Nagpur Metropolitan Region Development Authority

Bill of Quntity

Name of Contractor : _____

General Description

Item No.	Item Details	Quantity	Unit	Rate
1.	**Supplying and placing of Single Workstation of size 900x600Dx1200mm Ht** shall be with Partition thickness of 60mm for stability and with the inside gap between two tile will be approximately 50mm for higher wire carrying capacity. Frame Horizontals shall be made of 1mm thick CRCA sheets & the verticals made of Aluminium Extrusions of 1.2mm thick. All the frames will be duly powder coated based on the choice of the Powder Coat colour, as per Customers choice, which will be inline with the Top trims & end trims, All the frames shall be fastened together by means of M6 NUTS & BOLTS, All the Caps viz end, inline & universal & raceway caps shall be made out of Die-cast Aluminum, These caps also will be finished in an epoxy powder coating finish in the same color, All the frames shall be fitted with M10 leveling bolts, The raceways shall be made out of 0.8mm thick CRCA & powder coated, The electrical raceway can be provided below worktop or above worktop, those will be hookon type which will be mounted on the verticals. The skirting/data raceway shall be hollow and will be mounted on the raceway channels, The partition shall have two integrated raceway provided one at skirting level and another at the work surface level thus ensuring separation of power and networking cables, The free space available within raceway accommodates power, data and communication cables, The cable can be taken into the Frame from the floor from the bottom. Once the cables enter the Frames , it can be taken from one end to the other end continuously as per Power / LAN layout plan, Approximately 50-60 (5mm Dia) cables shall be accommodated in the raceway channels, The raceways are provided with CRCA Snap cover on both side of raceways where required or on one side depending upon where worktop is being used, The second raceway at work top level can be given either below table top or above table top, The cable running at skirting level can be terminated at tabletop level through disciplined wiring channels inside the frames, The raceway covers shall be provided with appropriate electrical switch cutouts, as per the samples of switches provided (by customer), The number of cutouts in each workstation would depend upon the size of the switches, Fabric Tile shall be Constructed out of 4mm thick Medium Density Fiber Board (MDF) and covered with Fabric of choice, Bottom Row of Steel Tile shall be Constructed out of 0.8mm CRCA sheet and finished in epoxy powder coatingwhich can be given with plain / perforations / embossed finishes, Whiteboard marker tiles shall be made out of 4mm MDF with 1mm glossy highly wear resistant face laminate with a balancing laminate on the back, Total thickness shallbe 5mm, Table tops and Gable ends shall be of 25mm thk Pre-laminated particle boards conforming to IS : 12823 Interior Grade, Specially designed powder coated M.S. brackets fixed to the partition frame support the tabletops, Gable ends should be of 25mm thk. both side laminate (BSL) with 2mm PVC imported edge banding on front side, Sealed edge in table top and gable ends shall be with 0.8mm PVC imported edge banding, PVC edge banding shall be imported from Rehau or Dolken of Germany. **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	73.00	NOS	
2.	**Supplying and placing - 2400x900x740 Main Table with side storage (Option LH/RH) with modesty, side table 1500x700x740 and rear storage 1700x450x1501.** The top thickness shall have 50mm overall and combination of 2 table tops joined together, the table tops shall have a dual tone with the lower top being in matt black colour, the Table top shall have chamfered edge adding to the aesthetics and the drip-proof profile, the complete system shall have concealed hard-wares, the table top and the gable end shall be made of layers of MDF panels pasted together, the beams and the table top of meeting table shall be made in a	6.00	NOS	

Item No.	Item Details	Quantity	Unit	Rate
