

















TECHNICAL SPECIFICATIONS FOR MODULAR FURNITURE

Detailed technical specifications of modular office furniture items such as Mastro type table for site incharge room, Conference hall table, Modular office type cubicle 4-seater, 2- seater, 1- seater, Tables, Racks, Site incharge chairs, Chairs for senior executive, Chairs for executive & conference hall, Chairs for visitors, Three seater sofa, Teapoy table, L type table for executives, Office table, Office running tables, Plain cupboards, Vertical filing cabinets & High glass hinged door unit etc.

SL. NO.	ITEM DESCRIPTION	DEATEILED SPECIFICATION	REFERENCE IMAGE
1	Mastro type table for site incharge including fixed side written table, mobile pedestal etc.	Supplying & Placing Modular table size 2100mm X 1800mm X 750mm that is to be assembled at site. The top shall have the size 1900mm X 900mm made up of 45mm thick Pre-laminated particle board , Edges shall be sealed with 2mm thick thin strip PVC . The table top shall be supported on 75mm Peg mounted over side storage unit and fixed pedestal. The end wall of the table on the side shall be topped by gable end. 18mm thick modesty panel which provide structural support for the table. The table shall have side unit for storage purpose with an overall size 1800mm X 510mm X 625mm. It shall have 3 drawer and 2 sliding shutter. Indian Design Mark Certify, Pedestal shall be provided with an overall size 455mm X 685mm X 485mm. The pedestal shall have 2 nos. of drawer.	
2	Conference hall table of seating capacity minimum 22nos.	Conference table in size 11250mm X 1800mm X 750mm that is to be assembled at site. Made up of back to back 25mm thick pre-laminated particle board . The modesty panel shall be 18mm thick pre-laminated particle board with appropriate PVC edge banding Wire carrier shall be provided below the table top for power connection having size 60mm X 125mm made of 0.8mm thick high yield strength of CRCA sheet.	
3	Conference hall table of seating capacity minimum 10nos.	Conference table overall size 3600mm X 1200mm X 750mm , The table top shall have the size 1800mm X 1200mm made up of 2 nos. 25mm thick Pre-laminated particle board , The table shall be supported by particle board base gable end. The table shall be clad with 18mm thick modesty panel which provide structural support for the table. The modesty panel shall have have with 18mm thick Pre-laminated particle board with appropriate PVC edge banding connected with both end.	
4	Modular office type cubicle with supporting pedestal, keyboard tray, CPU trolley etc. as per finalised furniture layout drawing by BHEL Engineer incharge.	Workstation table in completely knock down conditions with an overall height 1200mm that is to be assembled at site. The worktop shall have the size 1800mm/600mm X 1800mm/600mm made up of 25mm thick Pre-laminated particle board , The top shall be supported on particle board base gable end. keyboard tray shall be provided of 18mm thick Pre-laminated particle board having size 550mm X 280mm. The workstation shall have aluminium panel based partition of 45 mm thick Lowest section size (from floor) - 2'6" partial board (25mm thick prelaminated partial board with 2mm edge banding) and top section size - 1'6" pin ub board duly upholstered. with overall height 1200mm with duly powder coated with 40-60μ thick. 2 Nos. of Aluminium Raceway shall be situated below the worktop with an overall size 116mm(H) X 60mm(D) with 1.4 mm cover thickness and 2mm back thickness as per requirement of inlaying the electrical management and carrying the wire horizontally. Mobile pedestal size W400 x D450 x H680mm. A CPU unit shall be provided with an overall size 470mm X 286mm with 18mm thick Pre-laminated particle board.	
4.1	4 seater cubicle		
4.2	2 seater cubicle		
4.3	1 seater cubicle		
5	Site Incharge chair	High back chair with 18mm thick hot pressed commercial plywood. The same shall be upholstered with leatherite tapestry 0.8mm thick and 535 GSM. The chair Arms: PP Arm with cushion, Powder coated Base with 5 Nos.Twin Wheel Castor, Chair shall have Torsion bar 360 degree revolving mechanism, user can adjust seat height up to 65mm with BIFMA standard class-3 Gas-lift . The seat size shall be 480±10 mm(D) X 520±10 mm(W) and back size shall be 540±10 mm(W) X 710±10 mm(H) from seat. Overall height shall be = 1140±10 mm, overall depth/width = 700±10 mm.	

