



















INSTITUTE OF HOTEL MANAGEMENT  
FARIDABAD.




SCOPE OF WORK FOR MODULAR FURNITURE					
S No.	ITEM/DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b>LIBRARY</b>				
1	<b>Table of size:</b> 900mm(W)X900mm(D)X740mm(H) worktop made of 25mm thick PLB tops with 2mm thick PVC edge banding,Understructure: C-Frames of 1.6mm thick M.S C-Frames Supporting the top with legs of Dia 38.1 X 1.6 mm thick M.S ERW tube.	Nos	9		
2	1) <b>SEAT/BACK ASSEMBLY:</b> The seat and back are made from 1.0cm thk. hot pressed water resistant, commercial plywood upholstered with P.U. foam and fabric. BACK SIZE: 42.0cm.(W) x 27.0cm.(H) SEAT SIZE: 42.0cm.(W) x 42.0cm.(D)	Nos	36		
	2) <b>POLYURETHANE FOAM:</b> The Polyurethane foam is moulded with density = 45 +/-2 kg/m <sup>3</sup> and Hardness = 20 +/- 2 kg. on Hampden machine at 25% compression				
	3) <b>UNDERSTRUCTURE ASSEMBLY:</b> The assembly is a mainframe made of dia. 2.54cm. (1") x 14 BG M.S. E.R.W. tube. and a welded leg tube made of dia. 2.54cm.				
3	Door Book Case (4 compartments)Supplying and placing bookcase having 4 drawers of size 1742H x 914W x 320D. The bookcase shall be made of CRCA Steel having thickness of 0.8mm with rigid knock down construction. Nos door shall have - 10 Lever Cam lock with common key, 3mm thick transparent glass for clear inside vision secured in a metal frame through rubber gasket, Scissor mechanism for receding inside the top of respective compartment and ensure parallel and smooth movement, Plastic side end caps as handle which should be easy to grip. Nos compartment shall have storage shelf having uniformly distributed load capacity of 80 kg maximum. The bookcase unit shall have inside metal top panel. The unit shall be finished with epoxy polyester powder coated to the thickness of 50 microns (+/-10).	Nos	5		
4	<b>Steel Almirah – Small</b> Supplying and placing steel almirah small of size: 1270mm (H) x 765mm(W) x 440mm (D). The Almirah shall be made of prime quality CRCA steel of IS-513 1994 Grade 'D' quality. Panels and front frame shall be 0.9mm thick & shelf & back panel shall be 0.8mm thick. The drawer front shall be provided with chrome finished Handle cum Cam Lock having 3 way locking mechanism with shooting bolt mechanism. The construction shall be multi bend construction having interlocking design and full length over lapping doors and side. Two adjustable shelves shall be provided for making 3 compartments. Door shall be steel hinged door.	Nos	1		
		<b>Total</b>			





	<b>STUDENTS' DINING HALL</b>					
1	6 Seater Dining Table of size: 1800mmWX900mmDX740mmH,Material shall be from solid rubberwood in indian mahagony finish.	Nos	22			
2	<b>Dining Chair:</b> SEAT/BACK SHELL: The seat/back shall be one piece injection moulded in polypropylene.Approx seat size: 46.00cm(W) X 38.00cm(D).Approx Back size: 41.00cm(W) X 40.00cm(H).Tunular Understructure: shall be fabricated from dia 1.9+/-0.02cm x .01+/- 0.008cm thk. SS 202 grade tube welded together with SS connecting rod dia 0.8+/- 0.0058cm.The understructure is provided with black PP injection moulded ferrules.	Nos	132			
		<b>Total</b>				
	<b>CLASSROOMS : SEATING CAPACITY – 60 (4 ROOMS)</b>					
1	<b>2 Seater Student Desk cum Bench of size1100mmWX915mmDX744mmH:</b> Ergonomically designed and study classroom furniture: Top of Seat and Backrest: The Panels have their corners rounded for safety in usage.The Panels are made from 18mm thk. Pre-laminated Boards with PVC Edge banding on all sides.Understructure made of 25.4 x 25.4mm x 1.25mm thk. Powder coated ERW tubes at base which are welded to the desk and seat supports that are made of 1.0mm thk. Powder coated MS 'C' Sections. Stiffeners are provided between the two vertical frames at base and back of seat, are made from 25.4 x 25.4 x 1.25mm thk. Powder coated ERW tubes. The tubes are closed with Plastic caps Additional horizontal supports of 0.8mm thk. Powder coated MS 'C' sections are placed below the desk and seat to add the rigidity to structure. The storage shelf is made from 0.8mm thk powder coated MS sheet which is affixed below the desktop. Hooks are provided on either sides of the vertical C-sections of the desk, for hanging bags/bottles.They are made from 6.0mm diameter MS rods.The desk is mounted on a plastic angular wedge for inclination to ensure comfortable writing posture. Level adjusters are provided to take care of unevenness in floor.	Nos	120			