	similar way with 18mm and 12mm MDF board, the Side storage shall be made of MDF panels with membrane forming on them, All inner structural panels shall be pre-lam particle boards, the back storage shall be in particle board with the shutters and fascias in MDF board with membrane forming, The back panels shall be of 9mm MDF board, the table top (of executive table and meeting table), gable end shall be of 50mm thick with bevelled inner edges and shall have a dual finish, the thickness shall be achieved by pasting multiple layers of panels, the table top, gable end, modesty, side storage, pedestal and back storage shall be in membrane finish, All handles shall be of Stainless Steel, 75mmX75mmX5mm HRCA section shall be used as inner bracket connecting table top to gable end. **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)			
3.	**Supplying and placing linear Back to back Workstation 3000x1500x1200** with cushion pedestal top 400x470x545 (1D+1F) shall be with the legs made of 2mm thick spearhead designer profile with CRCA rolled section duly powder coated. The powder coating thickness considered is 50 to 60 microns DFT, The tie member shall be 80 x 40mm pipe structure made of 1.6mm thick CRCA duly powder coated, The powder coating thickness shall be 50 to 60 microns DFT, Structure to fully welded with all arc welding from inside eliminating manual finishing, None of the welding joints should be visible from outside, The vertical and horizontal of the mast shall be made up of 1.6 mm thick CRCA bent into the C shape channel, The mast size to be shall be 500 x 105mm for sharing back to back cluster, For non sharing cluster the Mast size shall be 230 x 105mm, The mast cover shall be 0.7mm thick galvanized iron sheet, the inner brackets shall be 3 mm thick CRCA, The leg shoe shall be made up of 100% recyclable nylon 6, The shoe helps in mounting of levelers on the legs by eliminating any welding process, The levelers shall be made of Nylon 6 with M8 bolts insert moulded to take care of any floor undulation, The beam shall be 1.2mm thick CRCA bent in the form of C channels with 3mm thick CRCA brackets, The bottom cover shall be made of 0.7 mm thick GI sheet, All welding shall be from inside eliminating manual finishing, The beam acts as a main spine, stiffeners and also cable carrying raceway thus eliminating use of extra material, The size of the beam shall be 100mm height and depth of 445mm for sharing, The vertical wire shall be carried through the mast and should be carried in the horizontal direction by the beam which also acts as wire carrying member, The switches can be mounted on the beam below the table top, Provision for flip top box should be patented DUO which can also available for accessing wires from the table top, The screen bracket shall be dye-cast aluminum (LM-24) which is bolted to the table top through pre fitted inserts, The inserts shall be all factory made to add rigidity and modularity in all aspects; making refitting and removal of screens several times possible, The bracket covers to be made of polypropylene which can snap fitted to the original brackets, The fabric screen height should be 400mm from the table top, The total height of the complete workstation (including the fabric screen) from the ground should be 1140mm. The Fabric screen shall be made of CRCA channels and aluminium extrusions at top and sides alongwith welded studs at either end, The Table Top shall be made of 25mm thick prelam particle board confirming to IS 12823 Interior Grade, The exposed edges of the table top shall be sealed with 2mm PVC edge banding, The height of the table top from the ground should be 740mm, Hang on type metal marker made of 1mm thick CRCA with a powder coating gloss level of 90. **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	4.00	NOS	
4.	**Supplying and placing linear Workstation 3000 x750 X 1200** with cushion pedestal top 400 x 470 x 545 (1D+1F) shall be with the legs made of 2mm thick spearhead designer profile with CRCA rolled section duly powder coated, the powder coating thickness considered shall be 50 to 60 microns DFT, The tie member shall be 80 x 40mm pipe structure made of 1.6mm thick CRCA duly powder coated, The powder coating thickness shall be 50 to 60 microns DFT, Structure to fully welded with all arc welding from inside eliminating manual finishing, None	6.00	NOS	

