



IISER Mohali

# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन एवं विकास मंत्रालय, भारत सरकार द्वारा स्थापित  
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IISERM(527)15/16 Pur

06<sup>th</sup> April 2015

## Expression of Interest

Expression of Interest for the “Supply and installation of Office Furniture” at IISER Mohali Administrative block are invited on the behalf of Director IISER Mohali. The EOI in Two Bid System along with EMD money by DD /Banker Cheque/ FDR/ Bank guarantee for Rs 1,00,000.00 in favour of the Registrar, IISER Mohali, so as to reach us latest by 27<sup>th</sup> April 2015 before 1pm and will be opened on the same day at 4pm.

## Terms & Conditions

- The bidder should be a manufacturer of furniture Items. The manufacturing plants should be ISO certified. The bidder should submit the detail(s) of production capacity of its product per year.
- Average turnover of furniture items for last 3 financial year wise. For 2011-12, 2012-13 and 2013-14 of the bidder shall not be less than Rs. 50 lakhs each year. The manufacturer shall not be in loss in any of the last 3 financial years.
- The bidder should have his own office in the Chandigarh operating from last minimum one year Bidder should, have experience in executing one single order for supply of furniture Items worth Rs.1.Crore or more in the last five financial years in any government department.
- Similar work means "Supply of any type of Furniture Items"
- Bidder should submit Bank Solvency Certificate of Rs. 50 Lakhs or more which should not be more than 1 year old.
- Bidder should have sufficient manpower resource to plan & execute properly the assembly & placement work. Bidder should also assist for the compatibility of old (existing furniture lying with Deptt.) and new furniture.
- The Bidder shall have Help line number operational from last one year to attend the calls received regarding repair / maintenance.

- The bidder should not have been debarred or blacklisted from any Government / Semi-Government / PSU / Board / Corporation / University or any Autonomous body.
- The manufacturer should have own after sales & service team to supervise installation and maintenance of the office furniture & Modular Furniture.
- The manufacturer must possess certificates of ISO-9001; ISO-14001; OHSAS 18001; BIFMA and IGBC.
- The bidder shall agree/undertake for comprehensive warranty for supplied/fixed items for one year.
- The Bidder to quote for full Items. Any tender for Part item will be rejected outrightly.
- The Institute, if need arises can split the orders as per its requirements.

### **Mode of submitting the expressions and procedure for selection**

- Expressions will comprise bids in two envelope system, presentations and sample evaluation.
- Bids in two envelope system (Envelope 1 to have EMD and technical literature, copies of work executed, copies of the certification, financial turnover and past experience. Envelope 2 to have price bid only. The bids not submitted in the manner as indicated, shall summarily be rejected.)
- Samples for Sr. No.1 (a), (d), (e), 2(a), 3(a), (b), (c), (d), (e), (f), (g), 4,5,6,7,8,9 to be provided along with the expressions/bids.
- Financial bids of only those vendors will be opened who qualifies in technical presentation and sample evaluation by the committee constituted by the Competent Authority. Different samples can be selected from different vendors after sample evaluation/technical presentations, for the purpose of awarding the supply.
- Warranty for one year. Tolerances in dimension as per IS codes.
- Vendor to visit the area and take actual dimensions of the layout before quoting their price. They must also correlate the items as marked in the enclosed drawings.
- The quantities can increase or decrease as per Institute requirement and the vendor shall have to comply for the same.
- If need arises, the supply can be bifurcated to different vendors for different items (the best sample) as per the Institute requirement.
- Furniture to be supplied in Knock down mode
- The items SR no have been marked on the enclosed drawings. The agency to go through the same to get the idea of the layout.

### **INSTRUCTIONS**

- ✓ The Quotation should be addressed to the Assistant Registrar (S&P), IISER Mohali invariably giving on the envelop Reference No. with date and Due date with time.

