

TECHNICAL SPECIFICATION SHEET
FOR
UNDP OFFICE

TECHNICAL SPECIFICATION FOR FALSE CEILING

1. Gypsum Board False Ceiling

- Gypsum board Core shall be regular gypsum core
- Gypsum board Overall thickness shall be 12mm thick
- Surface Paper: 100 percent recycled content paper on front, back and long edges
- Gypsum board Long edges shall be Squared or tapered
- Fiber tape shall be used at the joints of minimum 50mm wide
- Ready mix joint compound shall be used
- GI frames with suspension hangers shall be placed with spacing no larger than 300 mm

2. Mineral Fiber Acoustic Suspended Ceiling

- Mineral Fiber Acoustic Suspended ceiling shall be of size 595mm x 595mm beveled tegular edged
- Mineral Fiber Acoustic Suspended ceiling Overall thickness shall be 14mm thick
- Mineral Fiber Acoustic Suspended ceiling board should have Noise Reduction Coefficient (NRC value) = 0.5, Humidity Resistance (RH) of 95%
- Mineral Fiber Acoustic Suspended ceiling board all edges shall be beveled or tapered
- Ceiling to be hanged on Silhoutte profile grid system with face profile 15mm, hot dipped galvanized steel
- Silhoutte profile grid need to be installed with Suspension system

3. WPC Baffles Ceiling

- WPC Baffle shall be made of mixture of wood dust & poly ethylene mainly.
- Colour shall be of wooden texture
- Size shall be 40mm x 100 mm (W x H) & shall have 100mm Gap, Including all accessories such as hanging arrangement, screws and other accessories
- All suspended hanger, clips, unigrid channel shall be Galvanised mild steel
- Installation shall be done as per manufacturer's specification
- Shall have dimensional stability, longevity resistance to rot and crack, Stable over a wide temperature range, weather resistant, Moisture resistant, low flame spread, High impact resistant, Outstanding screw and nail retention, Environmentally friendly, recyclable and Contains no toxic chemicals or preservatives
- Color of Baffle shall be approved prior to installation

TECHNICAL SPECIFICATION FOR COLUMN CLADDING & PARTITION

1. Column Cladding

- Cladding shall be 1/2" thk with designed laminate(Century Mica/Green Lam/ Merinolam) finish on all sides over 12mm ply (Surya/Sagun/Greenboard/Duro) with necessary packing for line level installation

2. Partition Low Height & full Height

- Partition shall be 3" thk with designed laminate(Century Mica/Green Lam/ Merinolam) finish on both sides over 12mm ply (Surya/Sagun/Greenboard/Duro) fixed on haldu or pine wood frame work of 2"x2" sections
- The partition shall have necessary openings for door/windows all complete as per design drawing.
- There shall be separate slots for passage of data and electrical wires
- Glass shall be 8mm toughened clear edge polished glass with frosted sticker.
- Smooth, seasoned Pinewood batten shall be used for fixing glass on partition along with proper silicon sealing & capping on top, open sides of low height partition.
- Size of capping on low height partition 3" x 3/4" as per design & lacquer finished clear polish on wooden capping

3. Partition Full Height with sound insulation material

- Partition shall be 3" thk with designed laminate(Century Mica/Green Lam/ Merinolam) finish on both sides over 12mm ply (Surya/Sagun/Greenboard/Duro) fixed on haldu or pine wood frame work of 2"x2" sections
- Partition shall have rock wool of 50mm thick, filling for acoustic treatment.
- The partition shall have necessary openings for door all complete as per design drawing.
- There shall be separate slots for passage of data and electrical wires

4. Wooden Skirting

- Smooth, seasoned Pinewood skirting of 3" height & 1/2 "thick
- Lacquer finished clear polish on wooden skirting with proper sanding

TECHNICAL SPECIFICATION FOR Toughen Glass Swing door

- Glass shall be clear 12mm toughened
- Dimension as per drawing details attached
- Partition hinge to be used, type glass hinge, wall to glass hinge 90°, suitable for 12mm glass
- Lock to be used, Patch Lock type Patch lock with strike box for full height door & Patch lock with strike plate for low height door, suitable for 12mm glass
- Door Handle rectangular section pull handle with back to back installation on glass with gaskets to prevent the contact between glass & metal.
- Hinge, Lock & Handle shall be made of High quality SS material with high operational values

TECHNICAL SPECIFICATION FOR FURNITURE & PARTITION & FLOORING

1. Executive & Staff Working Tables

Work Top:

- 25mm thick Pre-laminated MDF board
- Work top size as per the drawing
- Color of work top shall be approved prior to fabrication
- Work top shall have both side laminated
- Work top edge shall be provided with machine pressed 2mm thick PVC lipping/ edge binding
- Table top shall have 8" x 1 ½" cutout for cable routing.