2	Lecture Stand: Shall be given with pre laminated particle board with sunmica finish of size( 25"w x 23"d x 47"ht).	Nos	4			
		<b>Total</b>				

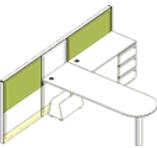



LECTURE ROOMS : SEATING CAPACITY – 100 (2 ROOMS)					
1	<p><b>2 Seater Student Desk cum Bench of size1100mmWX915mmDX744mmH:</b>Ergonomically designed and study classroom furniture: Top of Seat and Backrest: The Panels have their corners rounded for safety in usage.The Panels are made from 18mm thk. Pre-laminated Boards with PVC Edge banding on all sides.Understructure made of 25.4 x 25.4mm x 1.25mm thk. Powder coated ERW tubes at base which are welded to the desk and seat supports that are made of 1.0mm thk. Powder coated MS 'C' Sections. Stiffeners are provided between the two vertical frames at base and back of seat, are made from 25.4 x 25.4 x 1.25mm thk. Powder coated ERW tubes. The tubes are closed with Plastic caps Additional horizontal supports of 0.8mm thk. Powder coated MS 'C' sections are placed below the desk and seat to add the rigidity to structure. The storage shelf is made from 0.8mm thk powder coated MS sheet which is affixed below the desktop. Hooks are provided on either sides of the vertical C-sections of the desk, for hanging bags/bottles.They are made from 6.0mm diameter MS rods.The desk is mounted on a plastic angular wedge for inclination to ensure comfortable writing posture. Level adjusters are provided to take care of unevenness in floor.</p>	Nos	100		
2	Lecture Stand: Shall be given with pre laminated particle board with sunmica finish of size( 25"w x 23"d x 47"ht).	Nos	2		
		Total			
BOARD ROOM					
1	<p><b>Conference Table (26 seater):</b> Worktop made of 25mm thk (+/-1mm),Base material-25mm MDF board,0.4mm PVC membrane foil using wrap around technology.The foil is pre-coated with PU layer for better scratch and wear resistance with 0.6mm balancing laminate on bottom surface.Squeezeed leg assembly: Nickel chrome plated Squeeze Leg made from Dia50.8 x 1.6mm Thk MS ERW tube.Leg assembled together with a plastic glide at bottom and a powder coated Leg connector,made from Aluminum (Pressure Die cast ) Alloy at top. <b>Cross member and Connectors:</b>Powder coated cross member made from 1.5 mm thick Aluminum extrusion fixed with work-surface by plastic moulded Table support connector.Powder coated connectors made from Aluminum Alloy ( Pressure Die cast) fixed at both ends of cross members.Squeeze Leg assembly and connectors are assembled together to strengthen complete understructure. <b>Access Flap and Switch Mounting Tray:</b> Made from Matt silver Anodized Aluminum extrusion and plastic moulded components to facilitate access of Electrical/Data/Voice sockets access from Top Powder coated switch mounting tray made from 0.8mm and 1.5mm MS sheet. Switches to be mounted on tray as per requirement Provision for mounting 8-Module Anchor Roma switch plate on switch mounting tray.The Rectangular portion should be of size:1350mmWX600mmD and semicircular portion on both side shall be of size 1350mmWX675mmR.</p>	Nos	1		
2	<p><b>Revolving Chair with Arms(high back):</b>Suppling and placing the high back chair with the seat and back shall be made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam shall be designed with contoured lumbar support for extra comfort. The size should be : Back : 49.5cm. (W) X 69.50cm. (H). Seat : 49.5cm. (W) X 43.0cm. (D). The polyurethane foam is moulded with density = 45 +/-2 kg/m3 and Hardness = 20 +/- 2 on Hampden machine at 25% compression. The one-piece armrests made of black integral skin polyurethane with 50-70 Shore Hardness and reinforced with M.S. insert. The armrests should be scratch and weather resistant. The armrests should be fitted to the seat with seat armrest connecting bracket