides are double extension ball slides. The Glass doors of back cabiinet are of 0.6mm thk plain glass and body of 0.8mm thk MS. The over all dimensions are Main Desk 2062mmW X 880mmD X 750mmH; ERU: 1675mm W X 450mmD X 750mmH; Pedestal: 390mm W X 590mmD X 646mmH; Back Credenza: 1580mmW X 440mmD X 750mmH	
31	Filing Cabinet	23	VERTICAL FILING CABINET: 4 DR. VFC. It should have multi bend construction with press fit fasteners free design. It should have roll formed side, back and sides of drawers. It should have 10 lever cam lock. All the drawers should be mounted on nickel chrome plated ball slides. It should have anti tilt mechanism and anti rebound mechanism. All steel components should undergo eight tank anti rust treatment and oven baked epoxy polyester powder coated with 50 microns dry film thickness. The CRCA steel sheet used should be 0.7 mm thick top, side & Drawer front, 0.6mm thick frames drawer inside cover, Sides and 0.5mm thick drawer bottom, back and bottom panel. It should have scratch hardness of 3 Kgs as BS-3900 part E2 1970, IS-101. It should sustain salt spray test of 1000 hrs. as IS 101. UDL of 40Kg per drawer. Overall size for the 4 Drawer Filing Cab.: 132 cm (H) x 47 cm (W) x 62 cm (D).	
32	Executive Desk (With 3 Drawer)	5	Table shall be made up of combination of Processed Wood & Steel. Table top shall be made up of 18 mm thick Pre-Laminated Particle Board (PLB) with all along duly sealed with 2mm thick beeding. Top size shall be 1345mmx 760mm. Understructure shall be made of tubular frame made up of MS ERW square tube of 30x30x1.6mm thick. Side and front panel of understructure shall be made up of Pre laminated twin board of 18 mm thick. Front support tube of understructure shall be made up of MS ERW square tube of 32x19x1.6mm thick. Storage units in table shall have 3 drawers made up of combination of Pre laminated Panels & MS sheets having size of 439W x 729 Dx 536H it should work on roller slides.	
33	Cane Chair	9	Seat/ Back: The seat and back are made of chemically treated and seasoned wood duly caned and melamine polished. Back Size: 45.5 cm W x 39.0 cm H, Seat Size 45.7 cm W x 42.4 cm D. The caning used for seat and back should have high tensile strength. Cane breaking strength should be min. 1400 Kg/Sq. cm, percentage elongation at break=25%. The armrest tube should be made of M.S. tube dia. 2.54 Cms. X 0.16cmthk. The under structure is cantilever type and made of M.S tube dia.2.5 cm. x 0.16cm thk M.S. ERW tube and powder coated. Powder Coating:Dry film thickness more than 40-60 microns. Salt Spray test to withstand more than 1000 hours. Pencil scratch hardness more than 2H Adhesion.	

Annexure - A

Technical Specification of the furniture

S.NO.	Item	Quantity	Specification	Image
34	Locker Cabinet	4	It should have Rigid Knock-down construction with press fit riveted design, made from 0.6 mm Prime Quality CRCA steel. 10 lever cam lock with lock lever is to be fitted in each door.The shelf should have Uniformly Distributed Load capacity of 35 Kgs. The overall size of each unit shall be W-380 mm x D-450 mm X H-1830 mm. The size of individual locker should be W- 380 mm x D-450 mm x H- 440 mm. Total numbers of lockers in each body should be 6 nos. All steel components should undergo eight tank anti rust treatment and oven baked epoxy polyester powder coated with 50 microns dry film thickness. The CRCA steel sheet used should be 0.6 mm thick as per IS-513 1994. Aesthetically appealing Snap fit ABS plastic handles and plastic label holders for identification to be provided. Door should have attractive punched patten for ventilation It should have scratch hardness of 3 Kgs. These should be available in Modular Design of Main and Add-on units for expansion.	
35	Distribution Desk	1	Top: All tops are made from 25mm Thick Pre-laminated board with 2 mm thick PVC edge beading. SIDE PANEL: All Side Panels are made from 25mm Thick Pre-laminated Twin with 2mm thick PVC Lipping of same color on sides and 0.8mm PVC Lipping of matching color on the bottom curve. Modesty: These panels are made from 18mm thick Pre-Laminated Board with 0.8mm PVC Lipping of matching color. Overall dimension : 2100mmW X 1200mm D X 745mmH	
36	Student table & seating	100	All panels are made from 18mm thk Pre- laminated twin board (E1/P2 grade) with PVC edge banding on all sides. The panels have corners rounded or safety usage. All side metal frames and cross connectors are made of 25.4 x 1.2mm thk, 31.8X1.2mm Thk and 28.6 X 1.2mm thk Round ERW tube as per IS:7138 which are welded	

**Tender for Supply of Furniture
Technical Bid**

1. Name of the Bidder: -----
2. Address of the Bidder :-----
3. Contact Details of the Bidder :
 - (a) Tel. No. with STD (O) ----- (Fax) ----- (R) -----
 - (b) Mobile No----- (c) E-mail ----- (d) Website -----
4. Name of Proprietor/Partners/Directors of the firm/agency -----

5. Bidder's Bank with branch and his Current Account number : -----

6. Registration and incorporation particulars of the Bidder indicating legal status such as company, partnership / proprietorship concern, etc (Please attach copies of the relevant documents/certificates).
7. CST/VAT/Excise Duty/TIN, etc registration details (Please attach copies of the relevant documents/certificates).
8. Copies of PAN / Income Tax Circle / TIN of the Bidder
9. Copies of Income Tax Returns filed for the last three years should be attached.
10. **Annual Turnover** of the tenderer for each of the last three financial years (FY 2012-2013, FY 2013-2014, FY 2014-2015). Financial statements with net profit duly audited / certified by Chartered Accountant (CA) of last three years along with the copies of Income Tax Returns, must be enclosed with the technical bid.
11. Proof of experience in supplying of furniture to Govt / Private institutes (Copies of latest work completion certificates from Govt ./ Private institutes in the last three years should be enclosed).
12. Declaration regarding blacklisting or otherwise by the Govt Departments as given in **Annexure D**
13. The tender document (all pages) duly signed and stamped as proof of having read the contents therein and in acceptance thereof should be enclosed.
14. Duly filled in authorization for attending the bid opening (Annexure E)

15. Details of Award / Certificates of merit etc, if any, received from any organization
(Please attach copy of the certificates, if any).