Metal Frame work:

- Metal legs of working table shall be powder coated (imported)
- Powder Coating should withstand salt spray test & scratch hardness test
- Color of Powder coat shall be approved prior to fabrication
- Design of legs shall be approved prior to fabrication

2. Three Drawer Pedestal

- Three drawer pedestal shall be of 18mm thick Pre-laminated MDF board with both side laminated & machine pressed 2mm thick PVC lipping/ edge binding
- Pedestal shall have adjustable wheel mounted on it
- Drawers shall be of 3 equal size drawer duly fixed under the work surface
- Drawers shall have channel arrangement for smooth operation, with best quality stainless steel profile handle and latest technology locking system as per drawing

3. Storage Cabinet

- Storage shall be of Pre-laminated MDF board, Top 25mm thick, sides 18mm thick and back 12mm thick having best quality stainless steel profile handle and latest technology locking system as per drawing
- It should have one adjustable shelf for effective space utilization
- Doors per unit shall be as per drawing
- All edges shall be provided with machine pressed 2mm thick PVC lipping/ edge binding

4. Conference Storage Cabinet

Structure:

- Storage shall be of 19mm thick Ply/ board and back 12mm thick having best quality stainless steel profile handle and latest technology locking system as per drawing
- Storage size as per the drawing
- Top & top edge of the counter shall be 12mm thick acrylic solid surface
- Color of acrylic solid surface shall be approved prior to fabrication
- Laminate Color of cabinet shall be approved prior to fabrication (Wooden Grain Textured)
- Cabinet shall have both side laminated
- Outer sides 1mm thick laminates & inner sides 0.8mm thick laminates
- All edge shall be provided with machine pressed minimum 2mm thick PVC lipping/ edge binding

5. Planter Box

Structure:

- Planter box shall be of 19mm thick Ply/ board with GI sheet at base of planter vase placement position to avoid water dropping off
- Planter Box size as per the drawing
- Laminate Color of cabinet shall be approved prior to fabrication (Plain white)
- Planter Box shall have both side laminated
- Outer sides 1mm thick laminates & inner sides 0.8mm thick laminates
- All edge shall be provided with machine pressed minimum 2mm thick PVC lipping/ edge binding

6. Corner Table

Work Top:

- 25mm thick Pre-laminated MDF board
- Work top size as per the drawing
- Color of work top shall be approved prior to fabrication (Wooden Grain Textured)
- Work top shall have both side laminate
- Work top edge shall be provided with machine pressed minimum 2mm thick PVC lipping/ edge binding

Metal Frame work:

- Metal legs of Corner table shall be SS chrome finished
- Table frame made from Square x 1.2mm thick SS chrome finished Pipe

8. Monitor Arm

- Monitor Arm shall be Stable & strong
- Shall provide ability to balance loads between 4 – 18 pounds
- Shall have Integrated wire management from monitor to worksurface
- Shall provide swivel & tilt adjustability for the monitor
- 12 inches of counterweight focal height adjustment
- 20 inches of focal depth adjustment
- Custom hub height of 6 inches to promote maximum user adjustability
- Angled arm designed to accommodate petite and large stature users
- Supported with desk-edge, bolt-through, grommet and Accessory Element

9. Sofa

- Sofa size as per the drawing
- Sofa should be foam- cushioned of super high density with Springs as required for comfortable seating
- The seat and back shall be made out of Hardwoods Maple or Oak
- The seat and back shall be covered with 100mm & 50 mm thk. 32 density U foam
- Fabric / Leatherette shade and quality shall be approved prior to fabrication
- Legs shall be of 25mm x 25mm Stainless Steel (Chrome finished) of required height

TECHNICAL SPECIFICATION FOR WINDOW BLINDS (Roller)

- Window blinds system shall be a chain operated roller system utilizing a bidirectional, wrap spring clutch
- Shall be capable of smoothly raising and lowering the blind to any desired height, and maintaining that height with no slippage
- The clutch shall be nylon construction and available in White.
- End plug shall be a spring loaded for easier installation
- Universal mounting brackets must be capable of mounting inside, outside, or to the ceiling, with the clutch on either the right or left end of the roller.
- Roller tube shall be extruded aluminum
- Fabric shall be attached to the tube with an adhesive strip
- A minimum of one turn of fabric must be placed on the roller before the working section of fabric starts
- Fabric used shall be fire retardant
- Screen fabric for office area
- Complete blackout fabric for conference room
- Fabric sample shall be approved prior to fabrication

TECHNICAL SPECIFICATION FOR FLOORING

Pre-laminated Wooden Parquet Floor:

- Pre-laminated wooden flooring
- High pressure laminated for high foot traffic area
- Total Thickness 8mm
- Tongue & Groove Locking system, without using glue
- Matt lacquer finished
- Fade resistant
- Termite Resistant
- Water Resistant
- Micro Beveled edge
- Single stripped pattern
- Footfall noise level less than 20dB
- 10 years minimum warranty
- Backing foam 3mm

LIST OF APPROVED MAKES

General Specifications for Interior Works

S.No.	Material	Make
1	Ply/ Board	Surya, Sagun, Green, Duro
2	Prelaminated MDF Board	Tesa, Green Panelmax
3	Laminates (1mm)	Greenlam, Century, Merinolam
4	Hardware	Hettich, Dorma, Godrej, Haffle
5	Hardware for glass door	Ozone, Klazma, Dorma
6	Foam	Everest, Dunlop
7	Gypsum Board	Boral, Elephant
8	WPC Baffles Ceiling	Armstrong, Rucca
9	Mineral Fiber Acoustic Suspended Ceiling	Armstrong
10	Pre-Laminated parquet Flooring	Tesa, Krono Swiss
11	Window Blinds	Vista
12	Paints	Asian, Berger
13	Wall Putty	JK, Asian
14	Switches/ Sockets	Schneider
15	Lights	Wipro, Phillips
16	MCB, MCCB	Schneider, Havells

Note: The shade/colour/texture/pattern of all the materials will be selected by the Designer /Employer and the samples shall be produce by the Contractor for selection.

SAMPLE OF ITEMS

Glass Hinge	Glass Door Lock with strike box	Glass Door Lock with strike Plate
		
Square Door Handle	Metal Leg for working table	Monitor Arm
		
Socket	Popup Box	Switches
		

Note: Above pictures of items are only sample provided by the Designer for contractor to understand the items and the proposed samples shall be produce by the Contractor for selection.