

**NAME OF THE WORK:- PROPOSED WORKS OF INTERIORS, CIVIL, ELECTRICAL INSTALLATIONS, DATA CABLING, FIRE ALARM, FIRE SPRINKLAR AND AIR CONDITIONING SYSTEM AT BOKARO BRANCH OFFICE-1, UNDER HAZARIBAGH DIVISIONAL OFFICE, JHARKHAND**

SL NO	DESCRIPTION OF WORK	QTY	Unit	Rate	AMOUNT (Rs.)
1.00	INTERIOR WORKS				
	<b>FALSE CEILING :</b>				
1.01	Providing & erecting Suspended Ceiling System with similar to Armstrong "CLASSIC LITE" ( H 1673M OR 1892M/1893M) Tiles in module size of 600mm X 600mm X 16 mm (M1672), laid with suprafine 15 mm Hot Dipped Galvanized Steel Suspension system Zinc Coated having Rotary Stitched. All as per manufacturers' specification.	10.00	Sqm	1654.00	16540.00
	<b>Frame work</b>				
	Comprises main runners width 24mm and web height 35mm made out of 0.4 mm hot dipped galvanized steel spaced at 1200 mm centers securely fixed to the structural soffit by approved hangers at 1200mm maximum centers and not more than 150 mm from spliced joints. The last hanger at the end of each main runner should not be greater than 600 mm from the adjacent wall. 1200 mm long cross tees of web height 35mm and made out of 0.4 mm thick galvanized steel to be interlocked between main runners at 600 mm centers to form 1200 X 600 mm modules.				
	Cross tees longer than 600 mm require independent support. 600 X 600 mm modules to be formed by fitting 600 mm long cross tees centrally between the 1200 mm cross tees. Perimeter trim to be wall angles 19mm X 19 mm secured to walls at 450 mm maximum centers- all as per manufacturer's specifications				
	The cost to include the cost of frame work for providing lighting arrangement CFL or mirror optic and providing making additional T/angle for creating opening for providing lights for which no extra payment will be made.				
	(Only plan area will be measured for payment.)				
1.02	Providing & fixing at all height false ceiling with G.I. section manufactured by M/s. Gypsum India Ltd (Gypsteel). The framing sections of the ceiling are 0.55mm thick Perimeter channel having flange of 20mm & another flange of 30mm & web of 27mm (20 x 27x30 x 0.55 mm) fixed at 610 mm c/c and connected to suspended GI intermediate channel (15 x 45 x 15 x 0.9 mm thick) at 1220 mm C/C with ceiling angles of size 25 x 10 x 0.55 mm thick. Fixed to soffit with GI cleat & steel expansion fasteners. Ceiling section of 80 x 26 x 0.55 mm thick having knurled web of 51.5mm & two flanges of 26mm each with lips of 10.5mm are to be fixed to the intermediate channel with the help of connecting clip of size 2.64mm dia and in direction perpendicular to intermediate channel at 475 mm centers including fixing of 12.5 mm thick tapered edge gypsum board (conforming to IS: 2095-1982 & 2542-1981) with drywall screws at 230 mm c/c, to have a flash finish of tapered and square edges of the gypsum board with recommended filler, paper tapes, finisher, all as per manufactures specification. Including two coats of primer suitable for gypsum board two or more coats of acrylic distemper paint of approved shade and also including making necessary opening for light fitting, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction. (Note: only plan area shall be measured	50.00	Sqm	1005.00	50250.00
	Including two coats of primer suitable for gypsum board two or more coats of acrylic distemper paint of approved shade and also including making necessary opening for light fitting, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction.				
	(Note: only plan area shall be measured for payment. Drops below AC ducts of any depth will not be measured for payment. The drops for design purpose, which are provided as directed, will be measured and paid separately. No deductions for light cutting separately).				

	<b>PARTITION WORKS :</b>				
1.03	<b>Full height Double skin Calcium silicate partition with GI Section as per details below:-</b>	100.00	SqM	1860.00	186000.00
	Providing and fixing partition upto ceiling/false ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and <b>two coats of primer suitable for board &amp; two or more coats of acrylic emulsion paint as per</b>				
1.04	<b>Providing &amp; Fixing full height double skin partly boards and partly glazed (both side 8 mm thick Calcium silicate board conforming to BS-476) partitions of 66 mm thick with GI frame and with following specifications.</b>	35.00	SqM	2126.00	74410.00
	i) Providing and fixing partition upto ceiling height consisting of G.I. frame and required Calcium Silicate Board board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs (except glass portion- in glass portion frame would be 600 mm C/C in vertical direction & top and bottom at horizontal direction) at the spacing and two channels (top & bottom of glass panel) 50mm wide having equal flanges of 32mm and 0.50mm thick shall be provided, including screws etc i.e. totally four horizontal channels as per drawing and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm c/c both direction by 6 mm dia bolts and nuts including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plug at spacing of 450 mm centre to centre (Necessary vertical members to reach ceiling for fixity).				