made of 0.3 cm. thk. HR steel. The center pivot mechanism is designed with the following features: 3600 revolving type. 17° maximum tilt on pivot at center.Tilt tension adjustment. Upright locking.The pneumatic height adjustment should have an adjustment stroke of 10 cm. The bellow should be 3 piece telescopic type and injection moulded in black polypropylene. The pedestal should be made of moulded plastic (polypropylene) with metal insert and fitted with 5 nos. twin wheel castors (castor wheel dia. 5.0cm.). The pedestal should be 66.0-cm. pitch-center dia. (76.0 cm with castors). The twin wheel castors should be injection moulded in 30% Glass Filled black Nylon.</p>	Nos	1		

3	<p><b>Revolving Chair with Arms(Mid back):</b>Suppling and placing the high back chair with the seat and back shall be made up of 1.2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam shall be designed with contoured lumbar support for extra comfort. The size should be : Back : 49.5cm. (W) X 45.5cm. (H). Seat : 49.5cm. (W) X 43.0cm. (D). The polyurethane foam is moulded with density = 45 +/-2 kg/m3 and Hardness = 20 +/- 2 on Hampden machine at 25% compression. The one-piece armrests made of black integral skin polyurethane with 50-70 Shore Hardness and reinforced with M.S. insert. The armrests should be scratch and weather resistant. The armrests should be fitted to the seat with seat armrest connecting bracket made of 0.3 cm. thk. HR steel. The center pivot mechanism is designed with the following features: 3600 revolving type. 17° maximum tilt on pivot at center.Tilt tension adjustment. Upright locking.The pneumatic height adjustment should have an adjustment stroke of 10 cm. The bellow should be 3 piece telescopic type and injection moulded in black polypropylene. The pedestal should be made of moulded plastic (polypropylene) with metal insert and fitted with 5 nos. twin wheel castors (castor wheel dia. 5.0cm.). The pedestal should be 66.0-cm. pitch-center dia. (76.0 cm with castors). The twin wheel castors should be injection moulded in 30% Glass Filled black Nylon.</p>	Nos	25			
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	<b>PRINCIPALS ROOM</b>				
1	<p><b>Table:</b> Table Size:1800mmWX900mmDX750mmH,Side Unit:1200mmWX600mmDX730mmH.Main Material :Particle Board with the density of 680 kg / m3 Surface : CPL (Continuous Pressure Laminate) in 0.5 mm thickness Process: Postforming in Duck-Nosed Profile, Edging : 2 mm PVC Edging, Black color,Color: Dark Cherry,<b>Main Desk :</b> Table Top : 25 mm MFC (Melamine Faced Chipboard), plus 30 mm MDF (Medium Density Fiberboard) black pad</p> <p><b>Modesty Panel :</b> 18 mm MFC,Leg : 25 mm MFC, plus 30 mm MDF right and left pad,<b>Free Standing Return Desk:</b> Table Top : 25 mm MFC ,Modesty Panel : 18 mm MFC Leg : 25 mm MFC, plus 30 mm MDF right and left pad,<b>Pedestal :</b>Top Panel : 25 mm MFC,All Other Panels : 18 mm MFC,Lock : Provided,Castors : Provided,Handle:<b>Metal,Credenza:</b> Top Panel : 25 mm MFC ,Door Panels : 18 mm MFC,All Other Panels : 18 mm MFC,Handle : Metal,<b>Wardrobe:</b> Top Panel : 25 mm MFC,Bottom Panel : 25 mm MFC,Wood Door Panels : 18 mm MFC,Glass Doors : 5 mm,All Other Panels : 18 MFC,Handle : Metal,<b>Joining Top:</b>Top Panel : 25 mm MFC,Leg : Metal</p>	Nos	1		
2	<p><b>Revolving Chair with Arms (high back):</b>Supply and placing of very high back chair with seat size 49.0cm. (W) x 48.0cm. (D) and back size 53.0cm. (W) x 79.0cm. (H), made up of 1.2cm.thick hot pressed plywood upholstered with leather &amp; moulded Poly. foam. The back foam shall be designed with Contoured lumber support for extra comfort. The polyurethane foam shall be moulded with density = 45+/-2kg/m3 and Hardness = 20+/-2 On Hampden machine at 25% compression. The seat &amp; back shall be arrested together with a 9.0cm. (w) spine made of 0.8cm thk. HR steel. The spine shall be black powder-coated. The armrest assy. shall comprise of three parts viz. the armrest support tube, P.U. armrest and the armrest top. The armrest tube assy. shall be made of 2.54cm(1") x 14 BG. M.S. E.R.W. support tubes and Chrome