

Annexure I/अनुलग्नक I

Specification required for purchase of furniture for NIFT Panchkula at Sector 23, Panchkula

Bidder Name :	Specificaion required	Specification offered	Certification available
Sl. No.	Item Description		
1	2		
1	Table and Chairs for Drawing Studios		
2	<p>Drawing table 1500 X 750 X 750 The system shall be a desk-based system with a platform understructure made up of a combination of MS. Tubes and plates.Understructure - Cello legs are fabricated combination of 1.2 mm, 2 mm thick CRCA and 3 mm, 5 mm thick HR. This leg has inclination in one plane; it has a ball socket M8 leveller with bottom translucent cap that allows adjustment up to 50 mm height.The leg has an extrusion cover made of Aluminum alloy which can have different color.Leg Modesty - Perforated metal modesty in between are connected to the understructure with the help of PDC Connectors to provide a stable and sturdy base for the worktops. Modesty panel shall be of Metal 1.2 mm thick CRCA. The modesty terminates at 215 mm from ground.Worktop - Worktop shall be made of 25MM thick Pre-Laminated Board conforming to IS: 12823. All the edges of work surface shall be provided with machine pressed 2 mm thick PVC lipping glued with hot melt EVA glue. The worktop shall be complete with provisions for screen mounting as well as for wire management on the workstation. Provisions for fixing of the switches shall be on the wire tray/channel. Access flaps with soft closing technology shall be provided on the table tops to access the switch points on the tray. Rectangular worktop of size 1500mm W X 600mm D.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. The item is required for 7 studios, each studio to be equipped with 45 tables and chairs. SAMPLE REQUIRED</p>		
3	<p>Chairs The seat and back are made uo injection moulded high impact strenght polypropylene polymer compound with indoor graade UV Resistance. The Powder coated (DFT50+ microns) weled tubular frame is made from 2.22 + 0.03 cm x 0.16+/- 0.0128cm and 3.5+/- 0.03 cmx1.5+/-0.03 cm x 0.16 +/- 0.0128 cm M.S.E.R.W tubThe Shoes are made of high impact strenght polypropylene polymer compund with indoor grad UV Resistance and pressed fitted with tubularfram. SIZE : (W) 52.5cm * (D) 55.8cm * (H) 84.5cm *(seat H) 45.0 cm Seat Size 52.5cm(W)*53.2 cm(D) Back Size 51.6 cm(W)*40.5 cm (H). OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. The item is required for 7 studios, each studio to be equipped with 45 tables and chairs. SAMPLE REQUIRED</p>		
4	Class Room Table and Chairs		
5	<p>Classroom Table Modular table (1200 X 600 X 900) With CPU Trolley and KBPT Providing and placing spine and fin based modular table, with partition thickness as 52.4 mm thk and ht - 900 including powder coated aluminium trims. FIN: out of 22.5 mm thk panel formed out of blocks which are 18 mm thk PLB boards wrapped with laminate at intermediate level. Top block finished in fabric finish. Bottom block is finished in metal Tiles on main spine: Combination of top tiles are fabric/fabric tackable tile. Bottom tiles - Plain metal.INTERMEDIATE BLOCKS on main spine Intermediate blocks are given in DL + DL finish. Wire Management through main spine- Wires shall be taken into the system through cable ducts from the junction boxes and it is carried upto the panels through concealed conduits inside the blocks. Legs - Metal powder coated legs at the end and shared condition. System shall also have 120 mm high powder coated standalone panel legs to give the system an elevated look. Worksurface - out of 25 mm thk MDF board with flat pvc lipping edge banding of size 1200 mm w x 600 mm d. CPU trolley - with castors KBPT with mousetray - metal Note: All partitions and side panels have levelling screws for adjustment in case of Uneven floor to take care of +/- 40 mm of uneven flooring. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. The item is required for 4 classrooms, each classroom to be equipped with 45 workstations and chairs. SAMPLE REQUIRED</p>		
6	<p>Classroom Chairs with armrest The seat and back shall be made up of 1.2 ±0.1cm. thick hot-pressed plywood and upholstered with fabric upholstery covers and moulded Polyurethane foam. The back foam shall be designed with contoured lumbar support for extra comfort. The seat shall be extra thick foam on front edge to give comfort to popliteal area. The dimensions of back shall be 47.5 cm(W) x 58.0 cm(H) and of seat shall be 47.0 cm (W) x 48.0 cm (D). The HR polyurethane foam shall be moulded with density= 45±2 kg/m3 and hardness load 16 ± 2 kgf as. per IS:7888 for 25% compression. The tubular frame shall be cantilever type & made of dia 2.54±0.03cm. x 0.2 ±0.016cm.thk. M.S. E.R.W. tube and black powder coated (DFT 40-60 microns). The one-piece armrests shall be injection moulded from black Co.polymer Polypropylene. Overall Dimensions of Chair shall be Seat Height - 46.5cm, Height - 89.5cm, Width & Depth of Chair as measured from pedestal - Width-61.4 cm and Depth-64.5 cm.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. The item is required for 4 classrooms, each classroom need to be equipped with 45 workstations and chairs.SAMPLE REQUIRED</p>		

7	<p>Classroom Chairs with foldable writing pad The seat and back are made up of injection moulded high impact strength polypropylene polymer with indoor grade UV resistance. The dimensions of Back shall be 51.6cm. (W) X 40.5cm. (H) and of seat shall be 52.5cm. (W) X 53.2cm. (D). The powder-coated (DFT 40-60 microns) frame structure shall be made of 3.5±0.03cm x 1.5±0.03cm x 0.16±0.0128cm thk M.S. E.R.W. tube and welded connecting tube made of dia 2.22±0.03cm x 0.16±0.0128cm thk M.S. E.R.W. SQUARE tube to form the Mainframe assembly. The shoes are made of high impact strength polypropylene polymer compound with indoor grade UV resistance and pressed fitted with tubular frame. The paper tray is made of dia 0.4 +/- 0.005cm M.S. rod which is spot welded to form a mesh type structure. It is powder coated(DFT 50+/-10 microns). The size of the tray is 40.1 (W) x 36.1 (D) x 22.0 (H) cm. The item is required for 1 MDes studio on first floor. 30 such chairs are already available in temporary campus, 15 more required. SAMPLE ALREADY AVAILABLE</p>		
8	Lab		
9	<p>Wooden Table for Lab Wooden Table (2400 LX 900 W X 750 Hight). Made of Hard Wood . Thickness of Table top. 38 mm. Understructure Made of Hard Wood without modesty four leg. Wooden tables are required for 45 students, but due to space constraints the dimensions of the tables are customized according to the loom size, so that two looms can be accommodated on one table and the requirement if fulfilled. 30 tables will be used in weaving lab and 6 tables in Surface Ornamentation lab.</p>		
10	<p>Tables for Testing Lab and Material Wing of RC Table 1800 W size shall be 1800 Width mm x 900 Depth mm x 740 Height mm . The top shall be 25 mm thick PLB with 2 mm thick PVC Edge Beading plus the Understructure shall be having C - Frames 1.6 mm thick MS supporting the top . The Legs shall be of dia. 38.1 x 1.6 mm thick MS ERW tube . OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. 25 tables are required in textile testing lab and 15 in Design studio of RC.</p>		
11	<p>Chairs for Weaving Lab, Testing Lab and Surface Ornamentation Lab The seat and back are made up of injection moulded high impact strength polypropylene polymer compound with indoor grade UV Resistance. The Powder coated (DFT50+ microns) welded tubular frame is made from 2.22 + 0.03 cm x 0.16+/- 0.0128cm and 3.5+/- 0.03 cm x 1.5+/-0.03 cm x 0.16 +/- 0.0128 cm M.S.E.R.W tube. The Shoes are made of high impact strength polypropylene polymer compound with indoor grade UV Resistance and pressed fitted with tubular frame. SIZE : (W) 52.5cm * (D) 55.8cm * (H) 84.5cm *(seat H) 45.0 cm Seat Size 52.5cm(W)*53.2 cm(D) Back Size 51.6 cm(W)*40.5 cm (H). OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for 3 labs, 45 students in each lab</p>		
12	<p>Workstations for 04 IT Labs Modular table (1200 X 600 X 900) With CPU Trolley and KBPT Providing and placing spine and fin based modular table, with partition thickness as 52.4 mm thk and ht - 900 including powder coated aluminium trims. FIN: out of 22.5 mm thk panel formed out of blocks which are 18 mm thk PLB boards wrapped with laminate at intermediate level. Top block finished in fabric finish. Bottom block is finished in metal Tiles on main spine: Combination of top tiles are fabric/fabric tackable tile. Bottom tiles - Plain metal. INTERMEDIATE BLOCKS on main spine Intermediate blocks are given in DL + DL finish. Wire Management through main spine- Wires shall be taken into the system through cable ducts from the junction boxes and it is carried up to the panels through concealed conduits inside the blocks. Legs - Metal powder coated legs at the end and shared condition. System shall also have 120 mm high powder coated standalone panel legs to give the system an elevated look. Worksurface - out of 25 mm thk MDF board with flat pvc lipping edge banding of size 1200 mm w x 600 mm d. CPU trolley - with castors KBPT with mouse tray - metal Note: All partitions and side panels have levelling screws for adjustment in case of Uneven floor to take care of +/- 40 mm of uneven flooring. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Four IT labs on third floor, 45 students in each lab</p>		
13	<p>Chairs for 04 IT Labs The seat and back shall be made up of 1.2 ±0.1cm. thick hot-pressed plywood and upholstered with fabric upholstery covers and moulded Polyurethane foam. The back foam shall be designed with contoured lumbar support for extra comfort. The seat shall be extra thick foam on front edge to give comfort to popliteal area. The dimensions of back shall be 47.5 cm(W) x 58.0 cm(H) and of seat shall be 47.0 cm (W) x 48.0 cm (D). The HR polyurethane foam shall be moulded with density= 45±2 kg/m³ and hardness load 16 ± 2 kgf as. per IS:7888 for 25% compression. The tubular frame shall be cantilever type & made of dia 2.54±0.03cm. x 0.2 ±0.016cm.thk. M.S. E.R.W. tube and black powder coated (DFT 40-60 microns). The one-piece armrests shall be injection moulded from black Co.polymer Polypropylene. Overall Dimensions of Chair shall be Seat Height - 46.5cm, Height - 89.5cm, Width & Depth of Chair as measured from pedestal - Width-61.4 cm and Depth-64.5 cm.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Four IT labs on third floor, 45 students in each lab</p>		

14	<p>Revolving Stools with backrest for 02 PM Labs Revolving Stool Mechanical With Back Support The seat shall be made up of 1.2±0.1cm thick flat plywood and with moulded Polyurethane foam and are upholstered with replaceable synthetic leather covers. The dimensions of Seat shall be Diameter 40.0 cm and Adjustments are 360° Revolving type. The back foam shall be designed with contoured Lumbar support for extra comfort. The upholstery shall be available in synthetic leather. The dimensions of Back shall be 45.0 cm (W) covered with polyurethane foam. The HR polyurethane Foam shall be moulded with density = 45 +/-2 kg/m3 and Hardness load 16 ± 2 kgf as per IS:7888 for 25% compression. The manual height adjustment shall be very easy to operate with a help of a knob. It should be easily locked at the most comfortable position. The five-prong pedestal shall be fabricated from 0.2 ± 0.02 cm thick HR sheet (IS : DD 1079/ HR), Powder coated (DFT 40-60 microns) and shall be fitted with an injection moulded black Polypropylene Hub Cap and 5 nos. twin wheel castors. The pedestal shall be 55.0±0.5cm pitch-circle diameter (65.0±1.0cm with castors). Circular-foot-ring of dia 52.0±0.2cm shall be made up of 01.9±0.2 x 0.12±0.0096cm thk MS ERW Tube for foot support in High-base stool. The twin wheel castors shall be injection moulded in Black Nylon. Overall dimensions shall be Width- 65.0cm, Depth- 65.0 cm, Seat Height- 45.0 to 56.5cm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Two Pattern Making labs with 45 students in each lab. Total requirement is of 90 stools, but 30 are already available in temporary campus. (SAMPLE ALREADY AVAILABLE)</p>		
15	<p>Revolving Stools for 02 GC Labs Lab Stool. Understructure made of Round pipe.Drive type Adujustable Seat. Seat made of Pastic having low back support.Height of the Seat from Ground: 16 Inches.Adujustable upto 6 inches. Width of Seat should be 14 inches and depth of Seat should be 18 inches. Two Garment construction labs with 45 students in each lab. 10 additional stools are required for the machines to be used on sharing basis by the students. SAMPLE REQUIRED</p>		
16	<p>Faculty Table/ Chairs/Almiarh for Classrooms and Labs</p>		
17	<p>Faculty Tables for Classrooms Table Size 1650 X 750 X 750 mm . Size of Work Surface 1650 X 750 -Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Gromet provided on work surface for wire management. Modesty Panel-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Under-structure-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping.Hinge Door Storage-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shadeconfirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping.Handle is provided for ease of opening. Storage is provided with cam lock for security.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Total 28 faculty tables are required in each classroom and lab.</p>		
18	<p>Tables for Lab Assistants Table Size 1350 X 600 X 750 mm.Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Gromet provided on work surface for wire management Modesty Panel Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Under-structure Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Hinge Door StorageMade of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Handle is provided for ease of opening. Storage is provided with cam lock for security. OEM should have the quality and Safety Certifictions like ISO 9001:2015, ISO 14001:2015 and OHAS 45001:2018 . Total 7 labs, tables for lab assistants are required.</p>		