- ✓ One time importers from China with custom made specifications are highly discouraged.
- ✓ The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute.
- ✓ The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Supply outside India please mentions the Ex-works/FOB/FCA/CIF/CIP price clearly.
- ✓ In case of Ex-godown terms the amount of packaging forwarding freight etc should clearly be indicated by percentage or lump sum amount. Institute has policy not to make any advance payment towards any purchase, Letter of credit can be opened if required.
- ✓ THE INSTITUTE IS EXEMPTED FROM EXCISE AND CUSTOM DUTY.
- ✓ SALES TAX :- This Institute is not exempted from the payment of Sales Tax/Service Tax/VAT. The current rate (i.e. percentage of Sales Tax should be clearly indicated included or excluded) wherever chargeable.
- ✓ The delivery period should be specifically stated. Earlier delivery will be preferred.
- ✓ The firms are requested to give detailed description and specifications together with the detailed drawings, printed leaflets and literature of the Article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the quotation is liable for rejection.
- ✓ Validity of offer: 90 days. Firm should replace all manufacturing defect parts/ whole under warranty period without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance guarantee for 10 % of the value of supply order as per norms may be sought from firms.
- ✓ Late or delayed quotation will not be accepted.
- ✓ The right to reject all or any of the quotation and to split up the requirements or relax any or all the above conditions without assigning any reason is reserved. For any corrigendum and addendum please regularly visit our website.

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Assistant Registrar (S&P)

## Specification of furnitures

Sr.	Detailed Specification of the furniture	Qty
1	<p><b><u>TABLES</u></b></p> <p>a) Providing &amp; Fixing <b><u>Conference table</u></b> for “Committee room” of size 3000mmX 1350mmX750mm. The construction of the main table shall be free standing structure constructed with the help of minifix dowels and pins. The table should be made up of 43mmThick with combinaltion of 18mm Thick particle board finished with 2mm thick PVC Edgebanding &amp; 25mm thick Moulded MDF Board of Interior Grade as per IS 12406 : 2003. The table shall be supported 35-40mm thick Prelamaintred gable ends and 18 mm thick modesty panel finish as per approved shade.The provision of Wire carrier/cable management shall be as per manufacturer specifications with 30nos flip box and Vertibrae( One for each chair). Table shall be assembled at site in and brought in knock down condition The Products should be as per BIFMA standardsand have ISO-9001:2000 and ISO 14001-2004 certifications.The boards used should meet international standards of quality and safety, as per EN 312, type P II, E2 and Indian standards IS 3087, grade II to meet stringent norms of bending strength, screw-withdrawal strength and modulus of elasticity . ( Layout as per drawing No 1008/AL/1003/R2).</p> <p>b) Providing &amp; Fixing <b><u>Conference table</u></b> for “Senate room” of size 3000mmX 1350mmX750mm. The table is to be supplied in completely knock down conditions for assembly at site. The construction of the main table shall be free standing structure constructed with the help of minifix dowels and pins. The table should be made up of 40-45mm thick with combinaltion of 18mm thick particle board finished with 2mm thick PVC edgebanding &amp; 25mm thick Moulded MDF Board with decopainted .MDF Board shall be of Interior Grade as per IS 12406 : 2003. The table shall be supported 35-40mm thick Prelamaintred gable ends and 18 mm thick modesty panel finish as per approved shade.The provision of Wire carrier/cable management shall be as per manufacturer specifications with 30 nos flip box and cable tray( One for each chair). Table shall be assembled at site in. The Products should be tested as per BIFMA standards. The Product should have ISO-9001:2000 and ISO 14001-2004 certifications and meet international standards of quality and safety, as per EN 312, type P II, E2 and Indian standards IS 3087, grade II to meet stringent norms of bending strength, screw-withdrawal strength and modulus of elasticity . ( Layout as per drawing No 1008/AL/1003/R2).</p> <p>c) Providing &amp; Fixing “<b><u>Conference table</u></b>” for Board room is to be supplied in completely knock down conditions for assembly at site. The construction of the main table shall be free standing structure constructed with the help of minifix dowels and pins.The table should have waterfall edge of particle board shall be of Interior Grade as per IS 12406 : 2003 . The table connections have to be made in such a way that no gaps should be seen in between.The Top &amp; gable ends shall be constructed out of 25 mm thick prelaminated particle board finish as per approved shade. Modesty panel shall be made up of 18mm thick pre-laminated particle board finish. The provision of Wire carrier/cable management shall be as per manufacturer specifications with 17 nos flip box( one per each chair) and cable tray. Prelam particle board with edge bended confirming to meet international standards of quality and safety, as per EN 312, type P II, E2 and Indian standards IS 3087, grade II to meet stringent norms of bending strength, screw-withdrawal strength and modulus of elasticity. The Products should be tested as per BIFMA standards and should have ISO-9001:2000 and ISO 14001-2004 certifications.The boards used should meet international standards of quality and safety, as per EN 312, type P II, E2 and Indian standards IS 3087, grade II to meet stringent norms of bending strength, screw-withdrawal strength and modulus of elasticity . ( Layout as per drawing No 1008/AL/1003/R2).</p>	<p>01 No</p> <p>01 No</p> <p>01 No</p>