plated. The P.U. armrest shall be made of black integral skin polyurethane with 50-70 Shore 'A' Hardness and reinforced with M.S. insert. The armrest top shall be made of ABS &amp; upholstered with foam &amp; leather. The chair shall have front pivot synchro tilt mechanism designed with features like 360deg. Revolving type, 12deg. Seat tilt &amp; 19deg. Back tilt, front pivot for tilt with feet resting on ground ensuring more comfort and tilt tension adjustment. The chair shall have 5- position locking with anti-shock back mechanism, which prevents the backrest from impacting the user when the lock is released. The static seat depth adjustment = 5.0cm with 5 position locking. The pneumatic height adjustment shall have an adjustment stroke of 8.0 cm. The bellow shall be 1-piece and blow moulded in black polypropylene. The pedestal shall be made up of die-cast aluminium with buffing finished which shall be fitted with 5nos. twin wheel castors. The pedestal shall be 67.0cm pitch-center dia. (77.0cm with castors). The twin wheel castors shall be injection moulded in 30% Glass filled black Nylon.</p>	Nos	1		
3	<p>Chair (for visitors):SEATIBACK ASSEMBLY:SEAT/BACK ASSEMBLY: The seat is made up of 1.2cm. thick hot-pressed plywood, upholstered with pure leather (Black) at contact area and polyurethane foam. The seat width is 490mm and seat depth is 420mm. The back is made up of Dia 10mm M.S tubular frame, upholstered with pure leather (Black) at contact area. POLYURETHANE FOAM: The polyurethane foam for seat is moulded with density = 32 ±4 kg/m3 and Hardness =32± 4.LEG FRAME ASSEMBLY (9N12AX): Leg frame welded assembly made from 38mm X 19mm Elliptical MS ERW tube with base plate for seat fixing,Size: 750mmWX 750mmDX 1135-1215mmH.</p>	Nos	4		
4	<p><b>3 Seater Sofa :</b>NOMENCLATURE &amp; DIMENSIONS (mm):a)Total Length 2060mm, b)Total Width 950mm,c) Total Height 800mm, d) Seating Area Width 520mm,e) Seating Area Length 1450mm, f) Seating Area Height from Ground 370mm,g) Arm Height 250mm, h) Arm Length 410mm,i) Back Height from Arm 180mm, j) Back Width 350mm,k) arm Width 290mm, l) Leg Height 35mm,m) Length between Legs 1650mm, n) Width between Legs 520mm,Sofa upholstered with Leatherite finish.Frame Material of tropical seasonal hard wood particle board.Seat and Back foam 28 D - POLYURETHANE SLAB STOCK FOAM WITH 1" RECRON LAYER,BELT MATERIAL:NYLON, 2", 3".LEG MATERIAL:MDF WOODEN FASCIAWITH MELAMINE COATING.</p>	Nos	1		
5	<p><b>1 Seater Sofa :</b>NOMENCLATURE &amp; DIMENSIONS (mm):a)Total Length 1050mm, b)Total Width 950mm,c) Total Height 800mm, d) Seating Area Width 520mm,e) Seating Area Length 480mm, f) Seating Area Height from Ground 370mm,g) Arm Height 250mm, h) Arm Length 410mm,i) Back Height from Arm 180mm, j) Back Width 350mm,k) arm Width 290mm, l) Leg Height 35mm,m) Length between Legs 645mm, n) Width between Legs 520mm,Sofa upholstered with Leatherite finish.Frame Material of tropical seasonal hard wood particle board.Seat and Back foam 28 D - POLYURETHANE SLAB STOCK FOAM WITH 1" RECRON LAYER,BELT MATERIAL:NYLON, 2", 3".LEG MATERIAL:MDF WOODEN FASCIAWITH MELAMINE COATING.</p>	Nos	2		




6	<p><b>1) UNDERSTRUCTURE ASSEMBLY:</b> the understructure is an assembly of tubular frames made of M.S. E.R.W. oval tubes of 3.5cm. X 1.5cm. X 18BG.thk. held together with perforated M.S. shelf + threaded nuts + m/c.screws. The ends of the tubular frames are fitted with rubber studs at the top and the bottom. The top studs are fitted with PVC vacuum pads for mounting and gripping the glass top. The tubular frames are black powder coated.</p>					
	<b>2) CENTRE-PIECE TOP (for all Models):</b> The centrepiece top is made from 0.95cm. thick Float glass with rounded corners.					
	<b>Corner Table TOP SIZE: 55.0cm. (W) X 55.0cm. (D)</b>	Nos	1			
	<b>Center Table Top SIZE: 80.0cm. (W) X 55.0cm. (D)</b>	Nos	1			
	3) SHELF : It is a fabricated assembly made by 0.5cm. thk. Perforated M.S. sheet welded to M.S.sq. pipe 1.5cm. X 1.5cm. X 14 BG thick with 0.3cm thick HR. steel plates on Nos side for fixing understructure assembly. The shelf assembly is black powder coated.					
