

## **FURNITURE & EQUIPMENTS FOR ACADEMIC BUILDING:**

### **Furniture Details :**

#### **(1) Academic Building:**

**Comprising of – (a) Double seated Student desk, (b) Teachers Chair & table, (c) Principals Chair & Table, (d) Common Room Chair & table, (e) Visitors chair, (f) Library Furniture, (g) MDM Dinning Set.**

#### **1. Dual Desk for Students in Class Rooms: (SIZE - 1100W x 895D x 750H) in mm**



### **Specification**

Material of Desk Top-18 mm thick pre-laminated Particle Board of E1-P2 grade, Material of Support Structure or Side Pannel-25.4 mm X 1.2 mm thick round ERW tubes - 31.8 mm X 1.2 mm thick round ERW tubes and 28.6 mm X 1.2 mm thick round ERW tubes ( As per IS : 7138/ Latest ) welded together and hooks of 2 mm thick MS sheet with duly epoxy polyester powder coated min 40 - 45 microns thickness, Height of Desk Top in mm:707,Width of Desk Top in mm:1100,Depth of Desk Top in mm-330,TYPE OF DESKING-INTEGRATED DESK CUM SEATING WITH SHELF / STORAGE UNDER DESK, Desking Configuration-TWO SEATER, Length of Desking, Seating and Backrest (if provided) in mm: 1100, Material of Seat and Backrest:18 mm thick pre-laminated Particle Board of E1-P2 grade, Material of Support Structure: Mild Steel Pipe of diameter 25 mm and wall thickness 1.1 mm minimum, Material of Seat Cushion: WITHOUT CUSHION, Width of Seating in mm-1100, Height of Seat in mm-427. Width of backrest in mm - 1100Back Support for Seating of Same materail as Seating-Provided without cushion, Desk top finishing-All sides Edge to be banded with PVC tape of 2 mm thick with help of hot melt glue, **Color-Top Blue, Top Boarder-white.** OEM of offered product is ISO 9001:2015,ISO

14001:2015,ISO 18001:2007/ISO 45001:2018, GREENGUARD, Indoor Advantage Gold, GREEN PRO, certified. Colour: As per OAV colour.

## 2. Chair for Teachers in Classroom & Common room and Principal:



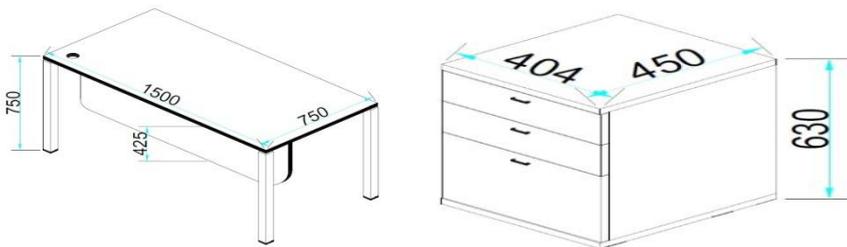
Chair Type: Non Revolving and Non Tilting Chair with Armrest. Chair Frame Type: Cantilever, Armrest type: Continuous armrest, Seat type: Padded. Backrest type: Padded. Frame Material Configuration: One piece. Frame Material: Steel Tube (ERW quality) conforming to IS:1161, Seat materials: Moulded Plywood, Seat material thickness:20mm. GSM of seat Cover:390GSM. Backrest material: Moulded plywood, Backrest upholstered with Leatherette. Seat Depth:390mm,Seat Width:460mm, Seat height from flom seat:300mm, Paint Type:Epoxy. Seat Fitted : Over flat size in depth-wish of the frame on both sides with minimum 3 screws.,Backrest Fitted:By round head screws 3 nos on each side. Armrest Fitted:With round steel screws 3 Nos. (minimum) on each side.Frame Material Configuration - One piece.Frame material-Steel tube (ERW quality) conforming to IS: 1161 (with latest Amendment),The shape of tubular section of frame-Round,Section Size (Diameter/Sides) of frame-25 mm,Frame section wall thickness-2 mm,armrest material-Injection moulded Polypropylene,Armrest material thickness-20 mm,Armrest Padded with-NA,Armrest upholstered with-NA,OEM of offered product is ISO 9001:2015,ISO 14001:2015,ISO 45001:2018 certified.