19	<p>Chairs for Classrooms and Labs (for Faculty and Lab Assistants)</p> <p>Mid Back Mid back Chair Seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and molded high resilience polyurethane foam of density 45±2 kg/m³, and hardness load 16 ± 2 kg. for 25% compression. the stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with institutional molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette. seat size: 47.0 cm. (w) x 48.0 cm. (d) back size: 45 cm. (w) x 60.5 cm. (d) armrests the armrest top should be molded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps. The armrest structure should be powder coated (dft 40-60 micron).active bio-synchro mechanism (fu3401/3402): the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2 • the mechanism housing should be made up of hpdc aluminum black powder coated. Seat depth adjustment seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back support back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. Pneumatic ht. adjustment the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. 9) twin wheel castor : 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. Seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and moulded high resilience polyurethane foam of density 45±2 kg/m³,and hardness load 16 ± 2 kgf for 25% compression. The stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette.seat size : 47.0 cm. (w) x 48.0 cm. (d) back size : 45 cm. (w) x 60.5 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron).active bio-synchro mechanism (fu3401/3402): the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2 • the mechanism housing should be made up of hpdc aluminium black powder coated.seat depth adjustment seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back supportback frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need.pneumatic ht. adjustment the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. 9) twin wheel castor : 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Chairs with 28 faculty tables and 7 lab assistant tables.</p>		
20	<p>Steel Almira for Labs</p> <p>Almira shall have an overall size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The Storvel Plain should have a Mazak handle and Three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Almiras for storage are required in labs.</p>		
21	<p>Director Room Furniture at First Floor</p>		
22	<p>Executive Table for Director's Room</p> <p>Executive Table Size 2350x2350x750 Primary Work Surface- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Secondary Work Surface- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.Modesty Panel- Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Understructure- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping.Integrated Pedestal- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Drawer fronts made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top Pedstal construction is BOX-BOX-FILE type which Uses powder coated 400 MM long metal Panel Drawer Slides. Drawer extension is 325 MM. Drawers have a soft closing & anti slam mechanism. Handles are provided for ease of opening. Pedestal is provided with lock for security. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
23	<p>Display Back Unit 2350x500x1800Top Panel-Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.Slide Door Unit-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping for body panels like side, bottom,back and shelves.Shutters are made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Shutters have a soft closing & anti slam mechanism. Handles are provided for ease of opening.Storage is provided with lock for security. Display/Storage Unit-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping for body panels like side,back and shelves.Doors are made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.Top panel of display unit Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		

24	<p>Executive Chair for Director High Back Executive Chair seat/back assembly : the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with pure leather and moulded high resilience (hr) polyurethane foam of density 45±2 kg/m3,and hardness load 16 ± 2 kgf for 25% compression.the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with pure leather. seat size : 47.6 cm. (w) x 49.2 cm. (d)back size : 47.5 cm. (w) x 77 cm. (d) armrests: the armrest top should be moulded from polyurethane(pu), upholstered in pure leather and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk m.s e.r.w tube having chrome plated finish.the armrest height adjustable up to 6.5±0.5cm in 5 stepsactive bio-synchro mechanism: the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2 • the mechanism housing should be made up of hpdc aluminium black powder coated.4 seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need.pneumatic ht. adjustment: the pneumatic height adjustment has an adjustment stroke of 10.0±0.3 cm.pedestal assembly the pedestal should be high pressure die cast polished aluminium and fitted with 5 nos. twin wheel castors. the pedestal should be 65.0 ± 0.5cm. pitch-center dia.(75.0 ± 1.0cm. with castors.)twin wheel castors:the twin wheel castors should be injection moulded in black polypropylene. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
25	<p>Visitor Chair for Director's Room seat/back assembly : the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with pure leather and moulded high resilience (hr) polyurethane foam of density 45±2 kg/m3,and hardness load 16 ± 2 kgf for 25% compression.the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with pure leather. seat size : 47.6 cm. (w) x 49.2 cm. (d)back size : 46.5 cm. (w) x 59.5 cm. (d)visitor tubular frame: the tubular frame should be cantilever type and made of ø2.54± 0.03 cm x 0.02 ± 0.016cm thick ss 202 tube. the back should be connected to frame through chrome plated high pressure die case connector piece OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
26	<p>Premium Sofa 3 Plus 1 One Pus One (Five Seater) LEATHER/PVC/FABRIC:pu,pvc , FRAME MATERIAL:wood,foam,pu,pvc,sofa spring,flexible belt,pocket spring . SEAT FOAM: (DENSITY, TYPE):35#hard , BACK FOAM: (DENSITY, TYPE):35#soft. LEG MATERIAL:wood. Total Length of Single Seater 1020 mm Total Width 920 mm Total Height 950 mm Seating Area Width 510 mm Seating Area Length 580 mm) Seating Area Height from Ground 430 mm Arm Height 610 mm Arm Length 630 mm Back Height from Arm 320 mm Back Width 210 mm arm Width 210 mm Leg Height 70 mm Length between Legs 570 mm Width between Legs 440 mm.Total Length of three seater 1960 mm Total Width 920 mm Total Height 950 mm Seating Area Width 510 mm Seating Area Length 1550 mm Seating Area Height from Ground 430 mm Arm Height 610 mm Arm Length 630 mm Back Height from Arm 320 mm Back Width 210 mm arm Width 210 l Leg Height 70 mm Length between Legs 1520 mm Width between Legs 440 mm.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
27	<p>Steel Almirah size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The Storwel Plain should have a Mazak handle and Three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
28	<p>Center table Overall Size : Width : 120cm Depth : 60cm Height : 36.7cm Materials : All carcass panel are made of 18 mm prelaminated MDF BOARD with edge banding 1.5 mm thickness.Drawer bottom is made of .9 mm thick prelaminated MDF BOARD .Drawer front is made of 18 mm thick PU painted MDF . Legs : Rubber wood . Hardware : Hettich . Construction : Knock down .Finish : All 18 mm prelaminated MDF BOARD panels are Noce Versaillies with walnut edge band. PU lamination is high gloss in Ecr shade .Packets : 1 nos . Materials : All carcass panel are made of 18 mm prelaminated MDF BOARD with edge banding 1.5 mm thickness.Hardware : Hettich . Construction : Knock down .Finish : • All 18 mm prelaminated MDF BOARD panels are Noce Versaillies with walnut edge band . PU lamination is high gloss in Ecr shade .Packets : 1 nos.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
29	<p>Corner Table.Overall Size : Width : 60cm Depth : 60cm Height : 49.8cm Materials : All carcass panel are made of 18 mm prelaminated MDF BOARD with edge banding 1.5 mm thickness.Drawer bottom is made of .9 mm thick prelaminated MDF BOARD .Drawer front is made of 18 mm thick PU painted MDF . Legs : Rubber wood . Hardware : Hettich . Construction : Knock down .Finish : All 18 mm prelaminated MDF BOARD panels are Noce Versaillies with walnut edge band. PU lamination is high gloss in Ecr shade .Packets : 1 nos . Materials : All carcass panel are made of 18 mm prelaminated MDF BOARD with edge banding 1.5 mm thickness. Hardware : Hettich . Construction : Knock down .Finish : • All 18 mm prelaminated MDF BOARD panels are Noce Versaillies with walnut edge band . PU lamination is high gloss in Ecr shade .Packets : 1 nos.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		

30	<p>Table for Conference Room 2350 X 1150 X 740 (mm)8 Seater Meeting Table Work top-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Access panels provided with soft closing hinges. Understructure-The Under-structure consists of mixture of 25mm and 18mm Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Anodised aluminium alloy 63400 - WP profile is added at bottom edges for improving the aesthetics. The product has a knock-down construction. Wire Management-Bottom cabinet with door is provided for flow of wires and cables. Cutout provision below Access flap at four locations for standard 8 module Anchor Roma is provided. Beside each cutout, an additional cutout with plate is provided for mounting Audio Visual Cables (eg. HDML,VGA-A,etc). OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
31	<p>Mid Back Chairs for Conference Room Mid Back The cushioned seat assembly shall consists of seat outer(material-30% glass fiber nylon) and upholstered seat inner(material-polypropylene) with moulded polyurethane foam and polyester fabric. the net back should made up of back outer(material-glass fiber filled nylon) and back inner(material-PP) and upholstered using polyester mesh fabric with high tenacity yarn. Size of back shall be (W)-46.5cm, (H)-60.0cm & size of seat shall be (W)-51.0cm x (D)-49.0cm. High Resilience polyurethane foam shall be moulded with density 45+/-2 kg/m³ and hardness load 12+/-2 kgf as per IS:7888 for 25% compression. The support spine should made up of high pressure die cast polished aluminium. Armrest is having two adjustment, Height(6+/-0.5cm) and depth(6+/-0.5cm). Height adjustment shall be provided in aluminium structure of armrest which is connected to aluminium back spine and is operated with button. Armtop is made up of PU molded over plastic inner. The mechanism of chair shall have following features:360 degree revolving type, Seat/Back tilt ratio of 1:2, Active Bio-Synchro mechanism, 5 position tilt limiter giving option of variable tilt angle to the chair. Front-Pivot for tilt with feet resting on ground and continious lumber support should ensure more comfort. The mechanism housing should made up of HPDC Aluminium and black powder coated. The chair shall be provided with pneumatic height adjustment which shall have stroke of 10.0 +/- 0.3 cm. The pedestal shall be made of die-cast polished aluminium. it shall be fitted with 5 nos twin wheel castor. The size of the pedestal shall be 65.0 +/- 0.5 cm pitch-centre-dia (75.0 +/- 1.0 cm with castors). The twin wheel castors shall be injection moulded in black polypropylene. The lumbar support assembly should consists of lumber spine(material-glass fiber filled nylon) which is fixed to Aluminium back spine. The lumbar pad is fixed to lumbar spine through lumbar pad support. Lumbar support assembly shall have height adjustment of 5.0+/-0.5 cm. Overall dimensions of Chair shall be, Width of Chair - 70.5cm, Depth of Chair - 70.5 cm as measured from pedestal below. Height from ground - min 99.0 cm. Seat height - 49.0 cm. Dimensions tolerance / variations shall be within +/- 1 cm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for meetings in Director office with dignitaries/foreign delegates and other esteemed guests from industry.</p>		
32	Waiting Hall and Display Space on all floors		
33	<p>Two Seater Sofa Upperstructure shall be a single shell 1.2 ±0.1cm. thick hot pressed plywood. Dia 4mm zig-zag type assembly is mounted in the understructure for support and additional cushioning purpose. The seat is made up of PU foam with density 32+/-2 Kg/m³ having an additional top layer of PU foam with density 28+/-2 Kg/m³, upholstered with fabric. The back is made up of 28+/-2 Kg/m³ with additional top layer of PU foam with density 23+/-2 Kg/m³, upholstered with fabric. The leg is a welded assembly made up of stainless steel (grade SS 202) tube and plate. Overall Dimensions of Chair shall be Seat Height - 45.0 cm, Height - 82.0cm, Width & Depth of Chair as measured from pedestal - Width-146.0 cm and Depth-92.0 cm.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Some sofas will be used in waiting halls and some for setting-up on campus displays by the students of FP, TD, FD, FC, MFM and MDes. Intake of students is 45 in each departments. These sofas will be used on rotation basis by the students for display purpose.</p>		
34	<p>Three Seater Sofa. Upperstructure shall be a single shell 1.2 ±0.1cm. thick hot pressed plywood. Dia 4mm zig-zag type assembly is mounted in the understructure for support and additional cushioning purpose. The seat is made up of PU foam with density 32+/-2 Kg/m³ having an additional top layer of PU foam with density 28+/-2 Kg/m³, upholstered with fabric. The back is made up of 28+/-2 Kg/m³ with additional top layer of PU foam with density 23+/-2 Kg/m³, upholstered with fabric. The leg is a welded assembly made up of stainless steel (grade SS 202) tube and plate. Overall Dimensions of Chair shall be Seat Height - 45.0 cm, Height - 82.0cm, Width & Depth of Chair as measured from pedestal - Width-205.5 cm and Depth-92.0 cm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Some sofas will be used in waiting halls and some for setting-up on campus displays by the students of FP, TD, FD, FC, MFM and MDes. Intake of students is 45 in each departments. These sofas will be used on rotation basis by the students fro display purpose. SAMPLE REQUIRED</p>		
35	<p>Center Table. Glass shall be 12+/-0.3mm thick black tinted toughened glass UV glued with bushes made in SS 202 grade for fixing with understructure. It shall be a welded assembly made in SS202 grade having dia. 12+/-0.04 as per IS:1762. overall dimensions of table shall be Width of table= 112.0 cm, Depth=60.0 cm, height=35.1 cm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Some tables will be used in waiting halls and some for setting-up on campus displays by the students of FP, TD, FD, FC, MFM and MDes. Intake of students is 45 in each departments. These tables will be used on rotation basis by the students for display purpose.</p>		
36	<p>Corner Table (Glass) shall be 12+/-0.3mm thick black tinted toughened glass UV glued with bushes made in SS 202 grade for fixing with understructure. It shall be a welded assembly made in SS202 grade having dia. 12+/-0.04 as per IS:1762. overall dimensions of table shall be Width of table= 60.0 cm, Depth=60.0 cm, height=35.1 cm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Some tables will be used in waiting halls and some for setting-up on campus displays by the students of FP, TD, FD, FC, MFM and MDes. Intake of students is 45 in each departments. These tables will be used on rotation basis by the students for display purpose.</p>		
37	Meeting hall (Ground Floor)		

38	<p>Meeting Table 40 Seater Size of MODULAR MEM_2 STR END_RH 1350 X 600 X 740 (19 pcs) Size of Corner 850 X 850 X 740 90 APCWork Surface- 2 nos.Made of 36mm thick MDFone side pre laminate board conforming to IS14587: 1998 with 0.4mm PVC membrane pressed on to top and having chamfered edge. Plastic ABS access flap is provided for easy access to wires and cables. Work top is available in various shapes as shown above. Under-structure-The Under-structure consists of mixture of 25mm and 18mm Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Aluminium alloy 63400 - WP profile is used for connecting panels together.Modesty Panel-Made of 18mm Thick Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Powder coated accent metal strip provided below work surface to enhance aesthetics. It is made of 0.8mm CRCA as per IS 513.epoxy polyester powder coated (DFT 40-60 microns). Wire Management-An array of panels made of 0.8mm CRCA MS IS:513, epoxy polyester powder coated (DFT 40-60 microns) is used for flow of wires and cables. Provision to mount Anchor Roma 6 module plate is provided below worktop. Cutout on top with two piece injection moulded plastic part polymer component is fitted to pullout audio,video cables onto worktop and connect devices charger to power socket below worktop. Accessories Dsk 2 ay Name Plate, Dsk Mod Doc Shelf Dsk HDMI wire Man (One packet Contain 8 Qty)OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. For meeting with Staff/Faculty/ Industry Experts</p>		
39	<p>Mid back Chair Seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and molded high resilience polyurethane foam of density 45±2 kg/m3, and hardness load 16 ± 2 kg. for 25% compression. the stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with institutional molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette. seat size: 47.0 cm. (w) x 48.0 cm. (d) back size: 45 cm. (w) x 60.5 cm. (d) armrests the armrest top should be molded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps. The armrest structure should be powder coated (dft 40-60 micron).active bio-synchro mechanism (fu3401/3402): the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2 • the mechanism housing should be made up of hpdc aluminium black powder coated. Seat depth adjustment seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back support back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. Pneumatic ht. adjustment the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. 9) twin wheel castor : 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. Seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and moulded high resilience polyurethane foam of density 45±2 kg/m3,and hardness load 16 ± 2 kgf for 25% compression. the stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette.seat size : 47.0 cm. (w) x 48.0 cm. (d) back size : 45 cm. (w) x 60.5 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron).active bio-synchro mechanism (fu3401/3402): the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2 • the mechanism housing should be made up of hpdc aluminium black powder coated.seat depth adjustment seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back supportback frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need.pneumatic ht. adjustment the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. 9) twin wheel castor : 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
40	<p>High Back Revolving Chair seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and moulded high resilience polyurethane foam of density 45±2 kg/m3,and hardness load 16 ± 2 kgf for 25% compression.the stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette.seat size : 47.0 cm. (w) x 48.0 cm. (d) back size : 45 cm. (w) x 75.5 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron).active bio-synchro mechanism (fu3401/3402): the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2 • the mechanism housing should be made up of hpdc aluminium black powder coated.seat depth adjustment seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back supportback frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need.pneumatic ht. adjustment the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. 9) twin wheel castor : 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal.Overall Dimensions of Chair Seat Height - 44.4-54.4cm.Height - 113.6-131.1cm.Width-76.1 cm and Depth-76.1 cmm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		