7	<p><b>Vertical Filing Cabinet (4 drawers):</b>Width: 470mm Height: 1320mm Depth: 620mm,Rigid Knock Down Construction,Material of CRCA 0.7 mm Thick (Top, Side &amp; Drawer Front); 0.6 mm Thick (Frames, Drawer- Inside Cover, Side Back Side) 0.5mm Thick (Back, Bottom, Drawer Bottom)Drawer front:Easy to grip Full length Handle recess integrated into Metal Drawer fronts.Label Holder:Snap on type plastic label holder on Drawer Fronts.Drawer Size &amp; Files type:For hanging 'Ezee' / 'Visa' files (Foolscape) from front to back (Files Along the Width),No. of 20 mm thk file which can be hanged in above way per drawer is 28.Locking &amp; anti-tipping arrangement:Centralized locking with 10 lever Cam Lock &amp; having anti-tipping arrangement to ensure that when one drawer is opened for use, it does not allow other drawers to be opened.Slide:High quality precision ball slide. Drawer Load: 40 kg. UDL for 75,000 cycles (BS),Triangular Plate:Plain Triangular plate pop riveted at the bottom corners for rigidity. Finish:Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10).</p>	Nos	1			
		<b>Total</b>				

	<b>Waiting Lounge</b>					
1	<b>Three Seater Sofa Size: 1830mmWX775mmDX745mmH and ST HT: 415mm</b>	Nos	2			
2	<b>Two Seater Sofa Size: 1257mmWX775mmDX745mmH and ST HT: 415mm</b>	Nos	4			
	The sofa is a lounge seating system standing on beam with side frame assemblies. It is available in three different models:1-seater,3-seater					
	1) <b>LH/RH SIDE FRAME:</b> The LH/RH side frame is fitted to the two ends of the ST/BK mounting frame to form the leg assembly. It is made of MS. E.R.W. tube dia 4.44 cm. (1.75") x 14 BG. thk and chrome plated.					
	2) <b>ST/BK MOUNTING FRAME:</b> The ST/BK mounting frame assy. holds the two side frames together. The mounting frames, 2nos are used to connect the side frames. The mounting frame is made of MS. E.R.W. tube dia.5.08cm. (2") x 10BG thk. black painted. The ST/BK is mounted on 14 BG thk 2cm x 4cm Recta tube which are welded on the beam of ST/BK mounting frame.					
	3) <b>ST/BK ASSEMBLY:</b> The ST/BK assembly consists of 12mm thk plywood insert with Polyurethane foam having density = 45 +/- 2 Kg/cm3 and hardness of the P.U. foam = 18 to 22 Kg on Hampden m/c for 25% compression of the foam. The complete moulded ST/BK assembly is covered with a replaceable fabric upholstery cover.					
	4) <b>BOTTOM SHOES:</b> The side frames are fitted with front and rear bottom shoes made of injection moulded polypropylene.					
	5) <b>CHROME PLATING:</b> All external surfaces are chrome-plated and withstand min of 100hrs in salt spray test.					
	6) <b>FABRIC (VELVETINE PLUS):</b> Velvetine plus is a stain repellant fabric. The velvet fabric can be vacuum cleaned in order to remove dirt & grit from the fabric surface. Upholstery covers made from Velvetine fabric should not be soap washed or dry cleaned.					
	STANDS TALL					
	We strongly believe that there is a huge potential for "Premium Quality" lounge seating in modern offices.Lounge seating is our response to this growing market of Lounge seating. The lounge seating range (1, 2 & 3 seater) gives the flexibility to choose and install product to suit the interior space.					
	<b>Centre and Corner Table</b>					
3	1) <b>UNDERSTRUCTURE ASSEMBLY:</b> the understructure is an assembly of tubular frames made of M.S. E.R.W. oval tubes of 3.5cm. X 1.5cm. X 18BG.thk. held together with perforated M.S. shelf + threaded nuts + m/c.screws. The ends of the tubular frames are fitted with rubber studs at the top and the bottom. The top studs are fitted with PVC vacuum pads for mounting and gripping the glass top. The tubular frames are black powder coated.					
	2) <b>CENTRE-PIECE TOP (for all Models):</b> The centrepiece top is made from 0.95cm. thick Float glass with rounded corners.					
	<b>Corner Table TOP SIZE: 55.0cm. (W) X 55.0cm. (D)</b>	Nos	2			
	<b>Center Table Top SIZE: 80.0cm. (W) X 55.0cm. (D)</b>	Nos	4			
	3) <b>SHELF :</b> It is a fabricated assembly made by 0.5cm. thk. Perforated M.S. sheet welded to M.S.sq. pipe 1.5cm. X 1.5cm. X 14 BG thick with 0.3cm thick HR. steel plates on Nos side for fixing understructure assembly. The shelf assembly is black powder coated.					