d)	<p><b>TABLES</b> (Deans, CVO and AR)having an overall size of 2200mm L x750x 750 mm Ht with work top made of 36mm thick Prelamiated Particle Board made of combination of 18+18. The main table shall have understructure having verticals leg base of 100x100 made of postlamiated MDF and Modesty Panel made of 18mm Prelamiated MDF board. It should have 2 nos storage unit. Both at side &amp; at front made os 18mm thick Prelamiated particle board.The Products should be tested as per BIFMA standards and should have ISO-9001:2000 and ISO 14001-2004 certifications.Table should have fliptop box for electrical &amp; data connections.The boards used should meet international standards of quality and safety, as per EN 312, type P II, E2 and Indian standards IS 3087, grade II to meet stringent norms of bending strength, screw-withdrawal strength and modulus of elasticity(Layout as per drawing No 1008/AL/1002/R2).</p>	08 Nos
e)	<p>Providing &amp; Fixing the <b>Table</b> (for PA)having an overall size of 1800mm L x 600mm W x 750 mm Ht with work top made of 45mm thick Prelaminated MDF Board finished with 1.5mm PVC Edgebanding . The main table shall have understructure having 36mm Gable End &amp; fixed Storage unit at Both End and 18mm thick Modesty panel connected both the storage. 45mm thick Board. Pedestal is fixed to the underside of theReturn unit top. Table should have fliptop box for electrical &amp; data connections .(Layout as per drawing No 1008/AL/1002/R2)</p>	07 Nos
f)	<p><b>Corner tables</b> Chrome pipe frame with 12mm toughned glass top of size 600 x 600 mm.(Layout as per drawing No 1008/AL/1002/R2)</p>	09 Nos
g)	<p>Providing &amp; Fixing the <b>Table</b> having with work top made of 43-mm thick Pre-laminated Particle board with 2mm thick PVC Edge banding. The main table shall have understructure having 25mm thick Gable end &amp; Modesty Panel made of 18mm thick plpb board finish board with having same Modesty Head of Black color . It should have 1 no's Mobile Pedestal unit having 2 drawer &amp; 1 filing drawer. The Mobile Side storage unit of size 1200Wx450Dx680mmH ,with caster wheel. All made of 18mm thick pre-laminated particle board. with having 1 Openable Shutter and a three drawer unit &amp; a open shelf at center as per manufacturer's specifications, drawings &amp; direction of Engineer in charge. The products should be tested as per BIFMA standards and have ISO-9001:2000 and ISO 14001-2004 certifications. The boards used should meet international standards of quality and safety, as per EN 312, type P II, E2 and Indian standards IS 3087, grade II to the meet stringent norms of bending strength, screw-withdrawal strength and modulus of elasticity ( As per Photo attached at no 3)</p>	09 Nos
2. a)	<p><b>Work Stations.</b> Providing &amp; Fixing panel based partition (<b>4 PAX</b>) of 60mm thickness 1200 mm height with framework made of aluminium alloy extrusions. All Aluminium parts are pretreated and duly powder coated of 40-60micron thickness. All these frame work sections are fitted to each other by fasteners of 2mm thickness which is properly zinc coated for corrosion resistant.Raceway in aluminum of size 100-120mm ht above / below the work top as per requirement for inlaying for Electricaland carring the wire horizontal.Top &amp; End Trims -The exposed vertical and horizontal faces of the frames are snap fitted with curve trims. The trims are made of aluminum extrusions of size 60x18mm(thickness 1.2mm) and are covered with Die Casted End caps on joints,2 way,3way &amp; 4 Way caps. WIRE MANAGEMENT - Partition has concealed wire management capabilities and are engineered for responsive and safe operations of power, telecommunications and data (LAN) and has separate components for electrical, data and telephone cables. Slots/cutouts are provided on Raceways to fix all electrical and data points. Work Table: Work Table top should be made of Pre laminated MDF board of 25 mm thickness Finish with One side Lamainte and bottom with White Balancing. The Straight edges will be sealed with matching 1.5mm thick PVC Edgebanding . Zinc coated steel brackets fixed to the partition frame to support the tabletops .</p>	02 Nos