## 3. Class room Tables for teachers: 900Wx600Dx750H in mm



Storage:one side,Total Number of Storage Units:single storage,Table Top Material and Thickness:18 mm thick prelaminated Particle Board,Padestal (Under structure):Mild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm,Table Top Length:900 millimeter,Table Top Width:600 millimeter,Table Height:750 millimeter,Storage Unit and Drawer Units Material:0.6 mm M S Sheet,Depth of Storage Unit:550 millimeter,Width of Locker / Cupboard type Storage unit:355 mm,Depth of Locker / Cupboard type Storage unit:560MM,Loading capacity of table top in KG :100KG,Foot Rest Provided:YES,Paint:Powder Coated,OEM of offered product is ISO 9001:2015,ISO 14001:2015,ISO 18001:2007/ISO 45001:2018 certified.

**(I) Table for Principal: 5026 + ERU 3616+Free Standing Ped with Castors for Finesse Table.**



Finesse Table - 5026 size shall be 1500 Width mm x 750 Depth mm x 740 Height mm .Table top shall be 25 mm thick plain particle board (PPB) Clad with 0.6 mm thick post formed laminate and 1 mm thick backing laminate (bdl) .Flat edge Duly sealed with 2 mm thick PVC beading. The modesty shall be 18 mm thick plain particle board ( ) PPB Clad with 1.0 mm thick decorative laminate (DL) on both sides. Edge Sealed with 2 mm thick PVC beading.

Finesse ERU -3616 LHS size shall be 1050 Width x 450 Depth x 705 Height. The top of Finesse ERU -3616 LHS shall be 25 mm thick plain particle board (PPB) Clad with 0.6 mm thick post formed laminate and 1 mm thick Backing Laminate ( BDL).Flat Edge duly sealed with 2 mm thick PVC beading. The Modesty shall be 18 mm thick plain particle board (PPB) Clad with 1.0 mm

thick Decorative Laminate (DL) on both sides. Edge sealed with 2 mm thick PVC Beading.

Overall Dimensions of Free Standing Ped With Castors For Finnesse Table shall be 390mm(W)x440mm(D)x646mm(H). The construction & Material used shall be welded assembled, 0.8 mm thick CRCA for body shell , drawer front & tray , front side stiffener ,rear aide stiffener and 1.2 mm thick CRCA Top stiffener & Bottom stoffener . The drawer fronts shall be metal front straight edge. Locking shall be 10 lever cam lock & Central RH locking with actuator & lock channel mechanism for box-box-file Pedestal . The top panel shall be metal straight edge top. Castor should be swiveling non - lockable castors mounted below the body shell for free standing full height mobile pedestal and M8 Leveling stud for free standing pedestal . The anti-tipping mechanism shall have fifth roller arrangement mounted below file drawer to avoid toppling of unit when file drawer is pulled out . Partition in drawer shall be 1 no. Partition in box drawers with lock mounted . Plastic pencil tray shall be optional accessory. Finish shall be epoxy polyester powder coated to the thickness of 50 microns . Application shall be suitable for pushing below work surface which has got a clear height of 725 mm from below . For drawer pulling side wise tapered recess provided in shell behind drawer fronts.