		<b>Total</b>				

FACULTY/STAFF ROOM					
1	<p>Workstation for Faculty &amp; Staff with Partition(size 1650mm X 600mm):Providing and placing modular tile based system with nominal thickness of 50 mm, wherein the system takes care of the functional,ergonomic, aesthetical requirements. The trim width is 56.5 mm and the thickness of panel after fitting the tiles on frame is 52 mm.It should have main structure of combination of frames varying in heights from 2.5 feet to 5.5 feet and widths varying from 1.0 foot to 5 feet. The frame comprises of 2 vertical uprights, a top horizontal tube and a bottom C channel as a welded structure. It should have s Vertical upright made from 1.5mm thick CRCA M.S. Grade D formed into "C" channel of 28.4 X 40. The top horizontal is a 1.2 mm thick M.S. tube of 25.4 X 25.4 mm (1 X 1 inch).The bottom horizontal is a 1.5 mm thick M.S. 'C' channel of size 38.1mm x 25.4 mm (1 ½ in x 1 in).The frame is powder coated in standard black colour. The pitch for mounting the brackets on the upright is 25.4 mm. The rectangular slot for wires on the upright is 60mm (H) x 18 mm (W), 1 no. at the bottom and 2 nos. at the intermediate level wherein Nos slot can allow 9 power cables of Dia.10 or 32 data cables of Dia. 6. The bottom horizontal would also have 2 slots for carrying wires, which are of the size 100mm (L) X 20mm(W) for wire carrying.Fabric Magnetic Tile Fabric magnetic tiles are 0.6 mm thick GI Sheet metal tiles, which are fabric upholstered.Fabric Tackable tiles are fabric upholstered metal tiles in 0.6 mm thick GI Sheet, with P.E. foam in the tile for tackability.Metal fascia is powder coated, in 0.8 mm thick M.S. CRCA Grade D as per IS:513 -1994, which is mounted with a hook at bottom and Snap fit button on top (BLACK). These can be provided at the bottom level as well as at the beltline level above or 6" below the worksurface. The fascia could be with or without cutouts for mounting of switches. The switches should be mounted 50 mm from the edge of the fascia.Flat Top Trims are fitted with Flat Trims of 56.5 mm X 10.5mm and average wall thickness of 1.0 mm. These trims are made from Powder coated aluminum alloy (of grade He-9 – 63400) extrusions. The trims are fitted on the top horizontal using M6 X 35L Nut-bolts and the open vertical ends of the upright using M6 X 25L Bolt &amp; Nut.Joinery Trims:The open vertical joineries for the configurations of 2 way and 3 way 90 degree will be covered with 2 way 90 degree (square type) and 3 way 90 degree aluminum alloy (of grade He-9 – 63400) vertical trims of 1.2 mm average wall thickness, which will be powder coated and press-fitted onto the universal connector made of 2.0mm thick M.S. using the 0.5mm thick spring steel snap fit clip.Worktop 25 mm thick prelaminated (with PVC lipping) - Work top shall be made of 25mm thick Prelaminated particle board (As per IS:12823). All the edges of work surface shall be provided with machine pressed 2 mm thick PVC lipping glued with hotmelt EVA glue.Accessories: Ino 3 drawer pedestal with one no KBPT and CPU Trolley.</p>	Nos	7		
2	<p><b>Main Chair:SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2+/- .2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam is designed with contoured lumbar support for extra comfort. back size:49.0cm(W)x47.0cm(H) seat size: 49.0cm.(W) x 44.0cm.(D),POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/-2 kg/m 3and Hardness = 20 +/- 2 on Hampden machine at 25% compression.ARMRESTS: The armrest tops are injection moulded from black Polypropylene. They are fitted to tubular armrest supports made of Dia.2.54cm. (1") x 14 BG M.S.E.R.W. Tube and black powder coated. The tubular armrest supports hold together the seat and back. CENTRE PIVOT MECHANISM: The centre pivot mechanism is designed with the features -360° revolving type -17° maximum tilt on pivot at center -Tilt tension adjustment -Upright locking PNEUMATIC HEIGHT ADJUSTMENT : The pneumatic height adjustment has an adjustment stroke of 9.0 cm. TELESCOPIC BELLOW ASSEMBLY: The bellow is 3 piece telescopic type and injection moulded in black Polypropylene. PEDESTAL ASSEMBLY: The pedestal is fabricated from 0.2cm. thick CR steel, powder coated and fitted with an injection moulded black Polypropylene hub cap and 5 nos. twin wheel castors.(castor wheel dia. 5.0cm.) The pedestal is 60.0cm. pitch-centre dia. (70.0 cm with castors). TWIN WHEEL CASTORS: The twin wheel castors are injection moulded in Black Nylon.</p>	Nos	8		