41	<p>Visitor Chair.seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and moulded high resilience polyurethane foam of density 45±2 kg/m³,and hardness load 16 ± 2 kgf for 25% compression.the stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette.seat size : 47.0 cm. (w) x 48.0 cm. (d) back size : 45 cm. (w) x 60.5 cm. (d) visitor tubular frame: the powder coated (dft 40-60 micron) tubular frame should be cantilever type & made of 02.54±0.03 cm x 0.2±0.016 cm thk ms erw tube.the back connected to frame through powder coated (dft 40-60 micron) high pressure die cast connector piece.(D) Overall Dimensions of Chair-Seat Height - 44.8cm.Height - 99.5cm. Width-60.9 cm and Depth-64.3 cm OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
42	<p>Faculty cabin Furniture</p>		
43	<p>Executive Table for Faculty Executive Table with Side Return Unit of Size 1650x1950x750 .Primary Work Surface Size 1650 X 750 X 750 mm- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Secondary Work Surface- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Modesty Panel- Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Understructure- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Integrated Pedestal- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Drawer fronts made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top Pedstal construction is BOX-BOX-FILE type which Uses powder coated 400 MM long metal Panel Drawer Slides. Drawer extension is 325 MM. Drawers have a soft closing & anti slam mechanism. Handles are provided for ease of opening. Pedestal is provided with lock for security. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. SAMPLE REQUIRED.</p>		
44	<p>Back Unit 1650 X 750 1650x500x750 Top Panel-Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.Slide Door Unit-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping for body panels like side, bottom,back and shelves. Shutters are made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Shutters have a soft closing & anti slam mechanism. Handles are provided for ease of opening.Storage is provided with lock for security. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. SAMPLE REQUIRED.</p>		
45	<p>High Back Executive chair seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m³,and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d)back size : 46.6 cm. (w) x 75.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron). active bio-synchro mechanism:the adjustable tilting mechanism should be designed with the following features: 360° revolving type.o front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. tilt tension adjustment can be operated in seating position.5-position tilt limiter giving option of variable tilt angle to the chair. seat/back tilting ratio of 1 : 2. the mechanism housing should be made up of hpdc aluminium black powder coated. seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm.adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. pneumatic ht. adjustment: the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. pedestal assembly : the pedestal should be injection moulded in black 33% glass-filled nylon 66 and fitted with 5 nos. twin wheel castors. the pedestal should be 66.1±0.5 cm. pitch-center dia.(76.1±1.0 cm. with castors.) twin wheel castor: 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. SAMPLE REQUIRED.</p>		
46	<p>Visitor chair for Faculty Seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m³,and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d) back size : 46.6 cm. (w) x 59.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron). visitor tubular frame : the powder coated (dft 40-60 micron) tubular frame should be cantilever type & made of 02.54±0.03 cm x 0.2±0.016 cm thk ms erw tube.the back connected to frame through powder coated (dft 40-60 micron) high pressure die cast connector piece.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Three visitor's chair for one cabin</p>		

47	<p>Steel Almirah size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The Storwel Plain should have a Mazak handle and Three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
48	<p>Glass Door Almirah size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The glass door storwel shall have a brass handle and a 2 way locking mechanism with shooting bolt . It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
49	<p>Two Seater Sofa Two Seater Sofa Upperstructure shall be a single shell 1.2 ±0.1cm. thick hot pressed plywood. Dia 4mm zig-zag type assembly is mounted in the understructure for support and additional cushioning purpose. The seat is made up of PU foam with density 32+/-2 Kg/m3 having an additional top layer of PU foam with density 28+/-2 Kg/m3, upholstered with fabric. The back is made up of 28+/-2 Kg/m3 with additional top layer of PU foam with density 23+/-2 Kg/m3, upholstered with fabric. The leg is a welded assembly made up of stainless steel (grade SS 202) tube and plate. Overall Dimensions of Chair shall be Seat Height - 45.0 cm, Height - 82.0cm, Width & Depth of Chair as measured from pedestal - Width-146.0 cm and Depth-92.0 cm.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. 36 sofas for faculty cabins, remaining 6 sofas will be placed in the faculty lounges on ground floor, first floor and third floor as per the space availability.</p>		
50	<p>Three Seater Sofa. Upperstructure shall be a single shell 1.2 ±0.1cm. thick hot pressed plywood. Dia 4mm zig-zag type assembly is mounted in the understructure for support and additional cushioning purpose. The seat is made up of PU foam with density 32+/-2 Kg/m3 having an additional top layer of PU foam with density 28+/-2 Kg/m3, upholstered with fabric. The back is made up of 28+/-2 Kg/m3 with additional top layer of PU foam with density 23+/-2 Kg/m3, upholstered with fabric. The leg is a welded assembly made up of stainless steel (grade SS 202) tube and plate. Overall Dimensions of Chair shall be Seat Height - 45.0 cm, Height - 82.0cm, Width & Depth of Chair as measured from pedestal - Width-205.5 cm and Depth-92.0 cm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. All these sofas will be placed in faculty lounges on ground floor, first floor and third floor as per the space availability.</p>		
51	<p>Center Table. Glass shall be 12+/-0.3mm thick black tinted toughened glass UV glued with bushes made in SS 202 grade for fixing with understructure. It shall be a welded assembly made in SS202 grade having dia. 12+/-0.04 as per IS:1762. overall dimensions of table shall be Width of table= 112.0 cm, Depth=60.0 cm, height=35.1 cm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. All these tables will be placed in faculty cabins and lounges on ground floor, first floor and third floor as per the space availability.</p>		
52	<p>Corner Table Glass shall be 12+/-0.3mm thick black tinted toughened glass UV glued with bushes made in SS 202 grade for fixing with understructure. It shall be a welded assembly made in SS202 grade having dia. 12+/-0.04 as per IS:1762. overall dimensions of table shall be Width of table= 60.0 cm, Depth=60.0 cm, height=35.1 cm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. All these tables will be placed in faculty lounges on ground floor, first floor and third floor as per the space availability.</p>		
53	<p>Round Table Laminate 4 Seater Round POD 1200 Dia size shall be 1200 dia x 750 . Top shall be 25 mm thick base material shall be 25 mm thick MDF board .04 mm PVC membrane foil using wrap technology . Post-laminate work -surface with 0.6 mm on top and bottom plus 2 mm thick PVC edge banding on straight edges . The vertical cladding shall be 18 mm thick base material shall be 18 mm MDF board . 0.4 mm PVC membrane foil using wrap technology . The foil shall be pre- coated with PU layer for better scratch and wear resistant . 0.6 mm balancing laminate on bottom surface . Legs and Top /Bottom plate shall be made from 1.6 mm Matt silver Anodized Aluminium extrusion . Legs Assembled together with 8 mm thick MS powder coated sheet at bottom and 3 mm thick MS powder sheet coated at the top . The MS base shall be having provision for wire entry and glide fixing . Access Flap and Switch Mounting Tray made from matt silver anodized aluminium extrusion and plastic moulded components to facilitate access of electrical / data / voice sockets access from top. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. All these tables will be placed in faculty lounges on ground floor, first floor and third floor as per the space availability.</p>		

54	<p>Mid back Chair for Round Tables Seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and molded high resilience polyurethane foam of density 45±2 kg/m³, and hardness load 16 ± 2 kgf. for 25% compression. the stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with institutional molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette. seat size: 47.0 cm. (w) x 48.0 cm. (d) back size: 45 cm. (w) x 60.5 cm. (d) armrests the armrest top should be molded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps. The armrest structure should be powder coated (dft 40-60 micron).active bio-synchro mechanism (fu3401/3402): the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2 • the mechanism housing should be made up of hpdc aluminum black powder coated. Seat depth adjustment seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back support back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. Pneumatic ht. adjustment the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. 9) twin wheel castor : 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. Seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and moulded high resilience polyurethane foam of density 45±2 kg/m³,and hardness load 16 ± 2 kgf for 25% compression. The stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette.seat size : 47.0 cm. (w) x 48.0 cm. (d) back size : 45 cm. (w) x 60.5 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron).active bio-synchro mechanism (fu3401/3402): the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2 • the mechanism housing should be made up of hpdc aluminium black powder coated.seat depth adjustment seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back supportback frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need.pneumatic ht. adjustment the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. 9) twin wheel castor : 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
55	Admin Office Furniture at Ground floor and First floor		
56	<p>Executive Table for Administrative Officers and PA's of Director and Joint Director Executive Table with Side Return Unit of Size 1650x1950x750 .Primary Work Surface Size 1650 X 750 X 750 mm- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Secondary Work Surface- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Modesty Panel- Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Understructure- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Integrated Pedestal- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Drawer fronts made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top Pedstal construction is BOX-BOX-FILE type which Uses powder coated 400 MM long metal Panel Drawer Slides. Drawer extension is 325 MM. Drawers have a soft closing & anti slam mechanism. Handles are provided for ease of opening. Pedestal is provided with lock for security. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for two PA rooms, 5 admin offices at first floor and 1 IT office at third floor</p>		
57	<p>Back Unit 1650 X 750 1650x500x750 Top Panel-Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.Slide Door Unit-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping for body panels like side, bottom,back and shelves. Shutters are made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Shutters have a soft closing & anti slam mechanism. Handles are provided for ease of opening.Storage is provided with lock for security. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for two PA rooms, 5 admin offices at first floor and 1 IT office at third floor</p>		

58	<p>High Back Executive chairs for Administrative Officers and PA's of Director and Joint Director High Back Executive chair seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m3, and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d)back size : 46.6 cm. (w) x 75.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron). active bio-synchro mechanism:the adjustable tilting mechanism should be designed with the following features: 360° revolving type.o front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. tilt tension adjustment can be operated in seating position.5-position tilt limiter giving option of variable tilt angle to the chair. seat/back tilting ratio of 1: 2. the mechanism housing should be made up of hpdc aluminium black powder coated. seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm.adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. pneumatic ht. adjustment: the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. pedestal assembly : the pedestal should be injection moulded in black 33% glass-filled nylon 66 and fitted with 5 nos. twin wheel castors. the pedestal should be 66.1±0.5 cm. pitch-center dia.(76.1±1.0 cm. with castors.) twin wheel castor: 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for two PA rooms, 5 admin offices at first floor and 1 IT office at third floor</p>		
59	<p>Visitor chair.Seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m3, and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d) back size : 46.6 cm. (w) x 59.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron). visitor tubular frame : the powder coated (dft 40-60 micron) tubular frame should be cantilever type & made of 02.54±0.03 cm x 0.2±0.016 cm thk ms erw tube.the back connected to frame through powder coated (dft 40-60 micron) high pressure die cast connector piece.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
60	<p>Storwel plain shall have an overall size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The Storwel Plain should have a Mazak handle and Three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
61	<p>Two Seater Sofa Upperstructure shall be a single shell 1.2 ±0.1cm. thick hot pressed plywood. Dia 4mm zig-zag type assembly is mounted in the understructure for support and additional cushioning purpose. The seat is made up of PU foam with density 32+/-2 Kg/m3 having an additional top layer of PU foam with density 28+/-2 Kg/m3, upholstered with fabric. The back is made up of 28+/-2 Kg/m3 with additional top layer of PU foam with density 23+/-2 Kg/m3, upholstered with fabric. The leg is a welded assembly made up of stainless steel (grade SS 202) tube and plate. Overall Dimensions of Chair shall be Seat Height - 45.0 cm, Height - 82.0cm, Width & Depth of Chair as measured from pedestal - Width-146.0 cm and Depth-92.0 cm.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for two PA rooms, 5 admin offices at first floor, waiting area in admin block at first floor and 1 IT office at third floor</p>		
62	<p>Three Seater Sofa. Upperstructure shall be a single shell 1.2 ±0.1cm. thick hot pressed plywood. Dia 4mm zig-zag type assembly is mounted in the understructure for support and additional cushioning purpose. The seat is made up of PU foam with density 32+/-2 Kg/m3 having an additional top layer of PU foam with density 28+/-2 Kg/m3, upholstered with fabric. The back is made up of 28+/-2 Kg/m3 with additional top layer of PU foam with density 23+/-2 Kg/m3, upholstered with fabric. The leg is a welded assembly made up of stainless steel (grade SS 202) tube and plate. Overall Dimensions of Chair shall be Seat Height - 45.0 cm, Height - 82.0cm, Width & Depth of Chair as measured from pedestal - Width-205.5 cm and Depth-92.0 cm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for two PA rooms and waiting area in admin block at first floor.</p>		
63	<p>Center Table. Glass shall be 12+/-0.3mm thick black tinted toughened glass UV glued with bushes made in SS 202 grade for fixing with understructure. It shall be a welded assembly made in SS202 grade having dia. 12+/-0.04 as per IS:1762. overall dimensions of table shall be Width of table= 112.0 cm, Depth=60.0 cm, height=35.1 cm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for two PA rooms, 5 admin offices at first floor, waiting area in admin block at first floor and 1 IT office at third floor</p>		
64	<p>Modular Furniture for Staff</p>		