	<p>Pedestal Drawer Unit:- The Pedestal Unit of Dimensions 400W x 450Dx 620-710mmH, body and drawer of the pedestal are made of 0.8mmCRCA sheet and drawer front facia of 1mm CRCA sheet . The drawer unit consists of 2 box drawer and 1 file drawer. All drawers move on telescopic channels only .The unit is provided with central locking system, where in the three drawer are locked with one key. Concealed handle are provided for easy opening and closing of drawer. for easy mobility the pedestalunit is fitted on 4 nos 38mm dia castors and two with locking facility. Key board tray should be made out of 1mm thick CRCA sheet and move on telescopic channels..CPU Trolley: Metal CPU trolley made in 1.00 mm thick CRCA Sheet with 4 nos casters , two lockable. In Black finish.Metal parts of the pedestal unit, keyboard tray and CPU trolley should be powdercoated.( Layout as per drawing No 1008/AL/1002/R2).</p>	
<p>b)</p>	<p>Providing &amp; Fixing panel based partition (<b>2PAX</b>) of 60mm thickness 1200 mm height with framework made of aluminium alloy extrusions. All Aluminium parts are pretreated and duly powder coated of 40-60micron thickness. All these frame work sections are fitted to each other by fasteners of 2mm thickness which is properly zinc coated for corrosion resistant.Raceway in aluminum of size 100mm ht above / below the work top as per requirement for inlaying for Electrical management and carrying the wire horizontally.Top &amp; End Trims -The exposed vertical and horizontal faces of the frames are snap fitted with curve trims. The trims are made of aluminum extrusions of size 60x19mm(thickness 1.5mm) and are covered with Die Casted End caps on joints. WIRE MANAGEMENT - Partition has concealed wire management capabilities and are engineered for safe operations of power, telecommunications and data (LAN) and has separate components for electrical, data and telephone cables .Slots/cutouts are provided on raceways of appropriate width to fix all electrical and data points. Work Table: Work Table top should be made of Pre laminated MDF board of 25 mm thickness and bottom with white balancing. The Straight edges will be sealed with matching 1.5mm thick PVC Edgebanding. Zinc coated support brackets fixed to the partition frame to support the tabletops . The Side Storage Unit:- of Dimensions 900Wx450D x 750mmH, top of the storage cabinet should be 25 mm thick MDFboard. Two sides and shelf should be 17-18mm thick Prelaminated MDF Board and back should be 8 mm thick pre-laminated MDF board.. The Storage unit consists of 2 openable shutter with having one Adjustable shelf .The unit is provided with locking system &amp; stainless steel D Type of handles 150mm length are provided for easy opening and closing of shutters .All hardware will be Hettich/Ebco/ Blum/Ozone Make provided with Metal Key Board Tray to move on telescopic channels .CPU Trolley: Metal CPU trolley made in 0.80 mm thick CRCA Sheet with lockable caster in black finish.-(Layout as per drawing No 1008/AL/1002/R2).</p>	<p>02 Nos</p>
<p>3. a)</p>	<p><b><u>Chairs</u></b> <b><u>Committee room chairs 58(1 with high back)</u></b> Medium back mesh chair having seat size of 20"W X 21" D back size 26" WX 20"H .Back: should have PP main frame, should have good quality mesh with good elasticity which is breathable,anti-dust and anti-aging. Back should be made from virgin plastic and it should be one piece.Seat should have hot pressed moulded ply with waterfall duly fixed with moulded poly urethen foam and covered with fabric.with polyurethane foam with 45+/2 kg/m3 and hardness + 20+/2 with cover fabric/leatherite tapestry, with locking arrangementswith 360 degree revolving should have class III pneumatic system for adjustment of height .Easily accesable lever for control .Mechanism of the chair shall be tilt mechanism with the features like 360 degrees revolving, forward tilt, Self-regulating tilt tension , manual override and pneumatic height adjustment with the adjustment stroke of 10 cm. Arms should have PP and be made of strong metal structure.The pedestal is aluminium alloy die casted with powder coated of 50-60 micron. and fitted with 5 numbers of twin wheel castors should be made of injection moulded in black nylon with friction free movement.Back should have adjustable plastic structure for desired support.(Institute can also prefer fixed chairs, if need arises, but vendors to quote for revolving one).</p>	<p>59 Nos</p>

