

SCHEDULE OF QUANTITIES (BID-II)

SUB: PROPOSED MODERNIZATION OF BRANCH OFFICE BUILDING AT SINDRI UNDER

BID NO. LIC/ECZO/22-23/11 Dated 26.07.2022

Tender Item No.	Description	Quantity	Unit	Rate (Rs)	Amount (Rs)
1	CIVIL , FLOORING & FINISHING WORK:				
1.01	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), including laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete - Size of Tile 600 mm x 600 mm (Basic Rate of Tiles Rs.60.00 per Sq ft).	375.00	sq. m	1304	489000.00
1.02	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps , over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete. :- Size of Tile 600 mmx 600 mm (Basic Rate of Tiles Rs.60.00 per Sq ft).	30.00	sq. m	1350	40500.00
1.03	Providing and fixing 16 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut at Flooring , platforms, vanity counters, window sills, door frame, facias and similar locations of required size , approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment,epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade -Area of slab over 0.50 sqm (basic rate Rs.1800.00 per Sqm)	30.00	sq. m	3599.00	107970.00
1.04	Extra for pre finished nosing to treads of steps	50.00	R.M	546	27300.00
1.05	Stone tile work for wall lining upto 10 m height with special adhesive over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement with an admixture of pigment to match the stone shade. 16 mm thick (mirror polished and machine cut edge) - Granite stone of any colour and shade.- (Entrance)- (Basic price of granite = Rs. 1800/- per sq.m)	5.00	sq. m	3669	18345

1.06	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)- Inside Wall	25.00	sq. m	271	6775.00
1.07	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand) -Ceiling	25.00	sq. m	233	5825.00
1.08	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. Internal wall, ceiling & External wall.	400.00	sqm	114	45600.00
1.09	Painting with 2 coats acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.	500.00	sq. m	83	41500.00
1.10	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :Water thinnable cement primer Internal wall& ceiling	900.00	sq. m	59	53100.00
1.11	Applying of priming coat with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	80.00	sq. m	57	4560
1.12	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade with two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture (without primer)	80.00	sq. m	121	9680.00
1.13	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work	100.00	sq. m	69	6900.00
1.14	French spirit polishing with two or more coats on new works including a coat of wood filler	20.00	sq. m	339	6780
1.15	Dismantling of Brick Work of any thickness including stacking of serviceable material and disposal of unserviceable material in contractors own dump area as per direction of Engineer-in-charge.(In cement mortar) .	5.00	Cum	1289	6,445.00
1.16	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in floor bedding as required including consolidation finishing and tamping complete.	2.00	Cu.m	6781	13562.00
1.17	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	8.00	sq.m	8652	69216
CARRYOVER TO SUMMARY					953058.00

2	INTERIOR WORKS				
	FALSE CEILING :				
2.01	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.	25.00	Sqm	1129.00	28225
	Frame work				
	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.)				
2.02	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.	350.00	Sqm	911.00	318850.00
	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 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).				
2.03	Providing and fixing decorative moldings/cornices of P.O.P. (Plaster of Paris) of approved design etc. complete including two or more coats of OBD painting etc. complete.				
a	150mm x 100mm	150.00	RM	120.00	18000.00
b	100mm X 100mm	50.00	RM	81.00	4050.00
	Full height Double skin Calcium silicate partition				
2.04	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,	30.00	Sq.M	1729	51870.00
66mm overall thickness Partition with 8mm thick double skin Calcium Silicate Board 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 two coats of low VOC interior grade acrylic emulsion paint over a coat of primer incl. surface preparation of approved make and shade. Mode of measurement: The measurement shall be for height up to false ceiling level. (No extra payment shall be made above false ceiling). The vertical members are to be raised upto ceiling for better rigidity (Rate to be include that)				