	(ii) Bottom & top panel of 8 mm thick Calcium Silicate Board fixed on both side of framework . Height of bottom panel shall be 1.05 mm from floor level all as per drawing etc. complete as directed by 25 mm long dry screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre etc complete all as directed.The Calcium Silicate Board are to be fixed to the frame work with joints staggered to avoid through cracks,Galvanised M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing finish including providing and applying wall care putty as per approved make having 1.5 mm thick on partition etc after preparation of base and providing & applying two or more coats acrylic distemper paint of approved quality and shade with a coat of primer etc, angle beads at corners (25 mm x 25 mm x 0.5 mm),all as per manufacture's specification and direction of engineer in charge all complete. (Necessary vertical members to reach ceiling for fixity)				

	(iii) 5 mm thick plain float glass in middle panel fixed with teak wood beading of section 32x10 mm on both sides including polishing with malamine. Height of glass panel shall be about 1200/900 mm with required suitable beads as per direction of engineer in charge.				
	The rates includes cutting, chiseling, drilling, piece of angles, screws, nailings for fixing the partition and also additional members wherever required for strengthening the partition, necessary wood/plywood supports for screwing of wooden frame/beadings etc., arrangement of the conduit and fixtures, all complete as per , specification and direction of the Engineer in Charge. <b>Quoted rate is exclusive of finishing like primer / painting/ lamination. Finishing like painting /lamination shall be paid under relevant items (Measurements to be taken from floor to bottom of false ceiling)</b>				
1.05	Providing and fixing of 1200 mm height approx(Low Height) partition consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including <del>jointing and finishing to a flush finish with recommended jointing</del>	30	Sqm	1900	
	66mm overall thickness Partition with <b>8mm thick double skin Calcium Silicate Board</b> made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process with Compressive Strength 225 kg/sq.cm, Bending Strength 100 kg./ sq.cm with <b>two coats of low VOC interior grade acrylic emulsion paint</b> of approved make and shade . The top capping of the partition shall be teak wood 70mmx12 mm with tapered edge finished including melamine polish etc. complete.				
1.06	Providing Sal wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length including hold fast lugs or dash fastener, etc): Sal wood	0.35	Cum	108052.00	37818.20
1.07	Providing Teak wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length including hold fast lugs or dash fastener : Second class teak wood.	0.15	Cum	133550.00	20032.50
	<b>DOORS</b>				
1.08	Providing and fixing ISI marked flush door shutters 30 MM THICK conforming to IS :2202 (Part I) non- decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters, T.W beading alaround the shutter, 30 mm thick including ISI marked Stainless Steel butt hingeswith necessary screws . <b>(Rate to include cost of 1 mm lamintaes , cutting shutter for fixing glass and providing suitable T W beading , if required as diected . )</b>	16.00	Sq.M	3136.00	50176.00

1.09	Providing and Fixing fully Glazed Doors made of 100 x 35 mm top rail; 150 x 35 mm bottom rail, 100 x35 mm styles and 12 mm thick float glass. The teak wood members shall be melamine polished and the door shall be fixed using 3 No 304 grade S.S. Butt Hinges of 127 x 89 x 3 mm size with ball bearing(Magnum or equivalent make). the glass shall be fixed using 20 x 12 mm teak wood beading and melamine polished	6.00	Sq.M	4465.00	26790.00
1.10	Providing and Fixing decorative 1 mm thick FSC Certified Fire Retardant high Pressure Laminate conforming to IS 2046 (type S), in gloss/matt/suede finish and fixing of laminate to calcium boards with Hitex/ equivalent suitable adhesive all complete.	200.00	Sqm	897.00	179400.00
1.11	Providing and Fixing 0.8 mm mm thick balancing Laminate conforming to IS 2046 (type S), in gloss/matt/suede finish and fixing with synthetic adhesive suitable for Laminate.	50.00	Sqm	561.00	28050.00
1.12	WALL/ COLUMN PANELLING :-Providing and fixing wall panelling using 8 mm thick Calcium Silicate board including GI frame made from power pressed GI sheet with Zinc coating 120 g/sqm. Channel 50 x 32 x 0.5 mm thick for floor and ceiling and vertical studs 48 x 34 x 36mm, 0.5mm thick placed 610 mm center to center etc... The Calcium Silicate boards are to be screw fixed with self tapping pan head nickel coated mild steel screws on to the channel leaving and even groove of 1 mm between the panels. The joints between the panels are to be duly joined and finished using recommended jointing calcium silicate based compound and joint tape roll and two coats of primer suitable for paneling as per manufacturer's specification. ( Note : Cost for either laminate finish or painting of the board will be paid seperately)	50.00	Sqm	1014.00	50700.00