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	of the welding joints should be visible from outside, The vertical and horizontal of the mast shall be made up of 1.6 mm thick CRCA bent into the C shape channel, The mast size to be shall be 500 x 105mm for sharing back to back cluster, For non sharing cluster the Mast size shall be 230 x 105mm, The mast cover shall be 0.7mm thick galvanized iron sheet, the inner brackets shall be 3 mm thick CRCA, The leg shoe shall be made up of 100% recyclable nylon 6, The shoe helps in mounting of levelers on the legs by eliminating any welding process, The levelers shall be made of Nylon 6 with M8 bolts insert moulded to take care of any floor undulation, The beam shall be 1.2mm thick CRCA bent in the form of C channels with 3mm thick CRCA brackets, The bottom cover shall be made of 0.7 mm thick GI sheet, All welding shall be from inside eliminating manual finishing, The beam acts as a main spine, stiffeners and also cable carrying raceway thus eliminating use of extra material, The size of the beam shall be 100mm height and depth of 445mm for sharing, The vertical wire shall be carried through the mast and should be carried in the horizontal direction by the beam which also acts as wire carrying member, The switches can be mounted on the beam below the table top, Provision for flip top box should be patented DUO which can also available for accessing wires from the table top, The screen bracket shall be dye-cast aluminum (LM-24) which is bolted to the table top through pre fitted inserts, The inserts shall be all factory made to add rigidity and modularity in all aspects; making refitting and removal of screens several times possible, The bracket covers to be made of polypropylene which can snap fitted to the original brackets, The fabric screen height should be 400mm from the table top, The total height of the complete workstation (including the fabric screen) from the ground should be 1140mm. The Fabric screen shall be made of CRCA channels and aluminium extrusions at top and sides alongwith welded studs at either end, The Table Top shall be made of 25mm thick prelam particle board confirming to IS 12823 Interior Grade, The exposed edges of the table top shall be sealed with 2mm PVC edge banding, The height of the table top from the ground should be 740mm, Hang on type metal marker made of 1mm thick CRCA with a powder coating gloss level of 90. **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)			
5.	**Providing & placing Lobby Booking/Display Table @ 2400LX1100DX740H** shall be with legs of 50 x 50mm thick Square pipe made of 1.6mm thick CRCA pipe duly powder coated. The powder coating thickness shall be 50 to 60 microns DFT. X desk shall be primarily made of CRCA component for the under structure, particle boards for table top and combination of CRCA & Aluminum frame with options of various finishes for privacy screens. Legs shall be made with specially designed, 'spearhead' section, in cold drawn tubes. The leg shall be provided with a molded shoe at the bottom which should be then attached to the molded leveler, The tie member should be 80 x 40mm pipe structure made of 1.6mm thick CRCA duly powder coated. The powder coating thickness should be 50 to 60 microns DFT. Structure to fully welded with all arc welding from inside eliminating manual finishing. None of the welding joints should be visible from outside, The beam shall be 1.2mm thick CRCA bent in the form of C channels with 3mm thick CRCA brackets. The bottom cover shall be made of 0.7 mm thick GI sheet. All welding should be from inside eliminating manual finishing. The beam acting as a main spine, stiffeners and also cable carrying raceway thus eliminating use of extra material. The size of the beam shall be 100mm height and depth of 445mm for sharing. In case of non sharing the size can be 100mm height and 190mm depth, The vertical wire shall be carried through the vertibrae and should be carried in the horizontal direction by the beam which also acts as wire carrying member. The switches can be mounted on the beam below the table top. Provision for flip top box will also available for accessing wires from the table top, Squeezee shall be a special flexible rubber component that allows easy and safe passage of wires, The Table Top shall be made of 25mm thick prelam particle board confirming to IS 12823 Interior Grade. The exposed edges of the table top will be sealed with 2mm PVC edge banding. The height of the table top from the ground should be 740mm, including wall partition sub frame of GI C channel making sub frame for 1800mmx2400m with clading of perlam sheet on both sides finishing edges with PVC lipping. **Approved Make - Wipro, Godrej, HNI**	11.00	NOS	

Item No.	Item Details	Quantity	Unit	Rate
	Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect).			