6	Chair for senior executive	High Back Chair, PU Adjustable Arm, Gas Lift, Nylon Base, Seat & Back Mesh Tapestry Synchro Tilt Machenisum, The seat size shall be 465±10 mm(W)X465±10 mm(D) and back size shall be 505±10 mm(W)X510±10 mm(Ht) from seat.	
7	Chairs for executive and conference hall	Medium Back Chair, PU Adjustable Arm, Gas Lift, Nylon Base, Seat & Back Mesh Tapestry Synchro Tilt Machenisum, The seat size shall be 465±10 mm(W)X465±10 mm(D) and back size shall be 505±10 mm(W)X510±10 mm(Ht) from seat.	
8	Chairs for visitors	Visitor Chair, PP Fixed Arm, Gas Lift, Powder Coated Stand, Seat & Back Mesh Tapestry. The seat size shall be 465±10 mm(W)X465±10 mm(D) and back size shall be 505±10 mm(W)X510±10 mm(Ht) from seat.	
9	Three seater sofa	Three seater sofa that shall be constructed from natural hard wood and commercial plywood having inner frame. The frame shall be padded with high resilience polyurethane foam having density 40Kg/m ³ in seat and 32Kg/m ³ in back. There shall be cushion arm, The seat size shall be 540±10 mm(D) X 1550±10 mm(W), seat height = 430±10 mm, overall width = 1920±10 mm, overall depth = 755±10 mm & overall height = 750±10 mm.	
10	Teapoy table	Center table with an overall size 1200mm X 600mm X 450mm. The top shall be made up of 12mm thick toughened glass. The bottom storage shelf shall be provided with an overall size 1155mm X 280mm made of 8mm thick toughened glass with bevelled edges. The glass shall be supported on vacuum caps situated over SS 202 grade pipe frame. The under structure shall have SS pipe frame having size 67mm X 13.5mm. There shall be PPCP shoe provided to avoid scratches on the floor.	
11	L type table for executives size 4 1/2' x 2' or 4 1/2' x 1 1/2'	L Types Table, overall size 1800mm X 1650mm X 750mm of 25mm thick particle board with approved laminate. A keyboard tray shall be provided of 18mm thick Pre-laminated particle board having size 550mm X 280mm. The table shall have side unit for storage purpose with an overall size 900mm X 450mm X 750mm. The side unit shall be made up of Pre-laminated particle board. A mobile pedestal shall be provided with an overall size 400mm X 450mm X 680mm. The pedestal shall have 3 nos. of drawer i.e. 2 box drawer and 1 filing drawer. A movable type CPU unit shall be provided with an overall size 468mm X 284mm.	
12	Office table size 4 1/2' x 2	Office Table overall size 1200mm X 600mm X 750mm. The construction of the main table shall be free standing structure constructed with the help of minifix dowels and pins. The table top shall be made up of 25mm thick particle board with approved laminate. A pullout keyboard tray shall be provided of 18mm thick Pre-laminated particle board having size 550mm X 280mm. Mobile pedestal shall be provided with an overall size 400mm X 450mm X 650mm. The pedestal shall have 3 nos. of drawer i.e. 2 box drawer and 1 filing drawer. A movable type CPU unit shall be provided with an overall size 468mm X 284mm. The CPU unit shall be made up of 18mm thick Pre-laminated particle board and mounted on nylon castors.	

13	Office running table with centre partition size 4'x2'	<p>Workstation table in completely size 1320mm X 660mm X 1200mm that is to be assembled at site. The work top shall have the size 1200mm X 600mm made up of 25mm thick Pre-laminated particle board . Keyboard tray shall be provided of 18mm thick Pre-laminated particle board having size 525mm X 350mm. panel based partition of 60 mm thick with overall height 1200mm. The partition shall be linear in profile and provided in the front side of user as well as on the both sides of the user. The top trim, top bar, mid bar, vertical bar, raceway, skirting shall be made up of aluminium extrusions (pre-treated) and duly powder coated with 40µ-60µ thick. The pedestal shall have 3 nos. of drawer i.e. 2 box drawer and 1 filing drawer. The drawer shall be operated with SS handle and easily close & open with the assistance of roller channel and ball bearing channel to enable smooth operation. The drawer shall have central locking mechanism in which all the drawer shall be synchronized lock with one single key. To protect the wall from kicks, abrasion and serve as a decorative moulding, skirting shall be provided at bottom. A nylon castor based CPU unit shall be provided with an overall size 468mm X 284mm with 18mm thick Pre-laminated particle board.</p>	
14	Plain Cupboards- 1800 mm	<p>Supplying & placing storage unit with an overall size 900mm X 450mm X 1800mm. It should be made up 18 MM Thick of Pre-laminated particle board . The storage shall have four fixed shelf. 2 nos. of door shutters shall be provided for opening and closing the storage operated with concealed crank hinge and SS handle.</p>	
15	Vertical Filing Cabinets- 4 Drawers	<p>Providing, supplying and placing vertical filing cabinet. The overall size of the cabinet shall be 470mm (W) X 620mm (D) X 1320mm (H). The cabinet shall be supplied with 4 nos. of drawer. The entire body panel and shelves shall be made of prime quality 0.8mm thick CRCA sheet , The complete steel structure shall be constructed by welding and provide finishing with epoxy polyester powder coated to the thickness 40-50µ</p>	
16	1200 mm High Glass Hinged Door Units	<p>The overall size of the Almirah shall be 900mm (W) X 450mm (D) X 1200mm (H). The Almirah shall be supplied with 2 nos. of glass door adjustable shelves. Uniformly distributed load capacity of each shelf shall be 40 Kg maximum. Each rack shall be provided with stiffener at bottom for strength. The entire body panel, shelf shall be made of high yield strength 0.8mm thick CRCA sheet.</p>	
Note:	<p>1. The board used should meet Indian/ International Standard of quality. Indian standard IS 12823 grade II or equivalent international standard. 2. Equivalent or superior specifications for furniture Items can be considered with the approval of BHEL-Engineer-In-charge. 3. Furniture Items shall be procured from renowned brands only with prior approval of BHEL.</p>		