1.13	Providing and fixing Fire Retardant plywood etc. complete as per drawing & direction.				
a	6 mm thick	5.00	Sqm	730.00	3650.00
b	9 mm thick	10.00	Sqm	1074.00	10740.00
c	12 mm thick	5.00	Sqm	1341.00	6705.00
d	19 mm thick	10.00	Sqm	1793.00	17930.00
e	P & F 8 mm calcium silicate	10.00	Sqm	832.00	8320.00
<b>TW MOULDINGS :</b>					
1.14	Providing and Fixing Teak Wood Architrave of size 40 x 12 mm and melamine Polished.	50.00	R.M	78.00	3900.00
1.15	Providing and Fixing Teak Wood Architrave of size 25 x 25 mm and melamine Polished	10.00	R.M	83.00	830.00
1.16	Providing and Fixing Teak Wood Architrave of size 25 x 12 mm and melamine Polished	20.00	R.M	70.00	1400.00
1.17	Providing and Fixing Teak Wood Architrave of size 25 x 6 mm and melamine Polished	20.00	R.M	60.00	1200.00

1.18	Soft Board Panel: Soft Board Panel using 4 mm FSC Certified Fire Retardant Plywood as backing and fixed with Soft Board and covered with rate of fabric Rs 300/-per Sqm (The measurement of the tile actual area of the fabric panel on each side shall be for payment). The Panel shall be fixed with 18 x 12 mm rubber wood beading. Fixing shall be done by using wall clips for hanging the soft board. The rubber wood shall be melamine polished.	5.00	Sqm	2258.00	11290.00
1.19	Providing and fixing roller blinds of approved shade and design including channel fixed as per site condition and manufacturers specifications of "VISTA" or equivalent of approved make. (The product & supply has to be certified by the Manufacturer directly. Contractors has to produce a certificate from Manufacturer before claiming any bill for this item)	95.00	Sqm	3000.00	285000.00
1.20	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., or tile adhesive ( water based) conforming to IS : 15477 with white cement matching etc complete. Size of Tile 600x600 mm ( Basic price Rs. 60.00 per sq.ft)	700.00	Sqm	1540.00	1078000.00
1.21	Carefully removing old wooden/alluminium partition /etc & mending the damages goodm stacking the removed material.	150.00	Sqm	60.00	9000.00
1.22	Dismantling of existing brickwork any thickness including RCC /PCC band, removing debris from worksite , mending the damages good, etc all complete.	1.00	Cum	1489.00	1489.00
1.23	Dismantling of existing floor any thickness including bedding , removing debris from worksite , mending the damages good, etc all complete.	600.00	Sqm	17.00	10200.00
1.24	Internal cement plastering 15 mm thick cement mortar plaster in prop 1:4 to new walls or for patch plaster including taking out the damaged plaster, if any .	25.00	Sqm	298.00	7450.00
1.25	Transportation charges for carting away the waste dismantled debris/malwa to contractor's yard out side from LICl's premises (	5.00	Unit	598.00	2990.00
1.26	Providing Half Brick work in masonry in C M (1:6) with non modular /Fly ash bricks all complete.	10.00	Sqm	915.00	9150.00
1.27	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification : Two or more coats	1000	Sqm	102.00	102000.00
1.28	Providing and applying White cement based Wall Putty on new plastered surface , manufacture by J.K white/ Birla white wall care. The rate is including surface preparation, etc.,	25.00	Sqm	118.00	2950.00
1.29	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	120.00	Sqm	123.00	14760.00
1.30	Providing and applying French spirit polishing with Two or more coats on new works including a coat of wood filler	5.00	Sqm	332.00	1660.00
1.31	Providing and Fixing Hardware of approved Make , with matching screws				50000.00
1.32	Fixing & Overhead Charge... 25%				12500.00
	<b>Trade total of Civil Interior works ( Partition/flooring/minor repair/Painting etc including Prime cost items)</b>			<b>2373280.70</b>	
	Storage Unit , running table & cash counter				
	<b>(For all type of Storage Units, the front elevated area shall be measured for payment.).</b>				

2.01	Providing & fixing 450mm deep and <b>2100mm</b> approx ht. storage unit as per following:	20.00	Sqm	9492	189840.00
	The sides, top, bottom shall be made of not less than 0.8mm thick CRC sheet of required size. The members shall be without any burrs				
	4 nos. Intermediate shelves shall be made of not less than 0.8mm thick CRC sheet. Shelves shall have lipped flanges 25 mm in width and 15 mm in depth. Each shelf shall be supported on four adjustable shelf brackets made of steel sheeting not less than 1.6 mm thick. Four rack strips of not less than 1.0 mm thick shall be provided for supporting the shelves, covering the full height of the cabinet.				