**(II) Specification of Principal Chair:**



seat/back assembly: the seat should be made up of  $1.2 \pm 0.1$ cm thk. hot pressed plywood ocp-qlta-pl14-18. The back should be made up of injection moulded glass filled nylon & upholstered using net fabric with high tenacity yarn.

seat size: 47.0 cm. (w) x 51.5 cm. (d) back size :45.0 cm. (w) x 65.3 cm. (h)high resilience (hr) polyurethane foam: the hr polyurethane foam should be moulded with density  $=55 \pm 2$  kg/m<sup>3</sup> and hardness  $16 \pm 2$  kgf for 25% compression. armrests : the armrests have an up-down adjustment of  $8.5 \pm 0.5$ cm which should be provided in armrest structure. armrest top has an integrated layer of thermoplastic elastomer (tpe).

lumbar support assembly: the lumbar support cons should be ts of polypropylene pad with moulded polyurethane foam & covered with polyester fabric. the height of lumbar pad can be adjusted through two

projecting knobs provided on the rear side of the pad. lumbar pad has an adjustment of  $8.0 \pm 0.5$  cm in height.

front pivot synchro mechanism: the adjustable tilting mechanism should be designed with the following features.

- 360° revolving type.
- single point control.
- front-pivot for tilt with feet resting on ground ensuring more comfort.
- tilt tension adjustment.
- 4-position locking with anti-shock feature.
- seat/back tilting ratio of 1:2.

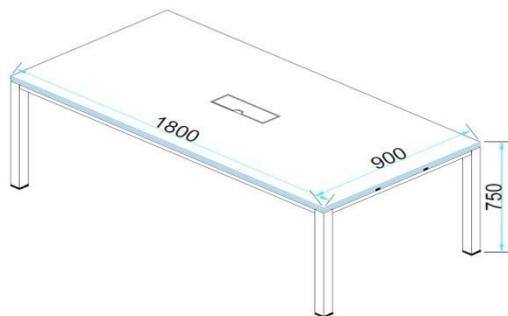
pneumatic height adjustment: the pneumatic height adjustment has an adjustment stroke of  $10.0 \pm 0.3$  cm.

pedestal assembly: the pedestal should be injection moulded in black 30% glass-filled nylon and fitted with 5 nos. twin wheel castors. the pedestal pitch-center dia should be  $\varnothing 66.1 \pm 0.5$  cm ( $76.1 \pm 1.0$  cm. with castors).

twin wheel castors: the twin wheel castors should be injection moulded in black nylon. SEAT SIZE: 47.0 cm. (W) x 51.5 cm. (D) BACK SIZE:

45.0 cm. (W) x 65.3 cm. (H)

### (III) Specification of Common Room table for teacher:



Material of Table Top: Three Layer Prelaminated Particle Boards Of Grade-II Type-II Of IS:12823/Latest. Material of Legs: Material of Modesty Panel N.A, Thickness of Metal Sheet / MDF Board used for modesty panel (in mm) +/- 5% NA MS pipe of 75 mm width and 25 mm thick. Seating: Capacity 6 SEATER, Shape of Table Top: Rectangular, Wire Management: Without, Number of socket box :0, In Built Sockets for LAN / Internet: No, Type of Socket Box: No Socket Box, Wire entry System: N.A, Type of understructure: Leg type, Number of Legs per Seat :4, Leg Top Attachment: Powder coated MS plate of thickness 3.0 mm, Leg Bottom Attachment: N.A, Leg assembled together with guide at bottom: NA, At Top Leg assembled together with: 3 mm thick M S sheet powder coated, Modesty panel: N.A, Length in mm (Select NA in case of Round Table)  $\pm 10$ (mm): 1850, Width in mm (Diameter in case of Round Table)  $\pm 10$ (mm) :900, Height in mm ( $\pm 5$  mm): 750 mm, Thickness of Top  $\pm 2$ (mm): 25 millimeter, Height of Modesty Panel  $\pm 5$ (mm): NA, Colour of Laminate: teak, Packing: Five Ply Corrugated Board And Strapped With 12 Mm Hdpe Strap, OEM of offered product is ISO 9001:2015, ISO 14001:2015, ISO 18001:2007/ISO 45001:2018, GREENGUARD, certified.