6.	SMART HIGH BACK : Providing and fixing Smart High Back Chair shall be with High Back Rest, Seat to Backrest Height - 650mm, Backrest Height - 790mm, Backrest Width - 500mm, Backrest Construction - Ply+Foam, Finish - Fabric/Leatherite, Seat to Back rest height complies with BIFMA Section no 7.5.1 Table 21, Backrest width complies with BIFMA Section no 7.5.2 Table 21, Backrest shall be made out of 12 mm multilayer BWP ply, PU foam of 50 mm thickness, Width of Seat Excluding Arms - 460-500mm, Depth including of Waterfall edge - 470mm, Min Seat Height - 440mm, Max Seat Height - 540mm, Finish - Fabric/Leatherite, *500 mm shall be width when 3D arm should be used, Seat depth complies with BIFMA Section 7.2 Table 21, Seat width complies with BIFMA Section 7.3 Table 21, Seat Height Adjustment complies with EN1335 -1: 2000, the Seat Foam shall be made out of High resilience foam with the Density of 58-61 Kg/m, (IFD), with Indentation Force Deflection 25% 21.5 Kgf/cm, with Tensile strength 2.0 Kgf/cm, with Tear strength 1.0 Kgf/cm, Resilience 60%, it shall be of Mechanism Synchro 4 Position BIFMA Compliant Mechanism, Back Tilt of 89 - 109 degrees, Seat Tilt of 0 - 6 degrees, it shall be of Tension Adjustment with Back tension regulated by operating from the side mounted knob while seated on the chair, it shall be with 4 Locking positions, could be locked & unlocked by lever, Tested for 3,00,000 Cycles as per ANSI BIFMA X5.1 -2002, Movements of Seat Pan & Back Support complies with BIFMA Section no 7.6 Table 21, Gas Lift: Meets DIN 4550 Class 3, Meets ANSI BIFMA performance standards, Tested for 1, 00,000 Cycles, with PU Caster of Dia 60 mm, Complies to ANSI / BIFMA X 5.1 – 2002, Tested for 1,00,000 Cycles, with Aluminium Base type, Static Load as per ANSI / BIFMA X 5.1 2.2 – 2002 Clause 7 - 1134Kg, Pitch Circle Diameter - 640mm, Finish - Aluminium Polished, with Armrest Option - 2D, Armrest Height from the seat - 180-260mm, Armrest Width excluding Armpads - 90mm, Arm pad length - 250mm, Arm pad finish - PU Upholstery:- Available in Fabric & Leatherette options, Wipro, Godrej, HNI Delta Range Fabric: (Delta Orange / Delta Wine Red / Delta Black): Content: 100% Polyester, Weight:Abrasion: 80,000 Flammability: BS EN 1021-1 1994 (Cigarette) BS 7176:1995 (Low Hazard), Color Fastness to Light: 5+ [BS 1006 (1990)], Rubbing; Dry: Class 5 Wet: Class 4.5 **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	104.00	NOS	
7.	SMART HIGH BACK : Providing and fixing Smart High Back Chair shall be with High Back Rest, Seat to Backrest Height - 650mm, Backrest Height - 790mm, Backrest Width - 500mm, Backrest Construction - Ply+Foam, Finish - Fabric/Leatherite, Seat to Back rest height complies with BIFMA Section no 7.5.1 Table 21, Backrest width complies with BIFMA Section no 7.5.2 Table 21, Backrest shall be made out of 12 mm multilayer BWP ply, PU foam of 50 mm thickness Width of Seat Rest Excluding Arms - 460-500mm, Depth including of Waterfall edge - 470mm, Min Seat Height - 440mm, Max Seat Height - 540mm, Finish - Fabric/Leatherite, *500 mm shall be width when 3D arm should be used, Seat depth complies with BIFMA Section 7.2 Table 21, Seat width complies with BIFMA Section 7.3 Table 21, Seat Height Adjustment complies with EN1335 -1: 2000, the Seat Foam shall be Made out of High resilience foam with Density of 58-61 Kg/m, (IFD) with Indentation Force Deflection 25% 21.5 Kgf/cm, with Tensile strength 2.0 Kgf/cm, with Tear strength 1.0 Kgf/cm, Resilience 60% it shall be of Mechanism Synchro 1 Position BIFMA Compliant Mechanism, Back Tilt 87 -106 degrees, Seat Angle: 3-10 degrees, it shall be with back tension adjustment knob, it shall be with 1 Locking Positions, can be locked & unlocked by lever, Tested for 3, 00,000 Cycles as per ANSI BIFMA