	Front openable Door Shutter shall be made of not less than 0.8mm thick CRC sheet with provision of sufficient stiffness by providing metal stiffener. The doors shall be provided with handle and 2 way locking system with duplicate keys of non-corrodible material. The door handle and lock shall be of approved make.				
	Each unit shall be supplied with level adjuster which allows 25 mm height adjustment with necessary hinges of approved quality.				
	All dents, burrs and sharp edges shall be removed from the various components and finished with powder coating of 50 micron of approved shade & colour by engineer in charge.				
	The height of storage unit shall have variation of +/- 300mm as per side condition. (The front elevated area shall be measured for payment)				
2.02	The same as above of item no.2.01 but height 1200 mm approx with 02 nos. Intermediate shelves and in addition to Storage top shall be of 25 mm thick Particle Board in one piece with front edge in half round Post formed moulding, finished with 0.6 mm thick approved laminate including Mini fixing joinery. The shades and colour of laminate and PVC lipping shall be as approved by Engineer-in-Charge.	40	Sqm	9492	379680.00
2.03	P/F Cash counter of overall width 900mm and overall height 1190mm (approx.) made out of FSC Fire Retardent (IS : 5509) Plywood 19mm th. with t.w. lipping at edges all as per drawing consisting of the following: size 1650 mm. internal with a variation of +10% (for which no extra cost to be paid or deducted)	3	Nos	30722.00	92166.00
	Details of counter and printer table:				
a)	Minimum 16 mm th. Machine cut, machine polished black granite of approved shade with double front edge rounded properly and other edges properly polished at service top of 350 mm width approx fixed on 19mm thick Fire Retardent Ply, the height of the service top to be 1120 mm from the floor level. The width of the service top to be 350 mm. 12 mm thick. float glass of size 600 X 100 mm with CP polished edges to be fixed in the middle portion of the service top towards the cashier side. The Granite as well as the 19mm thk. fire retardent plywood of the service top to be suitably cut for fixing the above mentioned glass.				
b)	The working table top of width 900 mm made of 19 mm thk. Fire Retardent plywood finished with 1 mm thk high pressured laminates on top & 0.8 mm balancing laminate on bottom surface incl half round TW beading of sect. 20 X 12 mm duly polished. The height of the working platform to be 750 mm from the floor with provision of cable manager and cap . On the left side of table top provision to be made for placing printer by cutting 1 slots of size 450 X 20 mm finished with PVC Gasket in the working platform top				
c)	One drawer unit (at every 1500-1700 mm length of counter) of 400mm wide(clear internal size) depth 450 mm , drawer unit having three drawers below to be made out of 12 mm thick Fire Retardent ply at sides, 6mm thick fire retardent ply at bottom, 19mm thick fire retardent plywood at front and rear including cash seperation arrangement in top drawer only with with 6mm FSC certified Fire Retardant ply, sliding on Quadrial slides (QSDS 50 of ebco Make), central lock (Ebco Make) Front surface finished with 1.0mm th. fire retardent high pressured laminate and internal surface with 0.8 mm thick same type balancing laminate etc. complete.				