(IV) **Specification of Common Room Chair for teacher**



1. SEAT/BACK (CAFÉ/ARM/DESKLET/LOUNGE): The Seat and back are made up of injection moulded high impact strength polypropylene polymer compound with indoor grade UV resistance (Refer colour chart in product catalog)

- SEAT SIZE : 52.5cm. (W) x 53.2cm.(D)
- BACK SIZE : 51.6cm.(W) x40.5 cm.(H)

2. M.S UNDERSTRUCTURE OPTION FOR CAFÉ CHAIR : The Powder coated tubular welded frame is made from Dia 2.22 + 0.03 cm x 0.12 + 0.0128 cm and 3.5 + 0.03 cm X 1.5 +0.03 cm x 0.12 + 0.0128 cm. M.S E.R.W. tube.

3. SHOE: The shoes are made of high impact strength polypropylene polymer compound with indoor grade UV resistance and pressed fitted with tubular frame.

4. UPHOLSTRY An upholstery cover can be retro filled on to seat and back. The seat cover is made from High abrasion resistance fabric with from lamination and 2.5 cm PU Foam insert. The back cover I made from High abrasion resistance fabric with foam lamination and 0.1 cm PU Foam insert. Product will be certified - GREENPRO, GREENGUARD,INDOOR ADVANTAGE GOLD.GRIHA.

(V) **Specification of Library Chair**



SEAT/BACK (CAFÉ/ARM/DESKLET/LOUNGE): The Seat and back are made up of injection moulded high impact strength polypropylene polymer

compound with indoor grade UV resistance (Refer colour chart in product catalog)

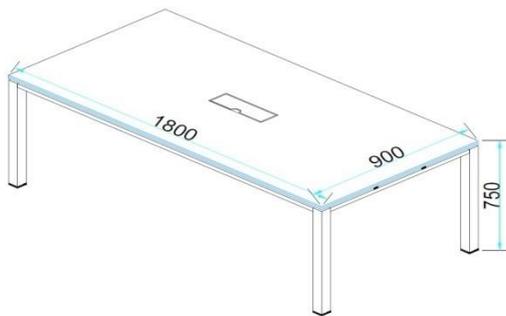
- SEAT SIZE : 52.5cm. (W) x 53.2cm.(D)
- BACK SIZE : 51.6cm.(W) x40.5 cm.(H)

2. M.S UNDERSTRUCTURE OPTION FOR CAFÉ CHAIR : The Powder coated tubular welded frame is made from Dia 2.22 + 0.03 cm x 0.12 + 0.0128 cm and 3.5 + 0.03 cm X 1.5 +0.03 cm x 0.12 + 0.0128 cm. M.S E.R.W. tube.

3. SHOE: The shoes are made of high impact strength polypropylene polymer compound with indoor grade UV resistance and pressed fitted with tubular frame.

4. UPHOLSTRY An upholstery cover can be retro filled on to seat and back. The seat cover is made from High abrasion resistance fabric with from lamination and 2.5 cm PU Foam insert. The back cover I made from High abrasion resistance fabric with foam lamination and 0.1 cm PU Foam insert. Product will be certified - GREENPRO, GREENGUARD,INDOOR ADVANTAGE GOLD.GRIHA.