b)	<p><b><u>Senate room chairs-58(1 with high back)</u></b>  Medium back mesh chair having seat size of 20"W X 21" D back size 26" WX 20"H .Back: should have PP main frame, should have good quality mesh with good elasticity which is breathable,anti-dust and anti-aging. Back should be made from vergin plastic and it should be one piece.Seat should have hot pressed moulded ply with waterfall duly fixed with moulded polu urethen foam and coverd with fabric.with polyurethane foam with 45+/-2 kg/m3 and hardness + 20+/-2 with cover fabric/leatherite tapestry, with locking arrangmentwith 360 degree revolving should have class III pnumatic system for adjustment of height .Easily accesable lever for control .Mechanism of the chair shall be tilt mechanism with the features like 360 degrees revolving, forward tilt, Self-regulating tilt tension , manual override and pnematic height adjustment with the adjustment stroke of 10 cm. Arms should have PP and be made of strong metal structure.The pedestal is alumminiam alloy die casted with powder coated of 50-60 micron. and fitted with 5 numbers of twin wheel castors should be made of injection moulded in black nylon with friction free movement.Back should have adjustable plastic structure for desired support.(Institute can also prefer fixed chairs, if need arises, but vendors to quote for revolving one).</p>	59 Nos
c)	<p><b><u>Board room chairs-42(1 with high back)</u></b>  Medium back mesh chair having seat size of 20"W X 21" D back size 26" WX 20"H .Back: should have PP main frame, should have good quality mesh with good elasticity which is breathable,anti-dust and anti-aging. Back should be made from vergin plastic and it should be one piece.Seat should have hot pressed moulded ply with waterfall duly fixed with moulded polu urethen foam and coverd with fabric.with polyurethane foam with 45+/-2 kg/m3 and hardness + 20+/-2 with cover fabric/leatherite tapestry, with locking arrangmentwith 360 degree revolving should have class III pnumatic system for adjustment of height .Easily accesable lever for control .Mechanism of the chair shall be tilt mechanism with the features like 360 degrees revolving, forward tilt, Self-regulating tilt tension , manual override and pnematic height adjustment with the adjustment stroke of 10 cm. Arms should have PP and be made of strong metal structure.The pedestal is alumminiam alloy die casted with powder coated of 50-60 micron. and fitted with 5 numbers of twin wheel castors should be made of injection moulded in black nylon with friction free movement.Back should have adjustable plastic structure for desired support.(Institute can also prefer fixed chairs, if need arises, but vendors to quote for revolving one).</p>	43 Nos
d)	<p><b><u>Dean's Chairs</u></b>  GP-153 high back chairs PU arms, chrome base. Should have passed lab test for 1 lac cycles of Torsion bar mechanism.Chair should be designed for proper lumber support, Metallic PP arms.Leatherite tapestry. The seat and back should be made up of 1.2 cm thick hot pressed moulded plywood &amp; upholstered with leather with high density 45 moulded polyurethane foam, The polyurethane foam is moulded with density =45+/-2kg./m3 and hardness = 20+/-2 The back form designed with contoured lumbar support for extra comfort. The seat and back are arrested together for motion on central pivot. The chair has syncro knee tilt mechanism with multi position locking mechanism. The Chair has die cast aluminium base with superior Nylon twin wheel castors having self lubricating properties for friction free movement. Seat depth 19" X 20" width,back height 26" X width 24.</p>	08 Nos
e)	<p><b><u>PA room</u></b>  Medium Back chair (Seat depth 19" X 20" width.back height 24" X width 24") should be ergonomically designed and powered with pneumatic svstem for seat height adjustments. The chair should be provided with push back and tilting facilitv. The seat and the back should be made from 15mm thick compressed plv cushioned with high density polvurethane foam (density =45+/-2kg./m3 and hardness = 20+/-2) upholstered with high quality PU Rexene to give maximum cushioning effect and provides a complete support to the spine thus eliminating stress on account of prolonged sitting. Pressure die-cast aluminum arms rests are provided &amp; should be fixed to the main frame with high tensile Allen- bolts. Chair should have tilt tension adiustment mechanism for comfortable reclining. Upright locking facilitv allows for concentrated working with full back support and tilt lock mechanism. The seat should be provided with 360 deg. Swiveling mechanism.</p>	16 Nos