d)	Printer Table On the left side with two compartmanet of 400mm external width top for paper stationary and bottom for CPU. The top compartment is to be divided in to two equal part by sliding shelf of size 400 X 350 mm made of 19 mm thick fire retardent (IS:5509) Ply wood sliding on sliding channels of approved make finished with 0.8 mm balancing laminate with locking arrangement. The back of this compartment is to be provided with 6 mm fire retardent ply wood. The bottom compartment made up of 19 mm thick fire retardent plywood of size 400x500mm fixed 75mm above floor level. This box for CPU , open from the front and back to be covered with 0.8 mm thick balancing laminate of approved shade & makecomplete. Top of the unit shall have 1 mm thick high pressured laminate and all the exposed edges of the plywood to be provided with TW lipping of size 20 X 6 mm duly polished.				
e)	Articulated key Board station Flexible 360 swivel enabled, Ebco Make( AKS1M model) or equivalent approved , to move freely as per sitting posture with mouse tray, soft palm rest and stow away soft pad to provide support single knob system to enable height and tilt angle as required.				
f)	Providing & fixing 12 mm th plain glass on counter top in suitable size GI / sal wood frame ( above) covered with fire retardent plywood and 1 mm high pressured laminate with a semi-circular slit of 125 mm dia at service top level and slit of 50 mm at 1.5 meter level from Floor including etching as per design and necessary exposed edges grounded and polished etc.complete as per drawing or as directed.				
g)	1 mm thick high pressured lamination of approved shade and make to be provided on top of working platform , on face of each of the 3 drawers, side hung shutter and on the vertical sides of the counter on the customer side . All exposed edges of the 19 mm thk. ply wood to be provided with TW lippings of size 20 X 6 mm duly melamine polished. All the inner sides of the counter not exposed from customer side including the bottom of table top to be covered with 0.8 mm thick balancing laminate of aprpd. shade and make it complete.				
h)	Foot rest of Sal wood with support of section 70 X 35 mm to be provided finished with painting.				
i)	making circular slit for cable manager and straight cutting for paper slit including P/F cable manager and paper slit manager all complete as directed.				
2.04	P/F powder coated aluminium Deco grill of opening size 50x50mm approx fixed with liquer polish 32x32mm TW moulding.	2	Sqm	2200.00	4400.00
2.05	Providing and fixing Computer/ Running table 600mm wide & 750 mm height with Chamfering at corners/ straight as directed, made with 19mm thick Fire Retardant Ply and 1mm thick high pressured lamination at top. Vertical supports of 600 mm wide @ 1350 to 1500 mm c/c with 19mm th. Fire Retardant Ply & 1mm thick high pressured lamination on both sides . Sal wood foot rest of 75x50mm to be provided with painting, all unexposed surfaces shall be 0.80 mm thick balancing lamination.Suitable Teak wood beading to exposed edges with polish all complete with neat finish as directed. Key board tray, cable manager with necessary hardware all as per drawing and as directed without drawer unit.	10	Rm	3488.00	34880.00
2.06	Providing and fixing Computer/ Running table 600mm wide & 750 mm height with Chamfering at corners/ straight as directed, made with 19mm thick Fire Retardant Ply and 1mm thick high pressured lamination at top. Vertical supports of 600 mm wide @ 1350 to 1500 mm c/c with 19mm th. Fire Retardant Ply & 1mm thick high pressured lamination on both sides . Sal wood foot rest of 75x50mm to be provided with painting, all unexposed surfaces shall be 0.80 mm thick balancing lamination. Suitable Teak wood beading to exposed edges with polish all complete with neat finish as directed. <b>Key board tray, cable manager with necessary hardware all as per drawing and as directed with drawer unit 1200 mm C/C.</b>	3	Rm	8526.00	25578.00
	Trade Summary of storage unit, running table & cash counter ,etc works			726544.00	

3.00	<b>MODULAR FURNITURE</b>				
	Note : The following specifications are common for all work stations :Fabrication, supply and installation of factory made modular work stations with M S Frame Tile based partition system and all accessories as per the technical specifications. All knock down hardware to be suitable for particle board fixity complete as per drawing and as directed.				
	Note : ALL particle boards/ pre laminated particle boards shall be of INTERIOR GRADE of approved make of GHIHA Certified Product.				
	<b>FREE STANDING TABLE AND SIDE CREDENZA (Factory made)</b>				
3.01	Supplying of factory made free standing table unit of size 1800 X 900 X 750 mm height, complete consists of the following : (For Branch Manager/incharge)	1	Nos	12288.00	12288.00
	Top : Table top shall be of 25mm thick Particle Board in one piece with front edge in half round Post formed moulding, finished with 0.6 mm thick approved laminate including Mini fixing joinery.				