65	<p>WORKSTATIONS for Admin Staff- 1350W x 600D x 1200H Providing and placing WISH spine and fin based modular workstation, with partition thickness as 52.4 mm thk and ht - 1200 including powder coated aluminium trims.FIN: out of 22.5 mm thk panel formed out of blocks which are 18 mm thk PLB boards wrapped with laminate at intermediate level. Top block finished in Glass finish. Bottom block is finished in metal Tiles on main spine: Combination of top tiles are fabric/fabric tackable tile/split Whiteboard finish. Bottom tiles - Plain metal. INTERMEDIATE BLOCKS on main spine Intermediate blocks are given in DL + DL finish.Wire Management through main spine- Wires shall be taken into the system through cable ducts from the junction boxes and it is carried upto the panels through concealed conduits inside the blocks. Legs - Metal powder coated legs at the end and shared condition. System shall also have 120 mm high powder coated standalone panel legs to give the system an elevated look. Worksurface - out of 25 mm thk prelam MDF BOARD with flat pvc lipping edge banding of size 1350 mm w x 600 mm d. Pedestals - Nova pedestal flat metal front, full ht free standing central locking of size 390 mm w x 435 mm d x 646 mm ht 3dr = 2box+1file. CPU trolley - with castors KBPT with mousetray - metal Note: All partitions and side panels have levelling screws for adjustment in case of Uneven floor to take care of +/- 40 mm of uneven flooring. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for admin block at first floor.</p>		
66	<p>WORKSTATIONS for Admin Staff - 1500W1 X 1500W2 X 600D X 1200H Providing and placing WISH panel & tile based modular workstation, with partition.thickness as 52.4 mm thk and ht - 1200 including powder coated aluminium trims.Tiles on main spine: Combination of top tiles are split fabric magnetic/fabric/split fabric tackable/split white board tile. Bottom tiles - Plain metal.INTERMEDIATE BLOCKS on main spine Intermediate blocks are given in DL + DL finish.Wire Management through main spine- Wires shall be taken into the system through cable ducts from the junction boxes and it is carried upto the panels through concealed conduits inside the blocks.Legs - Metal powder coated legs at the end and shared condition. System shall also have 120 mm high powder coated standalone panel legs to give the system an elevated look.Worksurface - out of 25 mm thk prelam MDF BOARD with flat pvc lipping edge banding of size 1500 mm w1 X 1500 MM w2 x 600 mm d.Pedestals - Nova pedestal flat metal front, full ht free standing central locking of size 390 mm w x 435 mm d x 646 mm ht 3dr = 2box+1file.CPU trolley - with castors.KBPT with mousetray - metal.Note: All partitions and side panels have levelling screws for adjustment in case of Uneven floor to take care of +/- 40 mm of uneven flooring..OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for admin block at first floor.</p>		
67	<p>WORKSTATIONS (CUBICLE)- 1500L X 1500W x 1200H Providing and placing panel & tile based modular workstation, with partition hickness as 52.4 mm thk and ht - 1200 including powder coated aluminium trims. Tiles on main spine: Combination of top tiles are fabric/split fabric tackable/split white board tile. Bottom tiles - Plain metal.INTERMEDIATE BLOCKS on main spine Intermediate blocks are given in DL + DL finish.Wire Management - Wires shall be taken into the system through cable ducts from the junction boxes and it is carried upto the panels through concealed conduits inside the blocks.MODESTY PANELS WITH ASSEMBLY LEG - 25 MM THK PLB modesty has been given on the front of the main worktop which is attached to the partition on one end with gable end bkts and on the other end with metal powder coated frontier leg.Legs - Metal powder coated legs at the end and shared condition. System shall also have 120 mm high powder coated standalone panel legs to give the system an elevated look.Worksurface - Main table recta out of 25 mm thk prelam MDF BOARD with flat pvc lipping edge banding of size 1500 mm w x 600 mm d and ERU table recta of size 900 mm w x 450 mm d.Pedestals - Nova pedestal flat metal front, full ht free standing central locking of size 390 mm w x 435 mm d x 646 mm ht 3dr = 2box+1file. CPU trolley - with castors.KBPT with mousetray - metal. Note: All partitions and side panels have levelling screws for adjustment in case of Uneven floor to take care of +/- 40 mm of uneven flooring. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for research scholars in rooms with 24 seating capacity at first floor.</p>		
68	<p>WORKSTATIONS (CUBICLE)- 2400L X 1500W x 1200H Providing and placing WISH panel & tile based modular workstation, with partition thickness as 52.4 mm thk and ht - 1200 including powder coated aluminium trims.Tiles on main spine: Combination of top tiles are fabric/split fabric tackable/split white board tile. Bottom tiles - Plain metal.INTERMEDIATE BLOCKS on main spine Intermediate blocks are given in DL + DL finish.Wire Management - Wires shall be taken into the system through cable ducts from the junction boxes and it is carried upto the panels through concealed conduits inside the blocks.MODESTY PANELS WITH ASSEMBLY LEG - 25 MM THK PLB modesty has been given on the front of the main worktop which is attached to the partition on one end with gable end bkts and on the other end with metal powder coated frontier leg.Legs - Metal powder coated legs at the end and shared condition. System shall also have 120 mm high powder coated standalone panel legs to give the system an elevated look.Worksurface - Main table recta out of 25 mm thk prelam MDF BOARD with flat pvc lipping edge banding of size 1500 mm w x 600 mm d and ERU table recta of size 900 mm w x 450 mm d.Pedestals - Nova pedestal flat metal front, full ht free standing central locking of size 390 mm w x 435 mm d x 646 mm ht 3dr = 2box+1file. CPU trolley - with castors.KBPT with mousetray - metal.Note: All partitions and side panels have levelling screws for adjustment in case of Uneven floor to take care of +/- 40 mm of uneven flooring.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for HRC and RC assistants.</p>		

69	<p>WORKSTATIONS - 1200W x 600D x 1200H Providing and placing WISH spine and fin based modular workstation, with partition thickness as 52.4 mm thk and ht - 1200 including powder coated aluminium trims.FIN: out of 22.5 mm thk panel formed out of blocks which are 18 mm thk PLB boards wrapped with laminate at intermediate level. Top block finished in Glass finish. Bottom block is finished in metal Tiles on main spine: Combination of top tiles are fabric/fabric tackable tile/split Whiteboard finish. Bottom tiles - Plain metal. INTERMEDIATE BLOCKS on main spine Intermediate blocks are given in DL + DL finish.Wire Management through main spine- Wires shall be taken into the system through cable ducts from the junction boxes and it is carried upto the panels through concealed conduits inside the blocks. Legs - Metal powder coated legs at the end and shared condition. System shall also have 120 mm high powder coated standalone panel legs to give the system an elevated look. Worksurface - out of 25 mm thk prelam MDF BOARD with flat pvc lipping edge banding of size 1350 mm w x 600 mm d. Pedestals - Nova pedestal flat metal front, full ht free standing central locking of size 390 mm w x 435 mm d x 646 mm ht 3dr = 2box+1file. CPU trolley - with castors KBPT with mousetray - metal Note: All partitions and side panels have levelling screws for adjustment in case of Uneven floor to take care of +/- 40 mm of uneven flooring. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for guest faculty in the room at second floor, RC, students of bridge programme in the room with 24 seating capacity at first floor and second floor SAMPLE REQUIRED</p>		
70	<p>Chairs for HRC and RC Assistants High Back Executive chair seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m3,and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d)back size : 46.6 cm. (w) x 75.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron). active bio-synchro mechanism:the adjustable tilting mechanism should be designed with the following features: 360° revolving type.o front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. tilt tension adjustment can be operated in seating position.5-position tilt limiter giving option of variable tilt angle to the chair. seat/back tilting ratio of 1: 2. the mechanism housing should be made up of hpdc aluminium black powder coated. seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm.adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. pneumatic ht. adjustment: the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. pedestal assembly : the pedestal should be injection moulded in black 33% glass-filled nylon 66 and fitted with 5 nos. twin wheel castors. the pedestal should be 66.1±0.5 cm. pitch-center dia.(76.1±1.0 cm. with castors.) twin wheel castor: 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
71	<p>Chairs for for Students / RC /Guest Faculty/Research Scholars Mid Back Chair seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m3,and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d) back size : 46.6 cm. (w) x 59.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron) active bio-synchro mechanism:the adjustable tilting mechanism should be designed with the following features: o 360° revolving type. o front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. o tilt tension adjustment can be operated in seating position. o 5-position tilt limiter giving option of variable tilt angle to the chair. o seat/back tilting ratio of 1: 2 o the mechanism housing should be made up of hpdc aluminium black powder coated. seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. pneumatic ht. adjustment: the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. pedestal assembly : the pedestal should be injection moulded in black 33% glass-filled nylon 66 and fitted with 5 nos. twin wheel castors. the pedestal should be 66.1±0.5 cm. pitch-center dia.(76.1±1.0 cm. with castors.) twin wheel castor: 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Total chairs required as per 10.1, 10.2, 10.3, 10.5</p>		

72	<p>Steel Almirah for RC - size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The Storwel Plain should have a Mazak handle and Three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
73	<p>Visitor Chairs for HRC and RC Assistants Visitor chair.Seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m3,and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d) back size : 46.6 cm. (w) x 59.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron). visitor tubular frame : the powder coated (dft 40-60 micron) tubular frame should be cantilever type & made of 02.54±0.03 cm x 0.2±0.016 cm thk ms erw tube.the back connected to frame through powder coated (dft 40-60 micron) high pressure die cast connector piece.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. 3 chairs each for HRC, RC assistants and one guard. Remaining chairs will be used in RC for creating a reading room because there is no seperate room available. If required, these chairs may also be used in GD room that may be created later in RC.</p>		
74	<p>Joint Director Cabin Furniture at Ground floor</p>		
75	<p>Executive Table for Joint Director's Room Executive Table Size 2100x2250x750 Primary Work Surface- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Secondary Work Surface- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.Modesty Panel- Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Understructure- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping.Integrated Pedestal- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Drawer fronts made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top Pedstal construction is BOX-BOX-FILE type which Uses powder coated 400 MM long metal Panel Drawer Slides. Drawer extension is 325 MM. Drawers have a soft closing & anti slam mechanism. Handles are provided for ease of opening. Pedestal is provided with lock for security. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
76	<p>Display Back Uni for Joint Director's Room Display Back Unit 2350x500x1800Top Panel-Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.Slide Door Unit-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping for body panels like side, bottom,back and shelves.Shutters are made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Shutters have a soft closing & anti slam mechanism. Handles are provided for ease of opening.Storage is provided with lock for security. Display/Storage Unit-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping for body panels like side,back and shelves.Doors are made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top.Top panel of display unit Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		

77	<p>High Back Executive Chair for Joint Director's Room High Back Executive Chair seat/back assembly : the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with pure leather and moulded high resilience (hr) polyurethane foam of density 45±2 kg/m³,and hardness load 16 ± 2 kgf for 25% compression.the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with pure leather. seat size : 47.6 cm. (w) x 49.2 cm. (d)back size : 47.5 cm. (w) x 77 cm. (d) armrests: the armrest top should be moulded from polyurethane(pu), upholstered in pure leather and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk m.s e.r.w tube having chrome plated finish.the armrest height adjustable up to 6.5±0.5cm in 5 stepsactive bio-synchro mechanism: the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2 • the mechanism housing should be made up of hpdc aluminium black powder coated.4 seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need.pneumatic ht. adjustment: the pneumatic height adjustment has an adjustment stroke of 10.0±0.3 cm.pedestal assembly the pedestal should be high pressure die cast polished aluminium and fitted with 5 nos. twin wheel castors. the pedestal should be 65.0 ± 0.5cm. pitch-center dia.(75.0 ± 1.0cm. with castors.)twin wheel castors:the twin wheel castors should be injection moulded in black polypropylene. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
78	<p>Visitor Chairs for Joint Director's Room seat/back assembly : the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with pure leather and moulded high resilience (hr) polyurethane foam of density 45±2 kg/m³,and hardness load 16 ± 2 kgf for 25% compression.the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with pure leather. seat size : 47.6 cm. (w) x 49.2 cm. (d)back size : 46.5 cm. (w) x 59.5 cm. (d)visitor tubular frame: the tubular frame should be cantilever type and made of ø2.54± 0.03 cm x 0.02 ± 0.016cm thick ss 202 tube. the back should be connected to frame through chrome plated high pressure die case connector piece OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
79	<p>Steel Almira size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The Storwel Plain should have a Mazak handle and Three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
80	<p>Conference Table 8 Seater 2350 X 1150 X 740 (mm)Meeting Table Work top-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Access panels provided with soft closing hinges. Understructure-The Under-structure consists of mixture of 25mm and 18mm Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Anodised aluminium alloy 63400 - WP profile is added at bottom edges for improving the aesthetics. The product has a knock-down construction. Wire Management-Bottom cabinet with door is provided for flow of wires and cables. Cutout provision below Access flap at four locations for standard 8 module Anchor Roma is provided. Beside each cutout, an additional cutout with plate is provided for mounting Audio Visual Cables (eg. HDMI,VGA-A,etc). OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		

81	<p>Mid Back Chairs The cushioned seat assembly shall consists of seat outer(material-30% glass fiber nylon) and upholstered seat inner(material-polypropylene) with moulded polyurethane foam and polyester fabric. the net back should made up of back outer(material-glass fiber filled nylon) and back inner(material-PP) and upholstered using polyester mesh fabric with high tenacity yarn. Size of back shall be (W)-46.5cm, (H)-60.0cm & size of seat shall be (W)-51.0cm x (D)-49.0cm. High Resilience polyurethane foam shall be moulded with density 45+/-2 kg/m³ and hardness load 12+/-2 kgf as per IS:7888 for 25% compression. The support spine should made up of high pressure die cast polished aluminium. Armrest is having two adjustment, Height(6+/-0.5cm) and depth(6+/-0.5cm). Height adjustment shall be provided in aluminium structure of armrest which is connected to aluminium back spine and is operated with button. Armtop is made up of PU molded over plastic inner. The mechanism of chair shall have following features:360 degree revolving type, Seat/Back tilt ratio of 1:2, Active Bio-Synchro mechanism, 5 position tilt limiter giving option of variable tilt angle to the chair. Front-Pivot for tilt with feet resting on ground and continious lumber support should ensure more comfort. The mechanism housing should made up of HPDC Aluminium and black powder coated. The chair shall be provided with pneumatic height adjustment which shall have stroke of 10.0 +/- 0.3 cm. The pedestal shall be made of die-cast polished aluminium. it shall be fitted with 5 nos twin wheel castor. The size of the pedestal shall be 65.0 +/- 0.5 cm pitch-centre-dia (75.0 +/- 1.0 cm with castors). The twin wheel castors shall be injection moulded in black polypropylene. The lumbar support assembly should consists of lumber spine(material-glass fiber filled nylon) which is fixed to Aluminium back spine. The lumbar pad is fixed to lumbar spine through lumbar pad support. Lumbar support assembly shall have height adjustment of 5.0+/-0.5 cm. Overall dimensions of Chair shall be, Width of Chair - 70.5cm, Depth of Chair - 70.5 cm as measured from pedestal below. Height from ground - min 99.0 cm. Seat height - 49.0 cm. Dimensions tolerance / variations shall be within +/- 1 cm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
82	<p>3 Seater Sofa Dimensions Width - 2015 mm Depth - 900 mm Height - 875 mm Material : Polyester fabric Seat and back with slab stock foam of medium density and super soft foam Plywood & Pinewood under structure with Steel S spring and Elastic belt webbing.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
83	<p>2 Seater Sofa Dimensions Width -1465 mm Depth - 900 mm Height - 875 mm Material : Polyester fabric Seat and back with slab stock foam of medium density and super soft foam Plywood & Pinewood under structure with Steel S spring and Elastic belt webbing . OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
84	<p>Center table Overall Size : Width : 120cm Depth : 60cm Height : 37.8cmTABLE METERIALS & SIZE :TOP: SOLID VENEER MDF TABLE TOP WITH 18 mm . LEGS: SOLID RUBBER WOOD.Color : CAPPUCINO. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
85	<p>Corner Table Overall Size : Width : 53cm Depth : 45cm Height : 45cmTABLE METERIALS & SIZE :TOP: SOLID VENEER MDF TABLE TOP WITH 18 mm . LEGS: SOLID RUBBER WOOD.Color : CAPPUCINO.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		