3	<p><b>Visitors Chair:SEAT/BACK ASSEMBLY:</b> The seat and back are made up of 1.2+/- .2 cm thick hot pressed plywood, upholstered with fabric and moulded Polyurethane foam with PVC lipping all around. The back foam is designed with contoured lumbar support for extra comfort. back size: 49.0cm.(W) x 47.0cm.(H) seat size: 49.0cm.(W) x 44.0cm.(D),POLYURETHANE FOAM: The polyurethane foam is moulded with density = 45 +/-2 kg/m3 and Hardness = 20 +/- 2 on Hampden machine at 25% compression. TUBULAR FRAME : The tubular frame is cantilever type &amp; made of Dia.2.54cm.(1")x 14 BG M.S. E.R.W. tube and black powder coated.</p>	Nos	16		
4	<p><b>Steel Almira – Small</b> Supplying and placing steel almira small of size: 1270mm (H) x 765mm (W) x 440mm (D). The Almira shall be made of prime quality CRCA steel of IS-513 1994 Grade 'D' quality. Panels and front frame shall be 0.9mm thick &amp; shelf &amp; back panel shall be 0.8mm thick. The drawer front shall be provided with chrome finished Handle cum Cam Lock having 3 way locking mechanism with shooting bolt mechanism. The construction shall be multi bend construction having interlocking design and full length over lapping doors and side. Two adjustable shelves shall be provided for making 3 compartments. Door shall be steel hinged door</p>	Nos	7		
		Total			
STORE ROOM					



1	<p>Slotted Angle Rack: Height 6 feet, Width 3 feet, Depth 18 inches (448 mm ) , Load per Level 80 kg UDL, 5 Panels per unit. Open type Rack.The Multiflex system consists of : - Angle,Decking Panel,Corner plate,Nuts &amp; Bolts. Angles: Material Specs of Angles is as per IS 10748. The thickness of the angles when made from sheet steel shall be 1.6 mm. Angles shall be of rolled formed construction and free from twist, sharp edges and burrs. Angles shall have holes provided at a pitch of 19.05mm. The holes shall start at 19 mm centers from Nos end.Size of the Angles should be 35 mm x 35 mm x 1.6mm</p> <p>Panels: Material specs IS 10748 / IS5986- Fe 410</p> <p>Panels will be 6 bend panels and shall be made from mild steel sheets not less than 0.8 mm in thickness with lipped flanges. Width of flange being 31mm and depth of lip 17mm. The panels will have 9mm holes for corner plates.Size of the Panels is 905 W x 371 D x 0.8 mm thk. Will have 6 bends &amp; get bolted to the Angles at Nos of the four corners according to Minimum of 100 Kg load per level.</p> <p>Corner Plates (Gussets): Material Specs IS 513D.</p> <p>8 Corner Plates, four on Nos face shall be fitted to the open type rack. Four corner plates shall be fitted to the front face in case of closed type racks. They shall be made of mild steel sheet and be provided with a black powder coated finish. Corner Plates of 1.6 mm thickness to be provided for ensuring rigidity of the structure.</p> <p>Nuts &amp; Bolts:All fasteners like nuts, bolts, clips etc shall be supplied in galvanised condition for protection against environment and corrosion</p>	Nos	21			
		Total				
	<b>LOCKERS</b>					
1	<p>One 2 Door Locker Unit base + two nos 2 add on with hangers (Boys Locker):Product Size: 1140mm(W) x 450mm(D) x 1830mm(H) Stackability The add-on units can be stacked width wise to form bank of lockers having common side panel.Locking:10 Lever cam lock with lock lever: Option of hasp arrangement. Material: CRCA 0.6mm Thickness. Construction: Rigid knockdown construction. Shelf Uniformly Distributed Load Capacity per Nos shelf level is 35 Kg maximum.Finish: Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10).Handle / Label holder · Aesthetically appealing Snap fit ABS plastic handle.Plastic label holder for identification. Ventilation Attractive punched pattern for ventilation. Accessories (Optional) Stand – 125 mm High inclusive of Leveler.</p>	Nos	25			
		Total				
	<b>TUTORIAL ROOM : SEATING CAPACITY – 30 (1 ROOMS)</b>					
1	<p><b>2 Seater Student Desk cum Bench of size1100mmWX915mmDX744mmH:</b>Ergonomically designed and study classroom furniture: Top of Seat and Backrest: The Panels have their corners rounded for safety in usage.The Panels are made from 18mm thk. Pre-laminated Boards with PVC Edge banding on all sides.Understructure made of 25.4 x 25.4mm x 1.25mm thk. Powder coated ERW tubes at base which are welded to the desk and seat supports that are made of 1.0mm thk. Powder coated MS 'C' Sections. Stiffeners are provided between the two vertical frames at base and back of seat, are made from 25.4 x 25.4 x 1.25mm thk. Powder coated ERW tubes. The tubes are closed with Plastic caps Additional horizontal supports of 0.8mm thk. Powder coated MS 'C' sections are placed below the desk and seat to add the rigidity to structure. The storage shelf is made from 0.8mm thk powder coated MS sheet which is affixed below the desktop. Hooks are provided on either sides of the vertical C-sections of the desk, for hanging bags/bottles.They are made from 6.0mm diameter MS rods.The desk is mounted on a plastic angular wedge for inclination to ensure comfortable writing posture. Level adjusters are provided to take care of unevenness in floor.</p>	Nos	15			