#### (VI) Specification of Library table:



Material of Table Top: Three Layer Prelaminated Particle Boards Of Grade-II Type-II Of IS:12823/Latest.Material of Legs:Material of Modesty Panel N.A,Thickness of Metal Sheet / MDF Board used for modesty panel (in mm) +/- 5% NA MS pipe of 75 mm width and 25 mm thick.Seating: Capacity 6 SEATER,Shape of Table Top: Rectangular,Wire Management: Without,Number of socket box :0,In Built Sockets for LAN / Internet: No,Type of Socket Box: No Socket Box,Wire entry System: N.A,Type of understructure: Leg type,Number of Legs per Seat :4,Leg Top Attachmen:t Powder coated MS plate of thickness 3.0 mm,Leg Bottom Attachment: N.A,Leg assembled together with guide at bottom: NA,At Top Leg assembled together with: 3 mm thick M S sheet powder coated,Modesty panel: N.A,Length in mm (Select NA in case of Round Table) ±10(mm): 1850,Width in mm (Diameter in case of Round Table)±10(mm) :900,Height in mm (±5 mm): 750 mm,Thickness of Top ±2(mm): 25 millimeter,Height of Modesty Panel ±5(mm): NA,Colour of Laminate: teak,Packing: Five Ply Corrugated Board And Strapped With 12 Mm Hdpe Strap,OEM of offered product is ISO 9001:2015,ISO 14001:2015,ISO 18001:2007/ISO 45001:2018, GREENGUARD, certified.

**(VII) Specification of 08 seated SS Dining Set ( For MDM )**



- a) Stainless Steel Dining Table with robust structure of dimension 2800 X 900 X 750 mm with good stability.
- b) Top: - 25mm thick SS plate of good quality Steel section. The Vertical supports are SS material with levelled foot rest. The edges of Table Top is bevelled edges with proper fillet.
- c) The seating stools are SS material and attached folding type. The size of stool in minimum 600 mm diameter and the gap between 02 stools is minimum 250 mm.

**(VIII) Specification of Steel wall Almira:**



Technical specification of Almirah steel Generally conforming to BIS specification IS: 3312:2021 (with latest amendment),Type of Almirah steel Almirah Steel wardrobe(having cloth hanging provision)  
Construction type Welded,Installation Free standing,Pedestal Yes,Pedestal fitted with 3 mm Teflon Bush,Pedestal height ( $\pm 5$  mm) 125 mm,Locker required Yes,Door type Hinged,Number of door 2, Number of hinges (for each door) 3,Door stiffener up to full door height provided Yes,Mirror fitted No mirror,Number of drawers required No Drawer,Shelves required Adjustable,Number of shelves 2, Uniformly distributed load (UDL) for shelves 60 Kgs.Wardrobe by style Full size,Tie Hanger No,

Colour of finish Prince Grey,Steel sheet material CRCA sheets conforming to grade CRI of IS 513(part-1):2016 (with latest amendment),Sheet rounds and flats N.A,Screws Conforming to IS 1365,Hanging rod material Round ERW tube conforming to IS 7138,Mirror frame made out of (if provided) No mirror frame,Tie hanger made out of Mild steel sheets,Stiffener material MS sheet,Almirah height(excluding the height of pedestal)  $\pm 5$  mm 1980 mm,Almirah width  $\pm 5$  mm 910 mm,Almirah depth  $\pm 5$  mm 480 mm,Locker inside height  $\pm 5$  mm 200 mm,Locker inside width  $\pm 5$  mm Full size of almirah width,Locker inside depth  $\pm 5$  mm As per suitability of almirah depth,Drawer height N.A

Drawer width N.A,Drawer depth N.A,Mirror sizes N.A,Shelves lipped flange 35 mm,Side sheet thickness 0.8 mm,Back sheet thickness 0.8 mm,Top sheet thickness 0.8 mm,Bottom sheet thickness 0.8 mm,Shelves sheet thickness 0.8 mm,Shelves supporting bracket thickness 1.6 mm,Door metal stiffener thickness 0.8 mm,Pedestal sheet thickness 0.8 mm,Hinges sheet thickness 1.25 mm(double folded), locker door sheet thickness 0.9 mm,Drawer sheet thickness N.A,Hanging rod wall thickness 1.0 mm,