86	Video conferencing Room(First Floor)		
87	<p>Table for VC Room Meeting Table 40 Seater Size of MODULAR MEM_2 STR END_RH 1350 X 600 X 740 (19 pcs) Size of Corner 850 X 850 X 740 90 APCWork Surface- 2 nos.Made of 36mm thick MDFone side pre laminate board conforming to IS14587: 1998 with 0.4mm PVC membrane pressed on to top and having chamfered edge. Plastic ABS access flap is provided for easy access to wires and cables. Work top is available in various shapes as shown above. Understructure-The Under-structure consists of mixture of 25mm and 18mm Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Aluminium alloy 63400 - WP profile is used for connecting panels together.Modesty Panel-Made of 18mm Thick Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Powder coated accent metal strip provided below work surface to enhance aesthetics. It is made of 0.8mm CRCA as per IS 513,epoxy polyester powder coated (DFT 40-60 microns). Wire Management-An array of panels made of 0.8mm CRCA MS IS:513, epoxy polyester powder coated (DFT 40-60 microns) is used for flow of wires and cables. Provision to mount Anchor Roma 6 module plate is provided below worktop. Cutout on top with two piece injection moulded plastic part polymer component is fitted to pullout audio,video cables onto worktop and connect devices charger to power socket below worktop. Accessories Dsk 2 ay Name Plate, Dsk Mod Doc Shelf Dsk HDMI wire Man (One packet Contain 8 Qty)OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
88	<p>Mid back Chair Seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and molded high resilience polyurethane foam of density 45±2 kg/m3, and hardness load 16 ± 2 kg. for 25% compression. the stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with institutional molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette. seat size: 47.0 cm. (w) x 48.0 cm. (d) back size: 45 cm. (w) x 60.5 cm. (d) armrests the armrest top should be molded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps. The armrest structure should be powder coated (dft 40-60 micron).active bio-synchro mechanism (fu3401/3402): the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2• the mechanism housing should be made up of hpdc aluminium black powder coated. Seat depth adjustment seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back support back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. Pneumatic ht. adjustment the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. 9) twin wheel castor : 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. Seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and moulded high resilience polyurethane foam of density 45±2 kg/m3,and hardness load 16 ± 2 kgf for 25% compression. The stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette.seat size : 47.0 cm. (w) x 48.0 cm. (d) back size : 45 cm. (w) x 60.5 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron).active bio-synchro mechanism (fu3401/3402): the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2• the mechanism housing should be made up of hpdc aluminium black powder coated.seat depth adjustment seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back supportback frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need.pneumatic ht. adjustment the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. 9) twin wheel castor : 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
89	<p>High Back Revolving Chair seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and moulded high resilience polyurethane foam of density 45±2 kg/m3,and hardness load 16 ± 2 kgf for 25% compression.the stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette.seat size : 47.0 cm. (w) x 48.0 cm. (d) back size : 45 cm. (w) x 75.5 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron).active bio-synchro mechanism (fu3401/3402): the adjustable tilting mechanism should be designed with the following features: • 360° revolving type. • front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. • tilt tension adjustment can be operated in seating position. • 5-position tilt limiter giving option of variable tilt angle to the chair. • seat/back tilting ratio of 1: 2 • the mechanism housing should be made up of hpdc aluminium black powder coated.seat depth adjustment seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back supportback frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need.pneumatic ht. adjustment the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. 9) twin wheel castor : 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal.Overall Dimensions of Chair Seat Height - 44.4-54.4cm.Height - 113.6-131.1cm.Width-76.1 cm and Depth-76.1 cmm. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		

90	<p>Visitor Chair.seat/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with stitched cover and moulded high resilience polyurethane foam of density 45±2 kg/m³,and hardness load 16 ± 2 kgf for 25% compression.the stitched cover should be made from spacer fabric and leatherette. cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with spacer fabric and leatherette.seat size : 47.0 cm. (w) x 48.0 cm. (d) back size : 45 cm. (w) x 60.5 cm. (d) visitor tubular frame: the powder coated (dft 40-60 micron) tubular frame should be cantilever type & made of 02.54±0.03 cm x 0.2±0.016 cm thk ms erw tube.the back connected to frame through powder coated (dft 40-60 micron) high pressure die cast connector piece.(D) Overall Dimensions of Chair-Seat Height - 44.8cm.Height - 99.5cm. Width-60.9 cm and Depth-64.3 cm OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. The room will be used for video conferencing and online sessions of students of different departments with international experts</p>		
91	<p>Center for Industry</p>		
92	<p>Tables for Staff Table Size 1350 X 600 X 750 mm.Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Gromet provided on work surface for wire management Modesty Panel Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Under-structure Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Hinge Door StorageMade of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Handle is provided for ease of opening. Storage is provided with cam lock for security. OEM should have the quality and Safety Certifications like ISO 9001;2015, ISO 14001:2015 and OHAS 45001;2018.</p>		

93	<p>Mid Back Chair seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m³, and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d) back size : 46.6 cm. (w) x 59.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron) active bio-synchro mechanism:the adjustable tilting mechanism should be designed with the following features: o 360° revolving type. o front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. o tilt tension adjustment can be operated in seating position. o 5-position tilt limiter giving option of variable tilt angle to the chair. o seat/back tilting ratio of 1: 2 o the mechanism housing should be made up of hpdc aluminium black powder coated. seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. pneumatic ht. adjustment: the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. pedestal assembly : the pedestal should be injection moulded in black 33% glass-filled nylon 66 and fitted with 5 nos. twin wheel castors. the pedestal should be 66.1±0.5 cm. pitch-center dia.(76.1±1.0 cm. with castors.) twin wheel castor: 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
94	Tutorial Room		
95	<p>Tables for 04 Tutorial Rooms 1650 Table Size 1650 X 750 X 750 mm . Size of Work Surface 1650 X 750 -Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Gromet provided on work surface for wire management. Modesty Panel-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Under-structure-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping.Hinge Door Storage-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shadeconfirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping.Handle is provided for ease of opening. Storage is provided with cam lock for security.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
96	<p>Mid Back Chair seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m³, and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d) back size : 46.6 cm. (w) x 59.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron) active bio-synchro mechanism:the adjustable tilting mechanism should be designed with the following features: o 360° revolving type. o front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. o tilt tension adjustment can be operated in seating position. o 5-position tilt limiter giving option of variable tilt angle to the chair. o seat/back tilting ratio of 1: 2 o the mechanism housing should be made up of hpdc aluminium black powder coated. seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. pneumatic ht. adjustment: the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. pedestal assembly : the pedestal should be injection moulded in black 33% glass-filled nylon 66 and fitted with 5 nos. twin wheel castors. the pedestal should be 66.1±0.5 cm. pitch-center dia.(76.1±1.0 cm. with castors.) twin wheel castor: 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
97	Resource Center		

98	<p>Table for HRC Table with Side Return Unit of Size 1650x1950x750 .Primary Work Surface Size 1650 X 750 X 750 mm- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Secondary Work Surface- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Modesty Panel- Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Understructure- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Integrated Pedestal- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Drawer fronts made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top Pedstal construction is BOX-BOX-FILE type which Uses powder coated 400 MM long metal Panel Drawer Slides. Drawer extension is 325 MM. Drawers have a soft closing & anti slam mechanism. Handles are provided for ease of opening. Pedestal is provided with lock for security. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
99	<p>Table for RC Assistants Table size shall be 1200 Width mm x 600 Depth mm x 750 Height mm . Table top shall be 18 mm PPB with 35 KGS , shelf shall be 12.5 KGS drawer shall be 506 KGS. The table top shall be 18 mm prelam MDF BOARD , 3 mm prelam MDF board. Metal parts shall be BM Slide For Keybord plus castor mounting table plus locking bracket plus angle clit . Hardware shall be Screw , KD fitting , Wooden Dowel , PVC ibserts. Construction shall be KD fitting , Wooden dowel & Angle Clit. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
100	<p>High Back Executive chair for HRC and RC Assistants High Back Executive chair seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m³,and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d)back size : 46.6 cm. (w) x 75.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron). active bio-synchro mechanism:the adjustable tilting mechanism should be designed with the following features: 360° revolving type.o front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. tilt tension adjustment can be operated in seating position.5-position tilt limiter giving option of variable tilt angle to the chair. seat/back tilting ratio of 1: 2. the mechanism housing should be made up of hpdc aluminium black powder coated. seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm.adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. pneumatic ht. adjustment: the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. pedestal assembly : the pedestal should be injection moulded in black 33% glass-filled nylon 66 and fitted with 5 nos. twin wheel castors. the pedestal should be 66.1±0.5 cm. pitch-center dia.(76.1±1.0 cm. with castors.) twin wheel castor: 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
101	<p>Visitor chair.Seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m³,and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d) back size : 46.6 cm. (w) x 59.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron). visitor tubular frame : the powder coated (dft 40-60 micron) tubular frame should be cantilever type & made of 02.54±0.03 cm x 0.2±0.016 cm thk ms erw tube.the back connected to frame through powder coated (dft 40-60 micron) high pressure die cast connector piece.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
102	<p>Steel Almirah size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA ‘D’ grade high yield strength as per IS:513. The Storwel Plain should have a Mazak handle and Three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		

103	<p>Book Case for RC Reference Section 4 Door Book Case shall have the configuration of 914mm(W)x320mm(D)x1742mm(H). The unique design provides the right rigidity to the Top hinged doors , which shall facilitate easy use. The Book Case shall be made from prime quality CRCA steel with anti rusting treatment. It shall have a Rigid Knock Down Construction. The Top Pannel, Back Pannel and Side Pannel are made from 0.7mm high yield CRCA and other components from 0.8mm CRCA. Each door shall have a 6 Lever Cam Lock with Common Key. 3mm thick glass should be used in each door for clear inside vision whih shall be secured in a metal frame through a rubber gasket. Scissor Mechanism should be provided in each door for receding inside the top of every compartment and it shall ensure parallel and smooth movement. Each door should be provided with plastic side end caps as handle which is easy to grip. Each compartment shall have a storage shelf with a UDL capacity of max 80 Kg. The 2 Door Book Case shall have 18mm PLB Top straight edge with PVC lipping. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10).OEM should have the qulity and Safety Certifications like ISO 9001;2015, ISO 14001:2015 and OHAS 45001;2018 .</p>		
104	<p>Table for Security Guard with storage Table Size 1350 X 600 X 750 mm.Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Gromet provided on work surface for wire management Modesty Panel Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Under-structure Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Hinge Door StorageMade of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Handle is provided for ease of opening. Storage is provided with cam lock for security. OEM should have the qulity and Safety Certifications like ISO 9001;2015, ISO 14001:2015 and OHAS 45001;2018 .</p>		
105	<p>Chairs for RC Workstations The seat and back shall be made up of 1.2 ±0.1cm. thick hot-pressed plywood and upholstered with fabric upholstery covers and moulded Polyurethane foam. The back foam shall be designed with contoured lumbar support for extra comfort. The seat shall be extra thick foam on front edge to give comfort to popliteal area. The dimensions of back shall be 47.5 cm(W) x 58.0 cm(H) and of seat shall be 47.0 cm (W) x 48.0 cm (D). The HR polyurethane foam shall be moulded with density= 45±2 kg/m3 and hardness load 16 ± 2 kgf as. per IS:7888 for 25% compression. The tubular frame shall be cantilever type & made of dia 2.54±0.03cm. x 0.2 ±0.016cm.thk. M.S. E.R.W. tube and black powder coated (DFT 40-60 microns). The one-piece armrests shall be injection moulded from black Co.polymer Polypropylene. Overall Dimensions of Chair shall be Seat Height - 46.5cm, Height - 89.5cm, Width & Depth of Chair as measured from pedestal - Width-61.4 cm and Depth-64.5 cm.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
106	<p>WORKSTATIONS for RC - 900W x 600D x 750H The system shall be a desk-based system with a platform understructure made up of a combination of MS. Tubes and plates.Understructure - The slanted legs (CELLO) are connected to the understructure with the help of PDC Connectors to provide a stable and sturdy base for the worktops. Modesty panel shall be of Metal 1.2 mm thick CRCA. Worksurface - Worktop shall be made of 25MM thick Pre-Laminated Board conforming to IS: 12823. All the edges of work surface shall be provided with machine pressed 2 mm thick PVC lipping glued with hot melt EVA glue. The worktop shall be complete with provisions for screen mounting as well as for wire management on the workstation. Provisions for fixing of the switches shall be on the wire tray/channel. Access flaps with soft closing technology shall be provided on the table tops to access the switch points on the tray. Wire Management - It shall be a part of the understructure and can be in the form of enclosed metal tray to provide concealed wire management throughout the cluster formation. Wire riser leg shall be provided as per the layout structure. Screen - Screen shall be provided as per the requirement of the design and layout. The screen finishes selected is Fabric T mould. The screens provided shall be complete with its set of PDC clamps for fixing on the worktop. Adjustable/Removable Clip on screens have been provided for privacy between 2 workstations. CPU trolley - with castors.KBPT with mousetray - metal.Note: All partitions and side panels have levelling screws for adjustment in case of Uneven floor to take care of +/- 40 mm of uneven flooring. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Different size of workstations are required according to the seating plan in RC.</p>		
107	<p>WORKSTATIONS for RC - 1200W x 600D x 1200H Providing and placing WISH spine and fin based modular workstation, with partition thickness as 52.4 mm thk and ht - 1200 including powder coated aluminium trims.FIN: out of 22.5 mm thk panel formed out of blocks which are 18 mm thk PLB boards wrapped with laminate at intermediate level. Top block finished in Glass finish. Bottom block is finished in metal Tiles on main spine: Combination of top tiles are fabric/fabric tackable tile/split Whiteboard finish. Bottom tiles - Plain metal. INTERMEDIATE BLOCKS on main spine Intermediate blocks are given in DL + DL finish.Wire Management through main spine- Wires shall be taken into the system through cable ducts from the junction boxes and it is carried upto the panels through concealed conduits inside the blocks. Legs - Metal powder coated legs at the end and shared condition. System shall also have 120 mm high powder coated standalone panel legs to give the system an elevated look. Worksurface - out of 25 mm thk prelam MDF BOARD with flat pvc lipping edge banding of size 1350 mm w x 600 mm d. Pedestals - Nova pedestal flat metal front, full ht free standing central locking of size 390 mm w x 435 mm d x 646 mm ht 3dr = 2box+1file. CPU trolley - with castors KBPT with mousetray - metal Note: All partitions and side panels have levelling screws for adjustment in case of Uneven floor to take care of +/- 40 mm of uneven flooring. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Different size of workstations are required according to the seating plan in RC.</p>		