X5.1 -2002, Movements of Seat Pan & Back Support complies with BIFMA Section no 7.6 Table 21 Gas Lift: Meets DIN 4550 Class 3, Meets ANSI BIFMA performance standards, Tested for 1,00,000 Cycles, with Caster of 50 mm Nylon, Complies to ANSI / BIFMA X 5.1 – 2002, Tested for 1,00,000 Cycles, with Base made of Nylon, Static Load as per ANSI / BIFMA X 5.1 2.2 – 2002 Clause 7 - 1134Kg, Pitch Circle Diameter - 640mm, Finish - Black Matt Armrests:- Height Adjustable, Armrest Height from the seat - 180-260mm, Armrest Width excluding Armpads - 80mm, Arm pad length - 270mm, Arm pad finish - PP,	355.00	NOS	

Item No.	Item Details	Quantity	Unit	Rate
	The above Arm rest comply with ANSI BIFMA X 5.1 -2002 Clause 13.4 Upholstery:- Available in Fabric , Wipro, Godrej, HNI Delta Range Fabric: (Delta Orange / Delta Wine Red / Delta Black): Content: 100% Polyester, Weight:Abrasion: 80,000 Flammability: BS EN 1021-1 1994 (Cigarette) BS 7176:1995 (Low Hazard), Color Fastness to Light: 5+ [BS 1006 (1990)], Rubbing; Dry: Class 5 Wet: Class 4.5 **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)			
8.	SMART MID BACK : Providing and fixing Executive Medium Back chairs shall be with Back Rest type - Medium Back, Seat to Backrest Height - 500mm, Backrest Height - 630mm, Backrest Width - 490mm, Backrest Construction - Ply+Foam, Finish - Fabric/Leatherite, Seat to Back rest height complies with BIFMA Section no 7.5.1 Table 21, Backrest width complies with BIFMA Section no 7.5.2 Table 21, Backrest shall be made out of 12 mm multilayer BWP ply. PU foam of 50 mm thickness, Width of Seat Rest Excluding Arms - 460-500mm, Depth including of Waterfall edge - 470mm, Min Seat Height - 440mm, Max Seat Height - 540mm, Finish - Fabric/Leatherite, Seat Foam Made out of High resilience foam with Density 58-61 Kg/m, (IFD) Indentation Force Deflection 25% 21.5 Kgf/cm, Tensile strength 2.0 Kgf/cm, Tear strength 1.0 Kgf/cm, Resilience 60% It shall be with 1 Locking Positions Mechanism, can be locked & unlocked by lever, Tested for 3, 00,000 Cycles as per ANSI BIFMA X5.1 -2002, Movements of Seat Pan & Back Support complies with BIFMA Section no 7.6 Table 21, Gas Lift: Meets DIN 4550 Class 3, Meets ANSI BIFMA performance standards, Tested for 1,00,000 Cycles, Caster should be Options for Nylon 50 mm, Complies to ANSI / BIFMA X 5.1 – 2002, Tested for 1,00,000 Cycles, with Base type made of Nylon, Static Load as per ANSI / BIFMA X 5.1 2.2 – 2002 Clause 7 - 1134Kg, Pitch Circle Diameter - 640mm, Finish - Aluminium Polished, Armrests should be Fixed / T, Armrest Height from the seat - 175mm, Armrest Width excluding Armpads - 55mm, Arm pad length - 320mm, Arm pad finish - PP, Upholstery should be Available in Fabric & Leatherette options, Delta Range Fabric shall be (Delta Orange / Delta Wine Red / Delta Black) Content 100% Polyester, Weight Abrasion 80,000 Flammability BS EN 1021-1 1994 (Cigarette) BS 7176:1995 (Low Hazard), Color Fastness to Light 5+ [BS 1006 (1990)], Rubbing in Dry condition shall be Class 5 and in Wet shall be Class 4.5 **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	247.00	NOS	
9.	Providing and fixing of Beam Seating five chairs shall be made of Beam Seat with Arm Rest, Beam Seat 5 Seater, Tie Beam – Linear Connection, Corner Tie Beam – 90Deg Connection, Row connector - Back to Back row connection shall be with Leg Assembly having Options of Grouting Plate (Suitable for M10 grouting bolt), Leveler Seat with Seat Height - 460mm, Seat Pan Width x Depth - 464 x 435mm, Width B/w Arms - 485mm, Material - Polypropylene, Color / Finish - Black / Texture, shall be with Back Rest Seat to Backrest Height - 420mm, Backrest Height - 338mm, Backrest Width - 480mm, shall be with Material of Polypropylene, Color / Finish - Grey & Blue / Texture, shall be with Specifications of Beam as 101.6x50.8x2mm thk, Rectangular Tube, Row Connector : 25.4x25.4x1.6mm thk, Square Tube, Legs of 55.512x31.75x2mm thk Elliptical Tube, Material of ERW tube, Color of Light metallic grey, Finish of Power coated Arm Rest with Arm Pad Width - 50mm (Max), Arm Pad Length - 230mm, Arm Height above Seat - 235mm, Material of Polypropylene, Color / Finish - Black / Texture **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	54.00	NOS	