	<p>The seat height is adjusted with a lever which operates the pneumatic cylinder should be fitted in the centre of the pressure die- cast aluminum base reinforced molded 5 leg base. The base of die cast aluminium is fitted with 5 nos. of Twin wheel casters of 50 mm dia. made of nylon having self lubricating properties on each leg. For friction free movement. Powder coat thickness- 50-60micron .</p>	
f)	<p><b><u>Visitors Chairs</u></b>  Visitor chair seat should be made of cushion 15 mm thick hot pressed PU moulding. Upholstery with high quality fabric. Back provided with black nylon netting so as to provide comfort to the person's back. Provided with arms. Frame should be made from 25 dia CRC A pipe and should be powder coated thickness 50-60 micron.</p>	77 Nos
4.	<p><b><u>COMPATOR / OPTIMIZER</u></b> Supply, Placement and Installation of Optimizer Storage System with following specifications It shall consists storage units 457 mm deep – fixed or movable – bolted to Undercarriage which rolls onto the channels, which, shall firmly fixed to the ground. Optimizer Height from ground shall be 2100 mm . Width of the Optimizer body shall be 915mm. Finish of the the bodies including shelves shall be given antirust surface treatment &amp; shall be powder coated with epoxy polyester powder. It shall involve an 8 step treatment consisting of Hot water rinse, Knock of degreasing, degreasing, cold water rinse, phosphating, cold water rinse, and passivation &amp; dry off oven treatment. Final finish shall consist of epoxy polyester powder coating of approved color &amp; shade with . Shelf shall be made of 1.0mm thick CRCA steel conforming to IS: 513 Gr.D or DD. These shelves have minimum 10 folds each. Its max load bearing capacity shall be 88 Kg uniformly distributed for single body per shelf &amp; 44 Kg uniformly` distributed for twin mobile body per shelf. A Centralized locking arrangement shall be provided through Locking Stiffener mounted onto back of Single Last unit so that it shall get locked on channels when all the units are brought together. The Recess handle lock shall be of Godrej or equivalent make &amp; placed at suitable height. Each Drive type units shall have Locking Knob near the Drive wheel for manual locking of individual units. End stoppers shall be provided at the end of channels to prevent derailment. The nuts &amp; bolts shall be galvanized / blackodized / Zn Plated. Guide Channels shall consist of 'J' section 2 mm thk HR sheet &amp; 25 mm Square bright bar – both connected by screws. Prior to the embedding of the guide channels with the help of raul plug &amp; screw, the ground shall have to be in properly leveled condition. Label Holder shall be made from 2 mm thk clear transparent Acrylic sheet &amp; having outer dimension of 155 mm X 106 mm. The work shall be done as per layout drawings enclosed and work includes costing of all guiderail and assessories needed or as required. Cost is for SSF one unit, Double side one unit and single side moving ( total comprising of 1 -SSF,3-DSM and 1 -SSM) ( Layout as per drawing No 1008/AL/1002/R2).</p>	15 Nos
5.	<p><b><u>Storewell Almirah Big</u></b>  <b>SIZE:</b>Height 1980mms, Width 915mms, Depth 486mms  Supply of steel almirah big size manufactured from CRCA sheet conforming to IS: 513-1994 grade 'D' material. The CRCA sheet of uniform thickness and of 22 gauge for the body, 20 gauge for doors duly cut and bend with the help of CNC machines. The almirah shall be equipped with four adjustable shelves manufactured from 22 gauge CRCA sheet, thereby making five compartments in the Almirah. The steel shelf shall be capable of carrying a uniformly distributed load of 80kgms. The almirah shall be provided with three hinges for each door having removable hinge pins The feet height/ ground clearance shall be 127 mms approx. Provides with three way locking system. All the steel components should be pre-treated for de-greasing, de-rusting and phosphating. After proper pre-treatment, the steel components should be epoxy powder coated and oven baked at temp. Above 200 deg. C to provide scratch resistance surface coating film thickness 45-50 microns.</p>	22 Nos