108	<p>Tables for GD Room in RC/Multi-utility Lab in M.Des. Work Surface-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Soft closing access flap provided for access to power supply and audio cables. Work top is available in two shapes Square and Pebble (Round) Side Panel-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990 matching to the Worktop, Edge banded with matching 2 mm thick PVC lipping. Cutout with Gromet provided for routing cables in case any Audio Visual equipment is to be fixed later. Understructure-The Under-structure consists of an Inner Tube Assembly with Top for Worktop Mounting and Base plate with levellers. The Top Plate is made of 5mm thk hot rolled steel Plates (HR) (As per IS: 2062) & the bottom plate is made of 8mm thk hot rolled steel Plates (HR) (As per IS:2062). The Inner Tube Assembly is made of 25.4mmx 25.4mm x 1.2mm thk round electric resistant welded tube (ERW)(As per IS:7138) welded together using Tungsten inert gas welding. The whole structure is epoxy polyester powder coated (DFT 40-60 microns). The product has a knock-down construction. Cutout for standard Anchor Roma 6 Module is provided for electrical fittings.An additional cutout with a plate is provided for mounting Audio Visual Cables(eg HDMI,VGA-A,etc.) Removable panel-The 3D removable panels are provided for ease of servicibility. It also provides easy access to internal space in case of any Audio Visual equipment is to be added later. It is made of 1.2mm CRCA MS IS:513 and EPOXY POLYESTER Powder Coated (DFT 40-60 microns). OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
109	<p>Chairs for GD Room in RC/Multi-utility Lab in M.Des. SEAT/BACK ASSEMBLY: The cushioned seat assembly consists of seat base moulded in glass-filled Poly-amide, moulded Polyurethane foam & upholstered with high stretch knitted polyester fabric. The cushioned back assembly consists of back inner moulded in Polypropylene in-situ moulded with Polyurethane foam & upholstered with high stretch knitted polyester fabric. Back Size : 44.0 cm. (W) x 56.0 cm. (H) Seat Size : 48.5 cm. (W) x 49.0 cm. (D).HIGH RESILIENCE (HR) POLYURETHANE FOAM: The HR polyurethane foam used in seat and back cushion is moulded in Density Min 48 kg/m3, and hardness load 15 ± 2 kgf as per IS:7888 for 25% compression. VISITOR FRAME ASSEMBLY :- The powder coated (DFT 40-60 micron) tubular frame is cantilever type and made of dia 2.54 +/- 0.03 cm X 0.3 +/- 0.016cm thk MS ERW tube. Shoes are made of glass filled Poly amide and fixed to the tubular frame.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
110	<p>Book Racks for RC Overall Dimensions of Double Sided Wood & Steel Book Rack Base Unit shall be 900mm(W)x590mm(D)x1890mm(H). Rigid Knockdown construction . Back panel up to the bottom of third rack for additional rigidity . Racks, Back panel & Skirting : CRCA 0.8 mm thickness . Side panels : 25 mm thick pre laminated MDF BOARD (PLB) with laminate on both sides . Stackability shall have add-on units width wise to form a bank of racks having common side panel . Bottom plus four fixed racks plus 10 storage levels. Each rack is provided with stiffener at bottom for strength . Uniformly distributed load capacity per each full shelf is 80 Kg maximum . Rack back stiffener shall be there at the rear side of the racks back stiffeners are provided . These are to support books on the rear side . Label Holder on each main unit to insert labels for identification . Finish shall be Epoxy polyester powder coated to the thickness of 50 microns . Stand for rack Overall Dimensions of Stand For Double Sided For Steel Unit Only shall be 900mm(W)x600mm(D)x125mm(H). Optional stand of 125 mm height with levelling screws . OEM should have the quality and Safety Certifications like ISO 9001:2015, ISO 14001:2015 and OHAS 45001:2018.</p>		
111	<p>Mid Back Chair for Security Guard and Visitors seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m3, and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d) back size : 46.6 cm. (w) x 59.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron) active bio-synchro mechanism:the adjustable tilting mechanism should be designed with the following features: o 360° revolving type. o front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. o tilt tension adjustment can be operated in seating position. o 5-position tilt limiter giving option of variable tilt angle to the chair. o seat/back tilting ratio of 1: 2 o the mechanism housing should be made up of hpdc aluminium black powder coated. seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. pneumatic ht. adjustment: the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. pedestal assembly : the pedestal should be injection moulded in black 33% glass-filled nylon 66 and fitted with 5 nos. twin wheel castors. the pedestal should be 66.1±0.5 cm. pitch-center dia.(76.1±1.0 cm. with castors.) twin wheel castor: 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
112	<p>Hostel Block Furniture</p>		

113	<p>Single Bed with Storage Overall Size : Length - 2060.0 mm Width - 1119.0 mm Height - 900.0 mm Material :Bed Structure consist of metal frames made of M.S. 25 mm square Pipes in 1.2 mm Thickness & M.S. Channels in 1.0 mm thickness. Partition Panels & Plinths are made of 25 mm Thick Prelaminated MDF BOARD. Head board & Tail board is made of 25 mm thick Prelaminated MDF BOARD. All the exposed edges are edge banded with 2.0mm thick PVC edge. Side board & mattress panels of Bed are made of 18 mm thick Prelaminated MDF BOARD with all the exposed edges edge banded with 0.8 mm thick PVC edge banding. Construction : Knock Down construction. Packets : 1 Bed in 3 packets. Finish : 25 mm thick Prelaminated MDF BOARD is in maple shade. 18 mm thick Prelaminated MDF BOARD is in maple shade. Metal frames are powder coated in shade Metallic Silver Grey to thickness of 50 microns(+/-10). OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018</p> <p>SAMPLE REQUIRED</p>		
114	<p>Mattress.Thickness: 10 cm-12.5 cm This dual sided mattress has superior bonded foam base for a better back support. The fabric used in it is tear resistant yet breathable and has foam quilting. Size of Mattress Should be Length 78 Inches and Width 36 Inches for each mattress.</p> <p>SAMPLE REQUIRED</p>		
115	<p>Study Tables Table without CPU Hanger size shall be 1200 Width mm x 600 Depth mm x 728 Height mm. Top shall be 18 mm thick Pre laminated MDF BOARD all work surface edges shall be having duly sealed with 2 mm thick PVC edgbanding. Understructure Modesty Panel 18 mm thick Pre laminated MDF BOARD . The Rectangular frame shall be fabricated component in 1.2 mm thick CRCA , Finish : powder Coat(epoxy polyster) . Leg shall be fabricated component in 38 mm x 25 mm 1.2 mm thick MS ERW ATube ,finish powder coat (epoxy polyster).The plastic cap for cable travel shall be injection moulded polypropylene and leveler glide for shall be nylon 6 & MS bolt. The storage shall be having shell and drawer tray 0.6 mm thick CRCA Finish powder coat (epoxy polyster) plus the drawer front shall be 0.8 mm thick CRCA Finish powder coat (epoxy polyster) plus lock with 10 lever and handle and leveler. The wire management shall be horizontal wire carrier 0.7 mm thick CRCA Finish powder coat (epoxy polyster) and vertical wire carrier 0.8 mm thick CRCA Finish powder coat (epoxy polyster) .OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. SAMPLE REQUIRED</p>		
116	<p>Student Chairs SEAT/BACK ASSEMBLY: The cushioned seat assembly consists of seat base moulded in glass-filled Poly-amide, moulded Polyurethane foam & upholstered with high stretch knitted polyester fabric. The cushioned back assembly consists of back inner moulded in Polypropylene in-situ moulded with Polyurethane foam & upholstered with high stretch knitted polyester fabric. Back Size : 44.0 cm. (W) x 56.0 cm. (H) Seat Size : 48.5 cm. (W) x 49.0 cm. (D).HIGH RESILIENCE (HR) POLYURETHANE FOAM: The HR polyurethane foam used in seat and back cushion is moulded in Density Min 48 kg/m3, and hardness load 15 ± 2 kgf as per IS:7888 for 25% compression. VISITOR FRAME ASSEMBLY :- The powder coated (DFT 40-60 micron) tubular frame is cantilever type and made of dia 2.54 +/- 0.03 cm X 0.3 +/- 0.016cm thk MS ERW tube. Shoes are made of glass filled Poly amide and fixed to the tubular frame.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. SAMPLE REQUIRED</p>		
117	<p>Steel Almirah Overall Size :WxDxH- 900 x 500 x 1950 mm Body:Aesthetically appealing plain, made from combination of Dent Resistance 0.5 mm, Dent Resistance 0,6 mm, CRCA 0.6 mm & 1.2 mm Thickness. Construction: Knock down. Finish: Epoxy Powder coated. Hardware: High quality standard hardware like screws, bumpers, bangers, Leveller, etc. Door: Aesthetically appealing plain, made from combination of CRCA 0.6 mm & Dent Resistance 0.5 mm Thickness. Locking: Two way Recessed Handle Lock used for Main door. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018 SAMPLE REQUIRED</p>		
118	<p>6 Seater Dining Table for Hostel Mess Dining table 6 Seater PU Coated size shall be 1734 Width mm x 1175 Depth mm x 750 Height mm . Top shall be 25 mm thick base material shall be 25 mm MDF board . On top PU painting of minimum 2H hardness with 75% glass as per color chart .Combination color graphics on the centre . Brown Laminate on bottom specially profiled edges for comfort . The Understructure shall be having bend pipe structure of MS powder coated . Pipe dia 38 mm , 2 mm thick and it shall be fitted with top by SS machine screws . Legs shall be of MS powder coated and 38 mm dia. pipe legs are fixed with inderstructure and table top . Glide shall be of Plastic fixed at the understructure to prevent the damage of table top during stacking.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018</p>		
119	<p>Chairs for Hostel Mess The seat and back are made uo injection moulded high impact strenght polypropylene polymer compound with indoor graade UV Resistance. The Powder coated (DFT50+ microns) weled tubular frame is made from 2.22 + 0.03 cm x 0.16+/- 0.0128cm and 3.5+/- 0.03 cmx1.5+/-0.03 cm x 0.16 +/- 0.0128 cm M.S.E.R.W tubThe Shoes are made of high impact strenght polypropylene polymer compund with indoor grad UV Resistance and pressed fitted with tubularfram. SIZE : (W) 52.5cm * (D) 55.8cm * (H) 84.5cm *(seat H) 45.0 cm Seat Size 52.5cm(W)*53.2 cm(D) Back Size 51.6 cm(W)*40.5 cm (H). OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		