10.	Providing and Fixing chairs shall be with the back type with Back rest having width of 490 mm without arms max, with The back shall be made up of wood veneer with foam back, the seat height shall be at 455 mm with cushion seat, the chair shall be made of Rubber wood veneer	330.00	NOS	

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	with thickness of the leg 25 mm and width of the leg at 28mm, The overall height of the chair shall be 850 mm with a max width shall be 540 mm, it should be stackable and light weight, shall be Easy to assemble and dissemble **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)			
11.	Providing and fixing BIFMA Certified Auditorium Chair shall be a Push Back chair with writing tablet and Fluimatic slider system, STRUCTURE of Frame with Back Rest frame of ERW Tube / IS :3074-2005 GRADE 1-16 dia Round Pipe 1.2mm Thickness & Extra Reinforcement 16 dia round pipe 1.2 mm, Cushion Frame (Seat) ERW Tube / IS :3074-2005 GRADE 1- 22 dia Round Pipe 1.63mm Thickness, with Side wing frame with plywood, with upholstery, Leg shall be of square TUBE IS:4923-1997- 25X25 mm, 1.63 Thickness, SPRINGS of Seat For Auto Tip-up – Torsion Spring / Spring Steel IS : 4454 1981 GRADE 3 (part i) Tested for 5,00,000 cycles, with Push Back mechanism of Coil Spring / Spring Steel IS : 4454 1981 GRADE 2 Tested for 1,00,000 Cycles, with Automotive Grade High Resilence-HR Polyurathene foam, having Density of 50 + 5 Kg/M3 / JIS K 6401, Constant Compression Set should be (Max. 13%) JIS K 6401, BACK AND CUSHION HOUSING should compile with PPCP IS: 10915 1994, Injection Molded/Thermoform Plastic, Seat Cushions Dimensions shall be in-line with Anthropometric Datas & Ergonomically profiled Contours, Height of top of the back from ground level 1030 +/-15mm, Seat Cushions Dimensions shall be in-line with Anthropometric Datas & Ergonomically profiled Contours, Seat depth shall be 475mm and 448mm width & height from ground level 435mm tipe of back rest slider 60mm travels with metal ball and roller cage giving results in PUSH BACK OF 140 + 10mm Should have flexibility to restrict movement of the pushback and slider, Solid Wood Armrest with ARMREST CENTER TO CENTER DISTANCE of 560mm, GROUTING of 4 nos of 75mm (for hard floor), FABRIC shall be of heavy duty 100 % polyester dyed yarn with 3mm + 0.5mm foam backing resultatent, Provision for lights shall be on sides for seats along the aisles, Polypropelene Housing with 12mm watt lamp ROW with Row numbering for seats shall be along the aisles, 2mm alluminium cutouts shall be with row numering A,B,C….. Seat numbering on back and tip-up portion shall be of 2mm aluminium oval strips with seat numbering 1,2,3….. **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	100.00	NOS	