6.	<p><b><u>Book cases 4 glass door</u></b>          Scissor Mechanism          Overall Size                    914mm(W)x 315mm(D)x1740mm (H) .          No. of Doors &amp; Shelve    Four          Door Size                        850mm (L) x 400 (H)          Toughened Glass            760mm (L) x270mm (H), Toughened glass          Window Size                    Thickness-4mm          Shelf Space Size                910mm(W) x 295mm(D) x 330mm(H)          The body should be made of 22 gauge CRCA sheet and the doors are made from 20 gauge CRCA sheet duly cut and bend with the help CNC machines .Each Door should be fitted with two stainless steel handles and door should be made from single sheet, welding on the front frame of the doors should not be acceptable. 5 Lever Cam Lock Swiveling &amp; Sliding Back Mechanism. Door Operation should be noiseless and smooth by the use of special scissor mechanism for the effortless &amp; controlled movement of doors even with a single hand. The manufacturing should be undertaken using Dies/Zigs and fixtures so as to achieve interchangeability, precision and a superb workmanship. Steel welding wherever required, should be done by MIG welding process to minimize distortion and for the deep penetration of the weld. All steel parts shall be pretreated in 4-step anti-corrosion treatment (degreasing, pickling, phosphating, passivation) before being powder coated and baked in oven so as to achieve 40-45 micron thickness of the powder and a complete scratch resistant surface and superb finish.</p>	14 Nos
7.	<p><b><u>Almirah Glass door</u></b>          SIZE: Height 1970mms, Width 915mms, Depth 485mms supply of Steel Almirah big size manufactured from CRCA sheet conforming to IS: 513-1994 grade 'D' material. The CRCA sheet of uniform thickness of 22 gauge for the body and shelves, 20 gauge for doors frame duly cut and bend with the help CNC machines The doors should be provided with 4mm thick toughened glass having high quality rubber beading on all four sides and further holding with sheet metal strips. Welding on the front frame of the doors should not be acceptable. The front twin door frame should be in single sheet with built in up and down cut outs of size 790mm x 290 mm for fitment of toughened glass. The doors are provided with 3 way bolting system. The top and bottom end of the locking rod should be horizontally hook type and to be inserted into the horizontal slot and 3-way lock should be operated by single key. The almirah shall be equipped with four adjustable shelves manufactured from 22 gauge CRCA sheet, thereby making five compartments in the almirah. The steel shelf shall be capable of carrying a uniformly distributed load of 80 kgms. The almirah shall be provided with three hinges for each door having removable hinge pins The feet height/ground clearance shall be 127 mms approx. All the steel components should be pre-treated for de-greasing, de-rusting and phosphating. After proper pre-treatment, the steel components should be epoxy powder coated and oven baked at temp. Above 200 deg. C to provide scratch resistance surface coating film thickness 45-50 microns.</p>	14 Nos
8.	<p><b><u>Filing Cabinet 4 door</u></b>          Overall size: 1295mm H x 470 mm W x 620 mm D          Sheet gauge used for Body &amp; Drawer: CRCA 22 gauge</p> <ul style="list-style-type: none"> <li>• Drawer Filing space: 390 W x 565 Depth x 285 H</li> <li>• No of drawers: Four</li> <li>• Frictionless movement of drawers on Ball Bearing channels</li> <li>• All drawers lockable with a single five lever lock</li> <li>• Anti-tipping Safety Mechanism: In-built mechanism to ensure opening of only one drawer at a time.</li> <li>• Provided with 75 mm ground clearance bottom stand.</li> <li>• Provided with 17mm thick pre-laminated board on the sheet metal top of the filing cabinet.</li> </ul>	14 Nos