	Gable Ends : 2 Nos. out of 25mm thick Particle Board in one piece with front and rear edge in half round Post formed mould with leveling bolts which allow 25mm adjustment, finished with 0.6mm thick laminate.				
	Modesty Panel : Out of 18mm thick Pre-laminated particle board in one piece with levelling bolts which will allow 25 mm adjustment including making provision for wire management and fixation of switches/sockets.				
	Providing and fixing 40mm dia. cable entry at the specific location after drilling hole of required size in the work station top with ABS cover.				
	Edges : All the edges finished with 2mm thick PVC hot pressed lipping of matching colour..				
	Finish : Top & Gable End finished in post formed with 0.6mm thick laminate and other surfaces with 1 mm thick laminate of approved shade.				
3.02	.---Do--- as above of item no. 3.01 but size 1500x750x750 mm (height) (For Officers)	10	Nos	10339.00	103390.00
3.03	.---Do--- as above of item no. 3.01 but size 1500x600x750 mm for DO & Class 3 ) (10+29+13)	42	Nos	10085.00	423570.00
3.04	.---Do--- as above of item no. 3.01 but size 900x500x750 mm and and without 40 mm dia. cable entry and ABS cover. (For Sub Staff/ computer table)	3	Nos	6780.00	20340.00
3.05	Providing, supplying & placing in position side credenza of size 900mm X 450 X 750mm consisting of following : ( 1+10+29+13=53	54	Nos	6780.00	366120.00
	Top : Top made out of 25mm thick Particle board with front edge in half round post formed moulding.				
	Carcass/shelf made out of 18mm thick pre laminated particle board (OSL) interior grade.				
	Shutter made of 18 mm thick pre laminated particle board (OSL) interior grade with sliding channel with double ball bearing for smooth operation.				
	Skirting : 50mm high skirting out of 18mm thick pre laminated particle board.				
	Locks : The unit shall be provided with Push button Lock with hinge keys in two sets.				
3.06	Same as above but back side credenza of size 1350x450x750mm for Branch Manager factory made with particle board	1	Nos	9237.00	9237.00
	<b>PARTITIONS :</b>				
3.07	Fabrication, supply & installation of tile based free standing partition of ht. 1200 mm (approx.) and 65 mm thick (minimum) including top trim, end trim, corner filler, adjustable glide screws, top hinged race ways, cover plate, etc. complete for the following type of partition and consist of the following:	45	Sqm	4944.00	222480.00
	Modular partition frame made out of roll formed M.S. sections, 16 gauge for core frame & intermediate members. The core frame consist of a rectangular frame fixed with nut & bolt to horizontal sections to form a rigid structure. All M.S. and C.R.C. components shall treated with 7 tank galvanized process & finished with min. 50 micron thick powder coating of approved shade. Each frame supplied with leveling bolts with knurling/fiber knob which allows 25 mm adjustment. The size of the partition will be as specified in the drawings.				
	Skirting : Minimum 100 mm high skirting top hinged panel cover raceways out of M.S. sheets and finished in approved shade powder coating of minimum 50 micron				

	Raceways : Concealed race way below/ above work station top for transporting wires, cables and conduits with top hinged flap out of MS powder coated sheets. The bottom race way will have wire carrier hangers and no horizontal member at the floor level.				
	Top Trims & End trims : Shall be of extruded aluminium sections of shape and finished with approved shade powder coating. Caps & Corner filler : shall be of ABS filler Caps which should match very closely to the colour of top cap and end trims.				
	Tile panel : All partitions shall have on both sides the tile panel of 12 mm thick. Pre laminated Particle Board (O.S.L.) of Interior grade conforming to IS: 12823. All the edges shall be finished with hot pressed PVC lipping of matching shade. The tiles shall have sufficient number of clips on rear side to fix the tiles on partition. The tiles shall be fixed flush to the partition.				
	The partitions should have a minimum of 9 kg/Sq.M. steel per Sq.M. of partition frame. The steel should be manufactured by SAIL/TISCO/JINDAL/RIN Ltd./ESSAR STEEL. The supplier of furniture should submit proof of purchase of steel from the manufacturers and test certificates as well.				