12.	Ballet : Providing and fixing BIFMA Certified Auditorium Chair shall be a Push Back chair (fluimatic slider mechanism), Frame shall be Back Rest frame of ERW Tube IS :3074-2005 GRADE 1-16 dia Round Pipe 1.2mm Thickness & Extra Reinforcement 16 dia round pipe 1.2 mm, Cushion Frame (Seat) ERW Tube / IS :3074-2005 GRADE 1- 22 dia Round Pipe 1.63mm Thickness, Wing frame Rectangular Frame, Side wing frame with plywood, with upholstery, with square TUBE IS:4923-1997- 25X25 mm, 1.63 Thickness, SPRINGS of Seat For Auto Tip-up of Torsion Spring / Spring Steel IS : 4454 1981 GRADE 3 (part i) Tested for 5,00,000 cycles, For Push Back mechanism of Coil Spring / Spring Steel IS : 4454 1981 GRADE 2 Tested for 1,00,000 Cycles, Automotive Grade High Resilence-HR Polyurathene foam, Density of 50 + 5 Kg/M3 / JIS K 6401, Constant Compression Set of (Max. 13%) JIS K 6401. BACK AND CUSHION HOUSING shall be PPCP IS: 10915 1994. Injection Molded/Thermoform Plastic, FINISH Seat Cushions Dimensions shall be in-line with Anthropometric Datas & Ergonomically profiled Contours, Height of top of the back from ground level 1030 +/-15mm. Seat Cushions Dimensions should be in-line with Anthropometric Datas & Ergonomically profiled Contours. Seat depth shall be 448mm.Height from ground level should be 445+/-10mm. BACKREST TYPE should be Slider (Fluimatic mechanism) of 60mm travels with metal ball and roller cage giving results in PUSH BACK OF 140 + 10mm. Should have flexibility to restrict movement of the pushback and slider as per avialability of aisle space. ARMREST should be Fixed Back chair with Polyurathane waterfall edge / Solid Wooden design armrest, with CENTER TO CENTER DISTANCE shall be 21/22/23/24 inch width, with	650.00	NOS	

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	GROUTING of 4 nos of 75mm (for hard floor) and for Fixing the chair scotch bolt of Size M8X50MM shall require, with heavy duty 100 % polyester dyed FABRIC yarn with 3mm + 0.5mm foam backing resultatent, with Provision for lights on sides for seats shall be along the aisles, & Polypropelene Housing with 12mm watt lamp, with Row numbering for seats shall be along the aisles, with 2mm alluminium cutouts with row numering A,B,C….. ,with Seat numbering on back and tip-up portion shall be of 2mm aluminium oval strips with seat numbering 1,2,3.... **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)			
13.	Providing and fixing of Compactors shall be with Dimension of Height from ground shall be 2100 mm (1985 body + 75 mm undercarriage + 40 mm channel system), shall be with knock down design, Rigid Upright frame made out of 1.2 mm thick CRCA Steel box Pipe, Upright with 25 mm x 50 mm rectangular slotted Pipe, Each block shall be of 1 Main unit & then Add-on units (0, 1,2,3,4,5 - depending on no. of bays 1, 2, 3, 4, 5 & 6), All metal component should be with antirust surface treatment & should be powder coated with epoxy polyester powder,with 8 Tank treatment of Degreasing, water rinse, phosphating & dry off oven treatment, Final finish shall be of epoxy polyester powder coating with a Dry Film Thickness of 60-80 microns, The testing of paint shall be done for various physical & chemical properties as per IS: 101. The material shall then oven baked with a controlled temperature of 180 deg.C to 200 deg.C. Dual Tone - Std Color shall be of Warm Grey - Graphite; Mono Tone - Color options shall be Warm Grey , Snow White Number of shelves shall be of Each unit having 5 loading levels formed by 4 nos. adjustable shelves, 438 mm depth, Shelf Thickness of 0.8 mm CRCA with stiffner, Shelves should be mounted on support brackets & shelf level can be adjusted at 25 mm pitch, should be able to carry 80 kgs UDL (Uniformally Distributed load), with Rigid construction made out of 1.2 thk. CRCA Steel upright with 25 mm x 50 mm rectangular Pipe, with Clading of 0.7 mm CRCA sheet metal panels. Optional doors with lock on each bay shall be provided, with material of Trolley shall be Steel pipe 1.6 mm thickness with smooth ball bearing wheel for load & guide wheel for anti tipping, with Aluminium tracks base of the compactor for rust proof, contact Platform for walkway - 25 mm Laminated Particle board Platform for easy & safe entry exit from the walkways, Sloping ramp of Aluminium for easy trolley access & reduce tipping hazard, Levelers - Easily Adjustable levelers to keep platform & track parallel, Installation of Track shall be No Floor Grouting is required for easy dismantling & relocation of the system in case required, Assembly of track - shall be on self supported design, suitable for any surface like cement, tiles, carpet etcwith- Pulley Belt mechanism results in noise less & Oil free operation, and Ergonomic Plastic handle with inbuilt safety lock mechanism Lock with Central Locking on the last unit which should lock entire assembly, 1 BAY - SINGLE STATIC - 1060(W) X 450(D) X 2100(H), 1 BAY - SINGLE LAST - 1060(W) X 450(D) X 2100(H), 1 BAY - TWIN MOBILE - 2 - 1060(W) X 900(D) X 2100(H) **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	10.00	NOS	
14.	Supply and Placing of QUEEN BED WITH SIZE 900*1800*800. COMPLETE PRODUCT IN 17.2 MM THICKNESS (EXCEPT BOTTAM PLY) HEADBOARD SHOULD BE IN COMBITION OF MDF & ENGINEERED WOOD, HAVING CNC DESIGN WORK ON MDF PART & FINISHED WITH PAINT & ADDITIONAL VALUE ADDITION SHALL BE LED LIGHTS IN HEADBOARD BED AVAILABLE WITH MANUAL & HYDROLIC STORAGE, WITH A METAL ROD IN BETWEEN THE CENTRE OF THE BED BELOW THE MATTRESS PLY, HAVING EXTRA 4 METAL POWDERCOTED "L" TYPE BRACKET. PRODUCT MADE FROM WOOD BACE ENGINEERED WOOD WITH 12MONTH WARRANTY. **Approved Make - Wipro, Godrej, HNI** Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as	50.00	NOS	

Item No.	Item Details	Quantity	Unit	Rate
	directed by engineer incharge (item shall be as approved by project architect)			
15.	**PROVIDING AND FIXING SS PIPES PARTITIONS OF 50MM DIA. 1.5MM THK,** 304 GRADE AND VARIOUS HEIGHTS FROM 300 TO 5000MM ALONG WITH HAND RAILS WHERE EVER REQUIRED AS PER DRAWING WITH THE CLEAR SPACING OF 100MM IN BETWEEN TWO SS PIPES, FIXING 100MM DIA STAINLESS STEEL BASE PLATE TO BE FIXED TO THE FLOOR WITH CORE CUTTING OF 60 MM DIA UPTO 75 MM WITH CHEMICAL GROUTING/ WHITE CEMENT GROUTING AS A FASTENER, INCLUDING FIXING OF RAILING , POLISHING ,CONVEYANCE OF ALL MATERIALS, ELECTRODES, WELDING CHARGES, COST OF ALL CONSUMABLES, LABOUR CHARGES SUCH AS FOR FABRICATION OF SS PIPES, BUFFING, POLISHING, INCLUDING ALL TAXES ETC., COMPLETE FOR FINISHED ITEM OF WORK INCLUDING ALL FIXTURES AND FASTENERS, LEADS, LIFTS, TRANSPORTATION AND TAXES, ETC. COMPLETE AS DIRECTED BY ENGINEER INCHARGE (ITEM SHALL BE AS APPROVED BY PROJECT ARCHITECT)	200.00	SQMT	
16.	**Providing and fixing Cafeteria Counter of size 22560LX600WX1200H** in 19mm BWR plywood, top, front, back and both side, 9mm BWR plywood, for drawer bottom, 19mm plywood for drawer, inside area finish with white laminate, outer area finish with 4mm thk veneer, S.S. screws, Nails, fevicoll, abro tape, drawer handle in Teak wood as per architectural drawing, telescopic drawer channel, invisible drawer lock, castor for drawer unit moving, including lead, lift and labour charges etc. complete. A) plywood make century ply B) Veneer make century lam, design and detail instructed by architecural drawing. Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	27.07	SQMT	
17.	**Providing and fixing T.V. and study table unit** in 19mm BWR plywood, top, front, back and both side, 9mm BWR plywood, for drawer bottom, 19mm plywood for drawer, inside area finish with white laminate, outer area finish with 4mm thk veneer, S.S. screws, Nails, fevicoll, abro tape, drawer handle in Teak wood as per architectural drawing, telescopic drawer channel, invisible drawer lock, castor for drawer unit moving, including lead, lift and labour charges etc. complete. A) plywood make century ply B) Veneer make century lam, design and detail instructed by architecural drawing. Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	66.24	SQMT	
			Total	

Total Amount in Rs. _____

Total Amount in Words Rs. _____

Signature & Seal of Contractor