	<p>All the exposed edges of the board should be protected with 1.5 mm thick lipping affixed with hot melt glue.</p> <ul style="list-style-type: none"> <li>All steel parts shall be pretreated in 4-step anti-corrosion treatment (degreasing, pickling, Phosphating and passivation) before being powder coated and baked in oven so as to achieve 45-50 micron thickness of the powder and complete scratch resistant surface and superb finish.</li> </ul>	
9.	<p><b><u>Computer table</u></b></p> <p>Overall Size : 1050 mm x 600 mm D x 750 Ht - Table top is to be of MDF board 91050 mm x 600 mm, 18 thick, laminated on top with post forming laminate, post formed on the front and rear sides. <b>I</b> the exposed edges are to be protected with PVC lipping of 1.5 mm thickness affixed with hot melt glue. Full length post formed sliding shelf for keyboard move on telescopic channel. The rear of the keyboard platform is to provided with a sheet metal protection against accidental fall of the keyboard. Frame: Top and bottom frame of the table shall be made from 50 x 25 x 1.2 mm rectangular pipe, horizontal pipe and vertical pipe shall be 25 x 25 x 1.2 mm CRCA square pipe. Sides of the table structure are cladded with 22 G sheets without sagging. A chrome plated 32mm dila, round pipe provided for the foor rest. The table base has to 4 no. Level adjutors to provide for unevenness of floor. All steel parts shall be pretreated in 4-step antl-corrlslon treatment (degreasing, pickling, phosphating, passivation) before being powder coated and baked in oven so as to achieve 40-45 micron thickness of the power and a complete scrath resistance surface and superb finish.</p>	22 Nos
10.	<p><b><u>Sofa 2-Seater</u></b></p> <p>Sofa overall dimension: 2 seater 1450 lx 760 dx 750 h. Frame construction:- 12mm thick ply wood &amp; 2" x 1 1/2" treated pine wood (or) rubber wood (or) red miranti (or) suitable wood to be used , 100 x 80mm staple pin, body line cover - 3mm thick mdf, elastic webbing:-seat : 4" width elastic webbing to be used , 2'x2'x2" thick foam to be stuck above the elastic belt using rubber adhesive should be non toxic . Back / arms: 2" width elastic webbing to be used (back - 4pcs horizontaly, hand rest - 2pcs horizontaly),elastic webbing to be stappled at the center of the wood.foam:-seat foam : 100mm thick 38d high density, arms &amp; back foam : 50mm thick 30density &amp; high density, seat front round portion : 20mm thick 28d and high density, body line cover - 20mm thk 25d and high density, foam covering - poly wadding 225-250 gsm to be wrapped all around. Thread and stitching: nylon bonded thread to be used for stitching the fabric, preferably vardaman brand. Stitching to be in straight line, no wrinkles along the stitchingline and no pin holes.non oven cloth:bottom of the sofa to be covered with 90 gsm non oven cloth . Marking to be done on the nonoven cloth for fixing the leg/plastic bush. joint between side &amp; seat to be in straight line.</p>	18 Nos