3.08	Extra payable for providing Fabric panel (tackable type) in lieu of pre laminated particle board panes in partition mentioned in item no.3.11 above. The tackable tiles shall be made of 0.6 mm thick G.I. sheet with an inlay of 10 mm thick cross lone foam having density 50-60 kg/Cu.M. Fabric shall be with fire retardant coating and scotch guard for stain resistance glued on G.I. sheet. The basic price of fabric Rs. 300/-per R.M. (The area of actual fabric panel shall be measured for payment).	10	Nos	265.00	2650.00
	<b>PEDESTAL DRAWER UNIT &amp; ACCESSORIES :</b>				
3.09	Fabricating, supply & placing in position Mobile pedestal drawer unit of following sizes and shall consist of following and with anti toppling device when all drawers are open.	14	Nos	5135.00	71890.00
	<b>Pedestal Drawer unit</b> : Size 450mm X 515 mm X 725 mm height.				
	Carcass : Made out of 0.8mm thick M.S. sheet, treated with 7 tank Galvanised process and finished with powder coating of approved shade & thickness of 50 microns.				
	Drawer : Uppar part shall open for keeing the file & 1 no. filing drawer made out of 0.6 mm thick M.S. sheet, treated with 7 tank Galvanised process and finished with powder coating of approved shade & thickness of 50 microns. The drawers shall be mounted on 2 nos. telescopic channels for smooth operations.				
	Locks : The units shal have locking arrangement (7 lever) lock in front of drawer with key in two sets.				
	Handles : The units shall have M.S. pressed concealed handles to drawer.				
	The unit shall have 1 nos. glide screws with height Adjustment of +/- 10mm.				
3.1	-do as above TI NO 3.09 but size 380mm X 450 mm X 725mm	42	Nos	4915.00	
3.11	Supply & fixing of "Innofitt/ebco" or any other equivalent make Acrylic Key Board Tray of size 575 X 300mm with sliding channel on both sides and in building sliding Mouse pad tray (LHS/RHS) as per the approved sample.	43	Nos	1398.00	60114.00
	<b>TRADE SUMMARY OF MODULAR FURNITURES</b>			<b>1292079.00</b>	
4.00	<b>SUPPLY OF CHAIRS</b>				
4.01	Providing & supplying of <b>High back</b> cushioned chair with following specification: <b>(For MM/ DM /ADM /SBM /BM (I/C)</b>	1	Nos	6610.00	6610.00
	Seat size -480m (W) X 440mm (D) approx.				
	Back Size -480mm (W) X 660mm (H) approx.				
	<b>Seat &amp; Back assembly:</b>				
	The seat & back shall be made of 12mm thick hot pressed plywood & moulded polyurethane foam 50 mm thick with density of 45+/-2 Kg/Cum in seat and 32+/-2 Kg/Cum in back and hardness 20Kg on Hamden machine at 25% compression including PVC lipping. The back foam is designed with contoured lumber support for extra comfort.				
	<b>Leatherite Tapestry</b>				
	Flame retardant leatherette tapestry of Rs.350/- to Rs.400/- per metre of approved shade complete as directed.				
	<b>Tilting &amp; Revolving Mechanism:</b>				

	The adjustable central tilting system shall be designed for 17 degree max. tilt. The tension shall be adjustable. It shall be provided with upright locking system. A full 360 degree swivel mechanism shall allow for fluid lateral movement.				
	The revolving & Synchronised tilting mechanism with locking arrangement in different positions & anti shock back mechanism is provided alongwith height adjustment mechanism & anti toppling mechanism.				
	<b>Gas lift:</b>				
	The gas lift shall be maintenance free, environment friendly, chrome free cylinder tube fixed in a M.S. black powder coated central column tube 38mm dia, 2.0mm thick, 100mm stroke length & gas pressure of 300N force.				
	<b>Pedestal assembly :</b>				
	The pedestal shall be made of arc shaped CRC metal folded base with 2.3 mm thick steel strips and fitted with 5 nos. twin wheel pin castors of min. wheel dia. 50 mm. The 5 prongs shall be welded to a central bush made for 2.5 mm thick ERW steel tube with 63 mm OD and 60 mm length. The bush shall accommodate the housing of the gas lift. Diameter of CRC metal base shall be 660 mm with 5 pronged legs duly powder coated having powder coating thickness 50 to 60 microns. The M.S. pedestal is covered with ABS moulded cover for modern and aesthetic looks.				