120	<p>Three Seater Cushioned Sofa Three Seater Cushioned with Arm.The side frame assembly shall be fitted to the two ends of the connecting beam assembly to form the leg-cum-armrest assembly. It shall be made of 0 3.81 ±0.03cm. x 0.2±0.016cm. thick cmx0.16cm and black powder coated (DFT 40-60 microns). The ends shall be fitted with ABS moulded end caps. It shall be the connecting beam assy. which holds the two side frames to each other. 2 nos tie members shall be used to connect the side frames. The tie-member shall be of dia 3.81 ±0.03cm x 02±0.016cm. thick cm x 0.16cm and black powder coated (DFT 40-60 microns). The seat/back assemblies shall be mounted on one of the tie-member which shall has 5.0 ±0.1cm x 5.0 ±0.1 cm x 0.5±0.1cm. thk 5.5 ±0.1cm Long MS. Std. angles welded to mount the seat and back. The seat rest assembly shall be consists of a fabricated inner-frame assembly insitu-moulded High Resilience (HR) Polyurethane foam having density = 45 +/-2 Kg/cm3 with Hardness load=25±2kgf as per IS:7888 for 25% compression of the foam. The complete moulded seat rest assembly shall be covered with a replaceable fabric upholstery cover. The dimensions of seat shall be: 52.0cm. (W) X 50.0cm. (D) X 6.0cm. (T). The backrest assembly shall be flexing type and consists of a fabricated inner-frame assembly insitu-moulded with High Resilience (HR) Polyurethane foam having density = 45 +/- 2 Kg/cm3 with Hardness load 14± 2 kgf as per IS:7888 for 25% compression of the foam. The complete moulded backrest assembly shall be covered with a replaceable fabric upholstery cover. The size of the back shall be 52.0cm. (W) X 59.0cm. (H) X 6.0cm. (T) The adj. glide shall be injection moulded in black Nylon & fitted to the front end of side frame assembly along with ABS moulded adj. Glide base to take care on unlevelled floor surface. Overall Dimensions of Chair shall be Seat Height - 43.5 cm, Height - 78.5cm, Width & Depth of Chair as measured from pedestal - Width-164.0cm and Depth-70.0 cm.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required for waiting hall at ground floor, common space and common balcony on all the floors of the hostel. SAMPLE REQUIRED</p>		
121	<p>Tables for Warden/Assistant Warden/Nurse Table 1500 X 750 X 750 Table with CPU Hanger size shall be 1500 Width mm x 750 Depth mm x 728 Height mm . Top shall be 18 mm thick Pre laminated MDF BOARD all work surface edges shall be having duly sealed with 2 mm thick PVC edgebanding. Understructure Modesty Panel 18 mm thick Pre laminated MDF BOARD . The Rectangular frame shall be fabricated component in 1.2 mm thick CRCA , Finish : powder Coat(epoxy polyester) . Leg shall be fabricated component in 38 mm x 25 mm 1.2 mm thick MS ERW ATube ,finish powder coat (epoxy polyester).The plastic cap for cable travel shall be injection moulded polypropylene and leveler glide for shall be nylon 6 & MS bolt. The storage shall be having shell and drawer tray 0.6 mm thick CRCA Finish powder coat (epoxy polyester) plus the drawer front shall be 0.8 mm thick CRCA Finish powder coat (epoxy polyester) plus lock with 10 lever and handle and leveller. The wire management shall be horizontal wire carrier 0.7 mm thick CRCA Finish powder coat (epoxy polyester) and vertical wire carrier 0.8 mm thick CRCA Finish powder coat (epoxy polyester) . OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
122	<p>Chairs for Warden/Assistant Warden/Nurse Mid Back Chair. 1.SEAT/BACK ASSEMBLY: The seat and back should be made up of 1.2 ±0.1cm. thick hot-pressed plywood and upholstered with fabric upholstery covers and moulded Polyurethane foam. The back foam should be designed with contoured lumbar support for extra comfort. The seat has extra thick foam on front edge to give comfort to popliteal area BACK SIZE 47.5 cm. (W) x58.0 cm (H) SEAT SIZE 47.0 cm. (W) x 48.0 cm. (D) 2.. HIGH RESILIENCE (HR) POLYURETHANE FOAM: The HR polyurethane foam should be moulded with density = 45±2 kg/m3 and hardness load 16 ± 2 kgf for 25% compression. 3. ARMRESTS :The one-piece armrests should be injection moulded from black Co-polymer Polypropylene. 4. CENTER TILT SYNCHRO mechanism: The mechanism should be designed with the following features: • 360° revolving type. • Upright-position locking • Tilt tension adjustment • Seat/back tilting ratio of 1:3. 5.PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 12.0 ±0.3cm.6.TELESCOPIC BELLOW ASSEMBLYThe bellow should be 3 piece telescopic type and injection moulded in black Polypropylene. 7.PEDESTAL ASSEMBLY:The pedestal should be injection moulded in black 33% glass-filled Nylon-66 and fitted with 5 nos. twin wheel castors. The pedestal should be 66.3 ±0.5cm. pitch-center dia. (76.3 ±1.0cm with castors). 8.TWIN WHEEL CASTORS:The twin wheel castors should be injection moulded in Black Nylon..OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
123	<p>Visitor Chairs for Warden/Assistant Warden/Nurse The seat and back shall be made up of 1.2 ±0.1cm. thick hot-pressed plywood and upholstered with fabric upholstery covers and moulded Polyurethane foam. The back foam shall be designed with contoured lumbar support for extra comfort. The seat shall be extra thick foam on front edge to give comfort to popliteal area. The dimensions of back shall be 47.5 cm(W) x 58.0 cm(H) and of seat shall be 47.0 cm (W) x 48.0 cm (D). The HR polyurethane foam shall be moulded with density= 45±2 kg/m3 and hardness load 16 ± 2 kgf as. per IS:7888 for 25% compression. The tubular frame shall be cantilever type & made of dia 2.54±0.03cm. x 0.2 ±0.016cm.thk. M.S. E.R.W. tube and black powder coated (DFT 40-60 microns). The one-piece armrests shall be injection moulded from black Co.polymer Polypropylene. Overall Dimensions of Chair shall be Seat Height - 46.5cm, Height - 89.5cm, Width & Depth of Chair as measured from pedestal - Width-61.4 cm and Depth-64.5 cm.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		

124	<p>Steel Almirah (for Warden/Asst. Warden /Nurse) size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The Storvel Plain should have a Mazak handle and Three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
125	<p>King Size Bed. Overall Size : Width : 187.5cm Depth :207.8cm Bed Height : 31.5cm Bed with Headboard Height : 107.2cm mm . Material:bed structure consist of metal framesmade of MS 25mm square pipes in 1.2mm thickness & M.S. channels in 1.0mm thickness.partition panel , horizontal plinth are made of 25mm thick MDF BOARD.tail board panel is made of 25mm thick MDF BOARD with E1 grade shade:cinnamon finish. headboard are made of 25mm thick membrane pressed MDF.drawrs panels,side board,bottom panels, mattress panel,lower head board of bed are made of 18mm thick prelaminated MDF BOARD with all the exposed edges banded with 2mm thick PVC edge banding. KD fitting and dowels are of hettich. construction:knock down construction.finish:membrane pressed MDF of upper head board is with backing laminate of cherry tennessee and vermont 45309 membrane shade.18mm thick prelaminated MDF BOARD is in E1 grade shade with lipping shade 218P.metal frames are powder coated in shade matt black to the thickness of 50microns. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
126	<p>Bed Side Table.Overall Size :length : 45cm Width : 45cm Height : 51.7cm.material:top panel and drawer fronts are of 18mm thick membrane pressed MDF. Body and drwr panels are made of 18mm thick prelaminated MDF BOARD. Back and drawer bottom made of 9mm thick prelaminated MDF BOARD.all exposed edges are edge banded with 2mm thick PVC edge banding.hardware:the high quality hardware used like roller slides , minifix, dowels is of make hettich.construction:knock down construction.finish:membrane pressed MDF of drawer front and top panel are with backing laminate of cherry tennessee and vermont 45309 membrane shade.18mm & 9mm thick prelaminated MDF BOARD is in E1 grade shade . OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
127	<p>Patient Stool. Overall Dimension: Overall Sizes Diagonal Leg Dia 538 mm H470 min-655max Top plate should made of SS 202 made sheet with spin section of thickness 1mm & should be non corrosive. It should have a diameter of 305mm, seat base should made of MS ring and rectangular tube. EN8 Screw having dia of 22 mm should be used for height adjustment of the seat base. The round hub should be made of MS ERW tube having dia of 38mm and thickness 2 mm. The Hub should be welded with the legs and it should accommodate and cover the lead screw mechanism. The understructure should consist of 4 legs made up of MS ERW tube of diameter 25.4 mm and 1.6mm thick. The press formed pipe leg should give a round & clean look. All the legs should be provided with 4 nos of Nylon-6 bush. All metal components should be pre treated with zinc phosphating in 9 tank porcess and then powder coated with anti microbial epoxy polyster powder coating to fulfill the requirements for bacterial protection against at least 2 commonly found bacteria in Hospital environment [Gram positive and Gram Negative]. Safe working load must be 135kg</p>		
128	<p>Examination Couch. Overall dimension 1975 mm (L) x 560 mm (W) x 805 mm (H). Examination couch with three drawers with three cabinets, inbuilt step stool and BP tray holder.the base frame should made of 30 mm x 30 mmX 1.6 thick ERW tube. The cabinets should made of 1 mm thick CRCA sheet with recessed plastic handles and with lock and plastic door latch. the hindges of the cabinet should be made of sheet metal and pin arrangement. The internal dimension of the two side cabinets should be 422 mm (W) x 455 mm (D) x 540 mm (H). the internal dimension of the centarl cabinet should be 422 mm (W) x 455 mm (D) x 358 mm (H).The storage cabinet unit should be mount tubular base frame.The head rest should be adjustable on gas spring which should be actuated with C shaped handle lever . The drawers should made of 1 mm thick CRCA sheet with recessed plastic handles and work on double extension ball slides for smooth glide. the internal dimension of the drawer should be 330 mm (W) x 427 mm (D) x 92 mm (H) The mattress platform should be 65 mm thick which is made of 12 mm thick ply and PU foam and covered with leatherite cover.the cover should be water resistant, fire retardant, aniti microbial . the end of the top mattress surface should be tapered end edge for ergonomic benifit. There should be ss304 made tissue roll holder present on the lower side of the back rest. There should be 1 mm thick CRCA made step stool with leveler with double extension ball slide for smooth operation. There should be 1 mm thick CRCA made BP aparatus holder which should be adjustable in height on a SS made height adjustable rod. Total load bearing capacity should be 135 kg. The examination couch should be provided with six numbers levelers made of metal & plastic for adjustment on the uneven floor. All the metal parts should be pre treated and powder coated with epoxy polyester powder coating. The examination couch should have CE certification from any notifying agency or its Indian counterpart, the manufacturer should have ISO 13485:2016 certification from any notifying agency.</p>		
129	<p>Medical Room Furniture in NIFT campus</p>		

130	<p>Table for Doctor's and Counsellor's Room Table with Side Return Unit of Size 1650x1950x750 .Primary Work Surface Size 1650 X 750 X 750 mm- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Secondary Work Surface- Made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Modesty Panel- Made of 25mm thick MDF one side pre- laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top. Understructure- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Integrated Pedestal- Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Drawer fronts made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998 with 0.4mm PVC membrane pressed on to top Pedstal construction is BOX-BOX-FILE type which Uses powder coated 400 MM long metal Panel Drawer Slides. Drawer extension is 325 MM. Drawers have a soft closing & anti slam mechanism. Handles are provided for ease of opening. Pedestal is provided with lock for security. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
131	<p>Table for Staff Table Size 1650 X 750 X 750 mm . Size of Work Surface 1650 X 750 -Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Gromet provided on work surface for wire management. Modesty Panel-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Under-structure-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade confirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping.Hinge Door Storage-Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shadeconfirming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping.Handle is provided for ease of opening. Storage is provided with cam lock for security.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
132	<p>High Back Executive chair for Doctor's and Counsellor's Room High Back Executive chair seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m3,and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d)back size : 46.6 cm. (w) x 75.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron). active bio-synchro mechanism:the adjustable tilting mechanism should be designed with the following features: 360° revolving type.o front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. tilt tension adjustment can be operated in seating position.5-position tilt limiter giving option of variable tilt angle to the chair. seat/back tilting ratio of 1: 2. the mechanism housing should be made up of hpdc aluminium black powder coated. seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm.adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. pneumatic ht. adjustment: the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. pedestal assembly : the pedestal should be injection moulded in black 33% glass-filled nylon 66 and fitted with 5 nos. twin wheel castors. the pedestal should be 66.1±0.5 cm. pitch-center dia.(76.1±1.0 cm. with castors.) twin wheel castor: 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		

133	<p>Chair for Staff Mid Back Chair seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m³, and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d) back size : 46.6 cm. (w) x 59.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron) active bio-synchro mechanism:the adjustable tilting mechanism should be designed with the following features: o 360° revolving type. o front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. o tilt tension adjustment can be operated in seating position. o 5-position tilt limiter giving option of variable tilt angle to the chair. o seat/back tilting ratio of 1: 2 o the mechanism housing should be made up of hpdc aluminium black powder coated. seat depth adjustment: seat depth adjustment should be integrated in the seat through a sliding mechanism. seat depth adjustment range should be of 6.0±0.5 cm. adjustable back support: back frame should be connected to the up/dn mechanism housed in plastic t spine. it can be adjusted in the range of 7.42±0.5 cm for the comfortable back support to suit individual need. pneumatic ht. adjustment: the pneumatic ht adjustment has an adjustment stroke of 10.0±0.3 cm. pedestal assembly : the pedestal should be injection moulded in black 33% glass-filled nylon 66 and fitted with 5 nos. twin wheel castors. the pedestal should be 66.1±0.5 cm. pitch-center dia.(76.1±1.0 cm. with castors.) twin wheel castor: 5 nos. twin wheel castors should be injection moulded in plastic having 6.0±0.1cm wheel diameter and assembled to pedestal. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
134	<p>Visitor chair.Seat assembly/back assembly: the cushioned seat should be made of injection molded plastic outer & inner. plastic inner should be upholstered with foam laminated fabric and moulded high resilience polyurethane foam of density 45±2 kg/m³, and hardness load 16 ± 2 kgf for 25% compression. the cushioned back should be made of pu foam with insitu molded ms e.r.w round tube of size 1.9±0.03cm x 0.16 ±0.0128cm. it upholstered with foam laminated fabric. seat size : 46.0 cm. (w) x 48.0 cm. (d) back size : 46.6 cm. (w) x 59.6 cm. (d) armrests the armrest top should be moulded from polyurethane(pu) and mounted on to a drop lift adjustable type tubular armrest support made of 03.81±0.03 cm x 0.2±0.01 cm thk ms e.r.w tube. the armrest height adjustable up to 6.5±0.5cm in 5 steps.the armrest structure should be powder coated (dft 40-60 micron). visitor tubular frame : the powder coated (dft 40-60 micron) tubular frame should be cantilever type & made of 02.54±0.03 cm x 0.2±0.016 cm thk ms erw tube.the back connected to frame through powder coated (dft 40-60 micron) high pressure die cast connector piece.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
135	<p>Steel Almira (for Doctor/Counsellor/Staff) size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The Storwel Plain should have a Mazak handle and Three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
136	<p>Glass Door Almirah for Doctor/Counsellor Glass Door Almirah Glass Door Storwel shall have an overall size of 916mm(W)x486mm(D)x1980mm(H) with welded construction. It should have shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The glass door storwel shall have a brass handle and a 2 way locking mechanism with shooting bolt . It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of colour options and shelving options shall be available. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
137	<p>Patient Stool. Overall Dimension: Overall Sizes Diagonal Leg Dia 538 mm H470 min-655max Top plate should made of SS 202 made sheet with spin section of thickness 1mm & should be non corrosive. It should have a diameter of 305mm, seat base should made of MS ring and rectangular tube. EN8 Screw having dia of 22 mm should be used for height adjustment of the seat base. The round hub should be made of MS ERW tube having dia of 38mm and thickness 2 mm. The Hub should be welded with the legs and it should accommodate and cover the lead screw mechanism. The understructure should consist of 4 legs made up of MS ERW tube of diameter 25.4 mm and 1.6mm thick. The press formed pipe leg should give a round & clean look. All the legs should be provided with 4 nos of Nylon-6 bush. All metal components should be pre treated with zinc phosphating in 9 tank process and then powder coated with anti microbial epoxy polyester powder coating to fulfill the requirements for bacterial protection against at least 2 commonly found bacteria in Hospital environment [Gram positive and Gram Negative]. Safe working load must be 135kg</p>		