2	<p>Lecture Stand: Shall be given with pre laminated particle board with sunmica finish of size( 25"w x 23"d x 47"ht).</p>	Nos	1			

		Total			
	<b>Computer Lab</b>				
1	<p>Computer Stations: Size 900mmWX600mmDX900mmH Providing and placing modular tile based system with nominal thickness of 50 mm, wherein the system takes care of the functional, ergonomic, aesthetical requirements. The trim width is 56.5 mm and the thickness of panel after fitting the tiles on frame is 52 mm. It should have main structure of combination of frames varying in heights from 2.5 feet to 5.5 feet and widths varying from 1.0 foot to 5 feet. The frame comprises of 2 vertical uprights, a top horizontal tube and a bottom C channel as a welded structure. It should have s Vertical upright made from 1.5mm thick CRCA M.S. Grade D formed into "C" channel of 28.4 X 40. The top horizontal is a 1.2 mm thick M.S. tube of 25.4 X 25.4 mm (1 X 1 inch). The bottom horizontal is a 1.5 mm thick M.S. 'C' channel of size 38.1mm x 25.4 mm (1 ½ in x 1 in). The frame is powder coated in standard black colour. The pitch for mounting the brackets on the upright is 25.4 mm. The rectangular slot for wires on the upright is 60mm (H) x 18 mm (W), 1 no. at the bottom and 2 nos. at the intermediate level wherein Nos slot can allow 9 power cables of Dia.10 or 32 data cables of Dia. 6. The bottom horizontal would also have 2 slots for carrying wires, which are of the size 100mm (L) X 20mm(W) for wire carrying. Fabric Magnetic Tile Fabric magnetic tiles are 0.6 mm thick GI Sheet metal tiles, which are fabric upholstered. Fabric Tackable tiles are fabric upholstered metal tiles in 0.6 mm thick GI Sheet, with P.E. foam in the tile for tackability. Metal fascia is powder coated, in 0.8 mm thick M.S. CRCA Grade D as per IS:513 -1994, which is mounted with a hook at bottom and Snap fit button on top (BLACK). These can be provided at the bottom level as well as at the beltline level above or 6" below the worksurface. The fascia could be with or without cutouts for mounting of switches. The switches should be mounted 50 mm from the edge of the fascia. Flat Top Trims are fitted with Flat Trims of 56.5 mm X 10.5mm and average wall thickness of 1.0 mm. These trims are made from Powder coated aluminum alloy (of grade He-9 – 63400) extrusions. The trims are fitted on the top horizontal using M6 X 35L Nut-bolts and the open vertical ends of the upright using M6 X 25L Bolt &amp; Nut. Joinery Trims: The open vertical joineries for the configurations of 2 way and 3 way 90 degree will be covered with 2 way 90 degree (square type) and 3 way 90 degree aluminum alloy (of grade He-9 – 63400) vertical trims of 1.2 mm average wall thickness, which will be powder coated and press-fitted onto the universal connector made of 2.0mm thick M.S. using the 0.5mm thick spring steel snap fit clip. Worktop 25 mm thick pre-laminated (with PVC lipping) -Work top shall be made of 25mm thick Pre-laminated particle board (As per IS:12823). Worktop height shall be 750mm form ground. All the edges of work surface shall be provided with machine pressed 2 mm thick PVC lipping glued with hotmelt EVA glue. Accessories: !no 3 drawer pedestal with one no KBPT and CPU Trolley.</p>	Nos	30		
2	<p>1) <b>SEAT/BACK ASSEMBLY:</b> The seat and back are made from 1.0cm thk. hot pressed water resistant, commercial plywood upholstered with P.U. foam and fabric.</p> <p style="text-align: center;">BACK SIZE: 42.0cm.(W) x 27.0cm.(H)</p> <p style="text-align: center;">SEAT SIZE: 42.0cm.(W) x 42.0cm.(D)</p> <p>2) <b>POLYURETHANE FOAM:</b> The Polyurethane foam is moulded with density = 45 +/-2 kg/m<sup>3</sup> and Hardness = 20 +/- 2 kg. on Hampden machine at 25% compression.</p> <p>3) <b>UNDERSTRUCTURE ASSEMBLY:</b> The assembly is a mainframe made of dia. 2.54cm. (1") x 14 BG M.S. E.R.W. tube. and a welded leg tube made of dia. 2.54cm. (1") x 18 BG M.S. E.R.W. tube to the form the complete assembly which is black powder coated.</p>	Nos	30		
3	Lecture Stand: Shall be given with pre laminated particle board with sunmica finish of size( 25"w x 23"d x 47"ht).	Nos	1		
		<b>Total</b>			
			<b>GRAND TOTAL</b>		