	<b>Telescopic bellow assembly :</b>				
	The bellow shall be 3 piece telescopic type and injection moulded in black Polypropylene.				
	<b>Twin wheel castors :</b>				
	The twin wheel castors shall be injection moulded in 30% glass filled nylon & extra smooth.				
	<b>Polyurethane armrest :</b>				
	The one piece armrest of diamond / rectangular / elliptical shape or any other approved shape are made of black integral skin polyurethane with 50-70 share "A" hardness and reinforced with M.S. insert The armrest shall be scratch proof & weather resistant. Armrests are fitted to the seat with powder coated armrests bracket made of 5mm thick HR Steel.				
	<b>Powder coating :</b>				
	All the steel components shall have epoxy polyester powder coating with dry film thickness of 45 microns (min).				
4.02	Do- as item no. 3.01 above but for <b>medium back</b> cushioned chairs but having following sizes : <b>(For AO / AAO / HGA / Asst / RC/ DO &amp; others ) 10+12+</b>	54	Nos	5847.00	315738.00
	Seat size -450mm (W) X 440mm (D) approx.				
	Back Size -450mm (W) X 550mm (H) approx.				
4.03	Providing & supplying <b>low back fixed</b> cushioned chair with tubular cantilever type frame made of 25.4mm dia, 14 BG ERW tube with powder coated but having following size: <b>(For Visitors, Agents, Sub-staff &amp; others)</b>	72	Nos	3725.00	268200.00
	<b>Leatherite Tapestry</b>				
	Flame retardant leatherette tapestry of Rs.350/- to Rs.400/- per metre of approved shade complete as directed.				
	<b>Polyurethane armrest :</b>				
	The one piece armrest of diamond / rectangular / elliptical shape or any other approved shape are made of black integral skin polyurethane with 50-70 share "A" hardness and reinforced with M.S. insert The armrest shall be scratch proof & weather resistant. Armrests are fitted to the seat with powder coated armrests bracket made of 5mm thick HR Steel.				

	<b>Powder coating :</b>				
	All the steel components shall have epoxy polyester powder coating with dry film thickness of 45 microns (min).				
	Seat size –450mm (W) X 440mm (D) approx.				
	Back Size -450mm (W) X 470mm (H) approx.				
4.04	<b>Perforated Chair</b>				
	Supplying & fixing multipurpose perforated chair in waiting lobby area made of 16 gauge M.S.with chrome plated finishes perforated net with hole size 3mm for seat & Backrest. The structure made of CRC pipes 14 gauge - 50mm dia, pipe ,19mm dia. Pipe, Bar of size 100mm x 75mm, with 32mm wide Arms for individual seats, steel caps and adjustable steel screw. All the structural components and parts shall have chrome plated finishes. Sizes: Seat depth – 450 mm, seat width – 450 mm, back height – 350 mm, seat height - 441mm & overall height – 775 mm (approx.)				
a)	<b>3 Seater</b>	1	Nos	13983.00	13983.00
4.05	Supplying and fixing Sofa single / two / three seater as per requirement consisting of the following:				
	a) Fully upholstered / cushioned sofa in configuration of seats as per drawings or as directed with seat size 560 x 560 mm each, back 450 mm & arms 150 mm wide.				
	b) Made out of good quality Seasoned Hard wood frame work and teak wood arm rest under carriage and grid work of non sag spring, inclusive of 100 mm thick in seat and 75mm thick in back cushion of high density (45+/- Kg/Cum) PU foam, upholstered with flame retardant leatherette tapestry of Rs.350/- to Rs.400/- per metre of approved shade complete as directed.				
A)	<b>Three Seater</b>	1	Nos	17797.00	17797.00
4.06	Supplying Centre table made of teak wood and 10mm glass top with melamine polish finish of following sizes as per approved drawing &	1	Nos	7699.00	7699.00
	<b>Trade Summary of Modular Chairs</b>			<b>630027.00</b>	
	Trade Summary				
1.00	<b>Trade total of Civil Interior works ( Partition/flooring/minor repair/Painting etc including excluding Prime cost items)</b>			2323280.70	
	<b>Provision of Prime cost</b>			50000.00	
2.00	Trade Summary of storage unit, running table & cash counter ,etc works			726544.00	
3.00	TRADE SUMMARY OF MODULAR FURNITURES			1292079.00	
4.00	Trade Summary of Modular Chairs			630027.00	
				5021930.70	
				<b>Total</b>	<b>5021930.70</b>