16. Financial Deposits

(a) **EMD** Draft No: ----- dt -----
amounting to Rs 3,00,000/- (Three Lacs Only) drawn in favour of Registrar, CSVTU,
BHILAI payable at Bhilai.

(b) **Tender Fee:** Draft No ----- dt -----
amounting to Rs 1,000/- (Rupees One Thousand Only) drawn in favour of Registrar, CSVTU,
BHILAI payable at Bhilai. (Please write the name of the proprietor on the reverse turn of the
drafts)

Signature of the Tenderer with seal and date

Tender for Supply of Furniture Financial Bid

S N	Item	Quantity Nos.	Net Price FOR including all taxes, Rs	Total Amount Rs
1	Chair Mid Back	65		
2	Mobile Pedestal	25		
3	SS Chair (Chrome Plated)	12		
4	Executive Suite	1		
5	Executive Desk	2		
6	VIP Chair - Upholstery High Back Chair	1		
7	VIP Chair - Upholstery Chair Mid Back Chair	2		
8	VIP Chair - High Back Chair	6		
9	Chair Medium Mid Back Chair	13		
10	Visitor's Chair with Arm	50		
11	Visitor's Chair without Arm	50		
12	Executive Sofa Set, Lounge Sofa Set 3+1+1 Seater	2		
13	Sofa Set, Lounge Sofa Set 3+1+1 Seater	4		
14	Recliner Single Seater	2		
15	Center Table Glass Top	8		
16	Corner Table	3		
17	Computer Table	40		
18	Almirah	25		
19	Conference Table	2		
20	Low Cabinet	3		
21	Glass Cabinet with Door	1		
22	Mobile Storage System (1 Bay Push Pull Type) Single static Single last Twin Module Channel- 6'	10		
23	Mobile Storage System (2 Bay Drive Type) Static Dual Last Dual Twin Dual Channel- 6'	10		
24	Office Desk & Printer Table	50		
25	Workstation 1200X600	151		
26	Steel Racks Single Sided	14		
27	Steel Racks Double Sided	6		
28	Officer's Desk with square type tube with drawer (No hinged door in ERU)	10		

29	Locker	1		
30	Executive Desk (with 3 drawer) with ERU (with hinged door storage unit)	5		
31	Filing Cabinet	23		
32	Executive Desk (with 3 drawer)	5		
33	Cane Chair	9		
34	Locker Cabinet, DS-6	4		
35	Distribution Desk	1		
36	Student table & seating	100		

Signature of the Tenderer with seal and date

Tender for Supply of Furniture

Declaration Regarding Blacklisting / Debarring For Taking Part in Tender.

(To be executed & attested by Public Notary / Executive Magistrate on Rs.10/- non judicial Stamp paper by the Tenderer)

I / We _____ (Tenderer) hereby declare that the firm / agency namely M/s. _____ has not been blacklisted or debarred in the past by Union / State Government or any organisation from taking part in Govt tenders.

(Or)

I / We _____ (Tenderer) hereby declare that the firm / agency namely M/s. _____ was blacklisted or debarred by Union / State Government or any Organization from taking part in Government tenders for a period of _____ years wef _____ to _____. The period is over on _____ and now the firm/company is entitled to take part in Government tenders.

In case the above information found false I/We are fully aware that the tender / contract will be rejected / cancelled by Registrar CSVTU BHILAI and EMD / performance security shall be forfeited.

In addition to the above, Registrar CSVTU BHILAI, will not be responsible to pay the bills for any completed / partially completed work.

DEPONENT

Name

Address

Attested:
(Public Notary / Executive Magistrate)

Tender for Supply of Furniture

LETTER OF SUBMISSION OF TENDER FROM THE BIDDER/VENDOR

1. I / We have examined the Scope of Works, Specifications and Schedule of Quantities and Terms and Conditions relating to the Tender for the said work after having obtained the Tender invited by you.
2. I / We have visited the site, examined the site of works specified in the Tender Document and acquired the requisite information relating thereto as affecting the Tender.
3. I / We hereby offer to execute the complete works in strict accordance with the Tender Document at the item rates quoted by me / us in the attached Bill of Quantities in all respects as per the Specifications in the Tender Document and the Annexures containing Terms and Conditions.
4. I / We agree to pay all Government (Central and State) Taxes such as Sales Tax, Works Contract Tax, Excise Duty, Octroi, service tax etc. and other taxes prevailing from time to time and the rates quoted by us are inclusive of the same.
5. The rates quoted by me / us are firm and shall not be subject to variations on account of fluctuation in the market rates, taxes or any other reasons whatsoever.
6. Should this tender be accepted, I / we hereby agree to abide by and fulfill all the terms and conditions and Provisions of the said Contract Document annexed hereto.

Names of the persons authorized to be present at the time of opening of the tenderer

i. _____

ii. _____

Documentary proof in respect of Letter of Authority / Power of Attorney to be enclosed along with the Tender.

Signature of the Tenderer with seal and date