Hanging rod diameter  $\pm 2$  mm 20 mm,Steel Almirah lock/locker lock Six lever lock,Material of lock MAZAK Zinc plated,Duplicate keys (for each) Yes,Keys material (for each lock) Keys made of MAZAK/ZAMAK having nickel plated finish,Steel Almirah locking mechanism A three way bolting device controlled by a lock,Door handle material for almirah lock Zinc based alloy,Handle material for locker Zinc based alloy,Lockers locking mechanism Two way bolting system controlled by the lock

Drawer lock 4 levers lock,All the mild steel parts shall be given phosphating treatment Conforming to Class c of IS 3618,The process of application of phosphate coating Accordance with IS 6005,Powder coating With 50 micron thickness minimum,OEM of offered product is ISO 9001:2015,ISO 14001:2015,ISO 18001:2007/ISO 45001:2018,

GREENGUARD, Indoor Advantage Gold, GREEN PRO, GRIHA certified  
Warrant: 1 year,

**(IX) Specification of Glass wall Almira:**



Technical specification of Almira steel: Generally conforming to BIS specification IS: 3312:2021 (with latest amendment), Type of Almira steel: Almira Steel with Glass door, Construction type: Welded, Installation: Free standing, Pedestal: Yes, Pedestal fitted with: 3 mm Teflon Bush, Pedestal height ( $\pm 5$  mm) : 125 mm, Locker required: No, Door type: Hinged, Number of door: 2, Number of hinges (for each door) : 3, Door stiffener up to full door height provided: No, Mirror fitted: No mirror, Number of drawers required : No Drawer, Shelves required: Adjustable, Number of shelves 4, Uniformly distributed load (UDL) for shelves: 60 Kgs. Wardrobe by style: No wardrobe, Tie Hanger: No, Colour of finish: Silver Grey, Steel sheet material: CRCA sheets conforming to grade CR1 of IS 513(part-1):2016 (with latest amendment), Sheet rounds and flats: N.A, Screws: Conforming to IS 1365, Hanging rod material : No hanging rod, Mirror frame made out of (if provided): No mirror frame, Tie hanger made out of : N.A, Stiffener material: No stiffener, Almira height(excluding the height of pedestal)  $\pm 5$  mm: 1980 mm, Almira width  $\pm 5$  mm: 920 mm, Almira depth  $\pm 5$  mm: 490 mm, Locker inside height  $\pm 5$  mm : No locker, Locker inside width  $\pm 5$  mm: N.A, Locker inside depth  $\pm 5$  mm: N.A, Drawer height: N.A, Drawer width: N.A, Drawer depth: N.A, Mirror sizes : N.A, Shelves lipped flange: 35 mm, Side sheet

thickness: 0.9 mm,Back sheet thickness: 0.8 mm,Top sheet thickness :0.9 mm,Bottom sheet thickness: 0.9 mm,Shelves sheet thickness: 0.7 mm,Shelves supporting bracket thickness: 1.6 mm,Door metal stiffener thickness: N.A,Pedestal sheet thickness: 0.8 mm,Hinges sheet thickness: 1.6 mm,locker door sheet thickness: N.A,Drawer sheet thickness N.A,Hanging rod wall thickness N.A,Hanging rod diameter  $\pm 2$  mm N.A,Mirror frame sheet thickness N.A,Mirror frame border width N.A,Tie hanger sheet thickness N.A,Width of stiffener N.A,Stiffener sheet thickness N.A,Number of glass sheet fixed: 4, Handle size :12 cm,Steel Almirah lock/locker lock :Six lever lock,Material of lock: Finish having brass levers and MAZAK/ZAMAK bolt having Zinc plated finish along with MAZAK/ZAMAK handle,

Duplicate keys (for each): Yes,Keys material (for each lock): Keys made of MAZAK/ZAMAK having nickel plated finish,Steel Almirah locking mechanism: A three way bolting device controlled by a lock, Door handle material for almirah lock :Zinc based alloy,Powder coating Conforming to IS: 13871,OEM of offered product is ISO 9001:2015,ISO 14001:2015,ISO 18001:2007/ISO 45001:2018, GREENGUARD, Indoor Advantage Gold,GREEN PRO,GRIHA certified Warrant:1 year