138	<p>Examination Couch. Overall dimension 1975 mm (L) x 560 mm (W) x 805 mm (H). Examination couch with three drawers with three cabinets, inbuilt step stool and BP tray holder.the base frame should made of 30 mm x 30 mmX 1.6 thick ERW tube. The cabinets should made of 1 mm thick CRCA sheet with recessed plastic handles and with lock and plastic door latch. the hindges of the cabinet should be made of sheet metal and pin arrangement. The internal dimension of the two side cabinets should be 422 mm (W) x 455 mm (D) x 540 mm (H). the internal dimension of the central cabinet should be 422 mm (W) x 455 mm (D) x 358 mm (H).The storage cabinet unit should be mount tubular base frame.The head rest should be adjustable on gas spring which should be actuated with C shaped handle lever . The drawers should made of 1 mm thick CRCA sheet with recessed plastic handles and work on double extension ball slides for smooth glide. the internal dimension of the drawer should be 330 mm (W) x 427 mm (D) x 92 mm (H) The mattress platform should be 65 mm thick which is made of 12 mm thick ply and PU foam and covered with leatherite cover.the cover should be water resistant, fire retuardant, aniti microabial . the end of the top mattress surface should be tapered end edge for ergonomic benifit. There should be ss304 made tissue roll holder present on the lower side of the back rest. There should be 1 mm thick CRCA made step stool with leveler with double extension ball slide for smooth operation. There should be 1 mm thick CRCA made BP aparatus holder which should be adjustable in height on a SS made height adjustable rod. Total load bearing capacity should be 135 kg. The examination couch should be provided with six numbers levelers made of metal & plastic for adjustment on the uneven floor. All the metal parts should be pre treated and powder coated with epoxy polyester powder coating. The examination couch should have CE certification from any notifying agency or its Indian counterpart, the manuaufacturer shoudl have ISO 13485:2016 certification from any notifying agency.</p>		
139	<p>Three Seater Bench The seat shell should be a welded assembly of seat,back and side frame. The seat and back should be made of 0.12±0.013cm thk CR steel sheet with oblong perforations.They should be welded to sideframe of size 3.2±0.05cm x 0.5 ± 0.05 cm thk HR steel.The welded assembly should be powder coated (DFT 40-60 microns). The seat has a front water fall edge to provide popliteal clearance for comfortable seating. It also has a buttock support curve that not only provides rear support but also prevents small children from falling through the gap between seat and back. Clean and flat surfaces of seat and back aids in easy maintenance. * SEAT SIZE : 47.8 cm (W) x 44.6 cm (D) * BACK SIZE : 41.6 cm (W) x 23.0 cm (H) Understructure assembly consshould be ts of connecting beam and leg assembly made of M.S. E.R.W. oblong tube of size 7.5±0.03cm x 2.5±0.03cm x 0.2±0.016cm thk.The welded structure assembly should be powder coated (DFT 40-60 microns).The leg assembly should be fitted with shoes and levellers in Nylon. The leg structure should be designed with minimal should be a of contact close to ground providing easy access for cleaning purposes. The shoes fitted to leg assembly help in aligning the structure for back to back arrangements. Levellers take cshould be of uneven flooring.Connecting beam should be fitted with snap locking end cap.It also aids in side-by-side understructure alignment . Armrest assembly consshould be ts of armrest frame and armrest pad . The armrest frame should be made up of size 3.175±0.05cm x 0.47±0.027cm thk HR steel and it should be powder coated (DFT 40-60 microns). Armrest pad should be injection molded in Nylon and should be fitted onto the armrest frame. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018 Required to be kept in the central lawn for stduents.</p>		
140	<p>Canteen in the NIFT campus Admin Block</p>		
141	<p>Tables for Canteen Dining table 6 Seater PU Coated size shall be 1734 Width mm x 1175 Depth mm x 750 Height mm . Top shall be 25 mm thick base material shall be 25 mm MDF board . On top PU painting of minimum 2H hardness with 75% glass as per color chart .Combination color graphics on the centre . Brown Laminate on bottom specially profiled edges for comfort . The Understructure shall be having bend pipe structure of MS powder coated . Pipe dia 38 mm , 2 mm thick and it shall be fitted with top by SS machine screws . Legs shall be of MS powder coated and 38 mm dia. pipe legs are fixed with inderstructure and table top . Glide shall be of Plastic fixed at the understructure to prevent the damage of table top during stacking .</p>		
142	<p>Chairs for Canteen The seat and back are made uo injection moulded high impact strenght polypropylene polymer compound with indoor graade UV Resistance. The Powder coated (DFT50+ microns) weled tubular frame is made from 2.22 + 0.03 cm x 0.16+/- 0.0128cm and 3.5+/- 0.03 cmx1.5+/-0.03 cm x 0.16 +/- 0.0128 cm M.S.E.R.W tubThe Shoes are made of high impact strenght polypropylene polymer compond with indoor grad UV Resistance and pressed fitted with tubularfram. SIZE : (W) 52.5cm * (D) 55.8cm * (H) 84.5cm *(seat H) 45.0 cm Seat Size 52.5cm(W)*53.2 cm(D) Back Size 51.6 cm(W)*40.5 cm (H). OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
143	<p>Three Seater for Coridoor Admin Block/ Optimzier Ground Floor.</p>		

144	<p>Three Seater Cushioned Sofa Three Seater Cushioned with Arm.The side frame assembly shall be fitted to the two ends of the connecting beam assembly to form the leg-cum-armrest assembly. It shall be made of 0 3.81 ±0.03cm. x 0.2±0.016cm. thick cmx0.16cm and black powder coated (DFT 40-60 microns). The ends shall be fitted with ABS moulded end caps. It shall be the connecting beam assy. which holds the two side frames to each other. 2 nos tie members shall be used to connect the side frames. The tie-member shall be of dia 3.81 ±0.03cm x 02±0.016cm. thick cm x 0.16cm and black powder coated (DFT 40-60 microns). The seat/back assemblies shall be mounted on one of the tie-member which shall has 5.0 ±0.1cm x 5.0 ±0.1 cm x 0.5±0.1cm. thk 5.5 ±0.1cm Long MS. Std. angles welded to mount the seat and back. The seat rest assembly shall be consists of a fabricated inner-frame assembly insitu-moulded High Resilience (HR) Polyurethane foam having density = 45 +/- 2 Kg/cm3 with Hardness load=25±2kgf as per IS:7888 for 25% compression of the foam. The complete moulded seat rest assembly shall be covered with a replaceable fabric upholstery cover. The dimensions of seat shall be: 52.0cm. (W) X 50.0cm. (D) X 6.0cm. (T). The backrest assembly shall be flexing type and consists of a fabricated inner-frame assembly insitu-moulded with High Resilience (HR) Polyurethane foam having density = 45 +/- 2 Kg/cm3 with Hardness load 14± 2 kgf as per IS:7888 for 25% compression of the foam. The complete moulded backrest assembly shall be covered with a replaceable fabric upholstery cover. The size of the back shall be 52.0cm. (W) X 59.0cm. (H) X 6.0cm. (T) The adj. glide shall be injection moulded in black Nylon & fitted to the front end of side frame assembly along with ABS moulded adj. Glide base to take care on unlevelled floor surface. Overall Dimensions of Chair shall be Seat Height - 43.5 cm, Height - 78.5cm, Width & Depth of Chair as measured from pedestal - Width-164.0cm and Depth-70.0 cm.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018. Required to kept in the corridors of all the floors where students can sit and work on their laptops.</p>		
145	<p>20 Body 2 bay Optimizer .Overall Dimensions of SD - 2 Single Static Drive Cover Unit 2 Bay(U/C + Fittings + Cover) shall be 1830mm(W)x381mm(D)x2180mm(H). The Construction shall be rigid knock down made out of 0.8 thick CRCA steel conforming to IS : 513 . Each body shall have a main unit plus add on units (1,2,3,4,5) . Finish shall be Epoxy polyester powder coated thickness of 40 microns . Shelf construction shall be made from CRCA steel 0.8 mm thick IS :513 .Uniformly distributed load capacity of 80 Kg . Undercarriage shall have construction in welded frame made of HR sheet 3.15 mm thick conforming to IS : 10748 . Finish shall be epoxy polyester powder coat of approved color & shade with a dry film thickness of minimum 40 microns .The Movements shall be Drive Type configuration : In case of D2 & D3 movement of units is achieved mechanically through a PU Drive Wheel and Sprocket -Chain-Tensioner arrangement mounted rigidly onto body size .For D2 each movable undercarriage shall be 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 shall be centralized locking arrangement 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 placed at suitable height . This arrangement occupies a space of 90.0 mm . When the last unit is twin movable , hinged doors are provided for the end bodies, so in this case locking stiffener is mounted onto drive unit cover ; and with tile fascia option , it will be mounted in the recess of vertical trim . Each Drive Type units shall have Locking Knob near the drive wheel for manual locking of individual units when a person is using those units . Knob shall be rotated to unlock position when units are to be moved . End stoppers shall be provided to prevent derailment . Door locking shall be having hinged doors of recessed die cast handle cum lock giving 3 way locking through a lever & shooting bolts . Guide channels shall have 'J' section 2 mm thick HR & 25 mm Square bright bar . Easteners shall be galvanized/blackodized/Zn plated .The label holder shall be made from 2 mm thick clear transparent acrylic sheet . Also total no. of loading levels per understructure shall be 10 for SD2. Fascia(tiling) 3 tile pattern fascia option on drive side panel plus 3 tile pattern fascia on non-drive side panel plus 3 tile pattern fascia option on back panel of single last plus 3 tile pattern fascia option on back panel of single static . The tiles are held together by stiffeners & fasteners in 2 vertical metal trims.Overall Dimensions of LD - 2 Single Last Drive Unit 2 Bay(U/C + Fittings +Drive + Cover) shall be 1830mm(W)x381mm(D)x2180mm(H). The Construction shall be rigid knock down made out of 0.8 thick CRCA steel conforming to IS : 513 . Each body shall have a main unit plus add on units (1,2,3,4,5) . Finish shall be Epoxy polyester powder coated thickness of 40 microns . Shelf construction shall be made from CRCA steel 0.8 mm thick IS :513 .Uniformly distributed load capacity of 80 Kg . Undercarriage shall have construction in welded frame made of HR sheet 3.15 mm thick conforming to IS : 10748 . Finish shall be epoxy polyester powder coat of approved color & shade with a dry film thickness of minimum 40 microns .The Movements shall be Drive Type configuration : In case of D2 & D3 movement of units is achieved mechanically through a PU Drive Wheel and Sprocket -Chain-Tensioner arrangement mounted rigidly onto body size .For D2 each movable undercarriage shall be 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 shall be centralized locking arrangement 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 placed at suitable height . This arrangement occupies a space of 90.0 mm . When the last unit is twin movable , hinged doors are provided for the end bodies, so in this case locking stiffener is mounted onto drive unit cover ; and with tile fascia option , it will be mounted in the recess of vertical trim . Each Drive Type units shall have Locking Knob near the drive wheel for manual locking of individual units when a person is using those units . Knob shall be rotated to unlock position when units are to be moved . End stoppers shall be provided to prevent derailment . Door locking shall be having hinged doors of recessed die cast handle cum lock giving 3 way locking through a lever & shooting bolts . Guide channels shall have 'J' section 2 mm thick HR & 25 mm Square bright bar . Easteners shall be galvanized/blackodized/Zn plated .The label holder shall be made from 2 mm thick clear transparent acrylic sheet . Also total no. of loading levels per understructure shall be 10 for LD2. Fascia(tiling) 3 tile pattern fascia option on drive side panel plus 3 tile pattern fascia on non-drive side panel plus 3 tile pattern fascia option on back panel of single last plus 3 tile pattern fascia option on back panel of single static . The tiles are held together by stiffeners & fasteners in 2 vertical metal trims. 2 pairs of rail size Overall Dimensions of Channel 90° shall be 9 feet (L) . Guide channels shall consist of 'J' section 2 mm thick & 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 proper leveled condition . OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018.</p>		
146	Accessories		
147	<p>White Board 6 X 4 with Stand White Board -laminated sheet with extra melamine surface,9 mm thick MDF BOARD,Laminated sheet with extra melamine surface mix colour.Anodized 5 microns extruded aluminium section designation 63400 as per IS:1285- 2002 - Width of Aluminium Frame = 16 mm thickness +- 3 mm tolerance,Dry wipe Marker for White surface,Best with Wet cloth / Felt / Sponge , Size of the Board 6*4. Stand - Ms Pipe 50x25 mm, 1 mm thick, duly power coated. 360 degree movable castor, 2 lockable wheel and 2 without locking.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018 Rubber moulded knob at both side.</p>		
148	<p>Pinup Board. Board - Woolen felt / Fabric in various colours,9 mm thick soft board,Laminated sheet with extra melamine surface mix colour OR Galvanised steel sheet,Anodized 5 microns extruded aluminium section designation 63400 as per IS:1285- 2002 - Width of Aluminium Frame = 16 mm thickness +- 3 mm tolerance, Size of the board 6*4 Stand - Ms Pipe 50x25 mm, 1 mm thick, duly power coated 360 degree movable castor, 2 lockable wheel and 2 without locking Rubber moulded knob at both side.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018</p>		
149	<p>Foot Rest. Material Platform : Plastic - (High Impact Polystyrene) Frame - M.S. Pipe Finish Platform - Black Frame - Chrome Plated Size of Platform 450mm X 300mm</p>		

150	<p>Pigeon Hole Racks Overall Dimensions of Pigeon Hole Base 1800 H Main Modish Oak shall be 582mm(W)x400mm(D)x1200mm(H) . The Construction shall be Rigid Knock Down Construction . Material used shall be all side panels , top/bottom panels and shelf panels shall be made from 18 mm thick Pre- Laminated Board (interior grade) with 2 mm thick PVC edge beading . Back panel shall be made from 9 mm thick Pre- Laminated board . Stackability shall have Add on units stacked width wise to form a bank of racks having common side panel (max . 6 Add ons) . The shelves shall be 6' Main Module has 12 shelves placing in 207 mm distance , 4' Main module has 8 shelves placing in 270 mm distance . The Configuration shall have 6 ' Main Module , 4 ' Main Module also 6' Add on module , 4' Add on module.OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018</p>		
151	<p>Dust bin Steel. Push can 12*32, Thickness in MM - .50, weight per PC in KG +/-8%,, Volume in litres (Approx.) - 55L, Make material - MS. OEM Should have the Quality and Safety Certification like ISO 9001: 2015, ISO 14001:2015, OHSAS 45001:2018</p>		
<p>Note: NIFT Reserves the right to tender all items together as well as in Phases. NIFT also reserves the right to not to float tender for any of the above mentioned items.</p>			