**(X) Specification of Visitor Chair:**



SEAT/BACK (CAFÉ/ARM/DESKLET/LOUNGE): The Seat and back are made up of injection moulded high impact strength polypropylene polymer compound with indoor grade UV resistance (Refer colour chart in product catalog)

- SEAT SIZE : 52.5cm. (W) x 53.2cm.(D)
- BACK SIZE : 51.6cm.(W) x40.5 cm.(H)

2. M.S UNDERSTRUCTURE OPTION FOR CAFÉ CHAIR : The Powder coated tubular welded frame is made from Dia 2.22 + 0.03 cm x 0.12 + 0.0128 cm and 3.5 + 0.03 cm X 1.5 +0.03 cm x 0.12 + 0.0128 cm. M.S E.R.W. tube.

3. SHOE: The shoes are made of high impact strength polypropylene polymer compound with indoor grade UV resistance and pressed fitted with tubular frame.

4. UPHOLSTRY An upholstery cover can be retro filled on to seat and back. The seat cover is made from High abrasion resistance fabric with from lamination and 2.5 cm PU Foam insert. The back cover I made from High abrasion resistance fabric with foam lamination and 0.1 cm PU Foam insert. Product will be certified - GREENPRO, GREENGUARD,INDOOR ADVANTAGE GOLD.GRIHA.

#### **(XI) Specification of Office Chair:**



Chair Type: Non Revolving and Non Tilting Chair with Armrest.Chair Frame Type:Cantilever,Armrest type:Continuous armrest, Seat type:Padded. Backrest type: Padded. Frame Material Configuration:One piece. Frame Material: Steel Tube (ERW quality) conforming to IS:1161, Seat materials: Moulded Plywood,Seat material thickness:20mm. GSM of seat Cover:390GSM. Backrest material:Moulded plywood, Backrest upholstered with Leatherette. Seat Depth:390mm,Seat Width:460mm, Seat height from flom seat:300mm, Paint Type:Epoxy. Seat Fitted : Over flat size in depth-wish of the frame on both sides with minimum 3 screws.,Backrest Fitted:By round head screws 3 nos on each side. Armrest Fitted With round steel screws 3 Nos. (minimum) on each side Frame Material Configuration - One piece Frame material-Steel tube (ERW quality) conforming to IS: 1161 (with latest Amendment),The shape of tubular section of frame-Round Section Size (Diameter/Sides) of frame-25 mm Frame section wall thickness-2mm armrest material-Injection moulded Polypropylene Armrest material thickness-20 mm Armrest Padded with-NA,Armrest upholstered with-NA,OEM of offered product is ISO 9001:2015,ISO 14001:2015,ISO 45001:2018 certified.

**(I) Specification of Office Table: (Size - 1199Wx590Dx735H) in mm**



TOP WORKSURFACE-The panels are made from 18 mm thk pre-laminated boards as per with 2mm thick PVC Edge banding on all sides.UNDERSTRUCTURE - C-FRAME-Made from 0.9mm thk powder coated 50microns CRCA MS. TUBULAR FRAME - Dia 25.4mm x 1.2mm Thk MS ERW tube. Modesty Panel - Made from 1.0mm thk powder coated 50microns CRCA MS. STORAGE - Shell:0.6mm thk CRCA,Drawer Tray & back:0.5mm thk CRCA,Drawer Front:0.6mm thk CRCA,Lock:Cam Lock. Handles:Plastic Handle. 3 drawer - DUN-8- (Size - 355.5Wx559Dx452H) in mm. Storage - One Side. Total Number of Storage Units:triple Storage.Loading Capacity of table top in KG:100KG,Product is certified-ISO-9001:2015,ISO 14001:2015,ISO 18001:2007/ISO 45001:2018. Warranty:1 year.