2.05	<p>Providing & Fixing of Full Height partitions upto ceiling height consisting of G.I. frame and required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll from 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, suitable anchore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood 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 9mm thick Fire Retardant plywood</p>	10.00	Sq.M	4296	42960
	<p>.....M.S. fixing channel of 99mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two 9 mm thick Fire Retardant plywood , fixed to the studs using metal to metal flat head screws, including jointing and finished with both sides 1mm thick high pressured laminates of approved make & shade etc. complete with recommended adhesive , angle beads at corners (25 mm x 25 mm x 0.5 mm) , as per manufacture's specification and direction of engineer in charge all complete. (No extra payment shall be made above false ceiling) The vertical members are to be raised upto ceiling for better rigity (Rate to be include that)</p>				
2.06	<p>Providing & Fixing of Full Height (Partly glazed & partly paneled) partitions upto ceiling height consisting of G.I. frame and required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll from 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, suitable anchore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood 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 9mm thick Fire Retardant plywood are to be fixed to the frame work with joints staggered to avoid through cracks ,</p>	30.00	Sq.m	4143	124290.00

	<p>.....M.S. fixing channel of 99mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two 9 mm thick Fire Retardant plywood , fixed to the studs using metal to metal flat head screws, including jointing and finished with both sides 1mm thick high pressured laminates of approved make & shade etc. complete with recommended adhesive , 6mm thick plain float glass fixed above 1200 mm height upto 2100 mm height including itching (Design as approved by LIC) fixed with Teak wood beading of 32 mm x 12 mm size finished with laquer polishing over a coat of primer incl. surface preparation. Glass panel shall be 1200x900 mm ht aproximately with required suitable beads etc. for fixing of glazing , as per manufacture's specification and direction of engineer in charge all complete. (No extra payment shall be made above false ceiling). The vertical members are to be raised upto ceiling for better rigidity (Rate to be include that)</p>				
2.07	<p>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.</p>	30.00	Sq.m	1995	59850.00
	<p>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 two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.</p>				

	66mm overall thickness Partition with 8mm thick double skin Calcium Silicate Board 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 two coats of low VOC interior grade acrylic emulsion paint of approved make and shade over a coat of primer. The top capping of the partition shall be teak wood 70mmx12 mm with tapered edge finished including melamine polish etc. complete.				
	WOOD WORK :				
2.08	Providing and fixing Seasoned sal wood work of any section and size for door/window frame, partitions, wall/column paneling including the cost of making rebate, if any, fitting fixing with screws/nails/holdfast whatever necessary , treated with anti termite solution, jamming with concrete/ fixed to the wall or partition where ever necessary etc. complete and as per direction. The cost includes the laquer polishing/painting to the exposed portions of frames as per site condition and as directed.	0.50	Cum	113455.00	56727.50
2.09	Providing and fixing Teak wood work of any section and size for door/window frame, partitions, wall/column paneling including the cost of making rebate, if any, fitting fixing with screws/nails/holdfast whatever necessary , treated with anti termite solution, jamming with concrete/ fixed to the wall or partition where ever necessary etc. complete and as per direction. The cost includes the laquer polishing/painting to the exposed portions of frames as per site condition and as directed.	0.50	Cum	140227.50	70113.75
	DOORS				
2.10	Providing & fixing main door fully glazed shutter made of 12 mm thick clear glass with etching fixed with 2nd class Teak wood beading of required size. Door shutter frame shall be of Teak wood section 195 mm x 38 mm at bottom, 145x38mm at top & 145x38 mm for verticals. Glass with etching including as per approved design and pattern, LIC emblem. Hardware fittings like 4 Nos- 300mm, 25mm dia long SS handles, Two Heavy duty floor springs of approved make, 4 Nos. SS finished brass tower bolts, dead lock etc. complete. Door shall be finished with laquer polish on both side as directed. (The Cost of Hardware shall be paid under relavent items tender)	10.00	Sq.M	4688	46880.00

2.11	Providing and fixing ISI marked Partly glazed door shutters conforming to IS:2202 (Part I) solid core single leaf phenol bonded 30 mm thick of approved make all as per latest IS specification including 3 nos. ISI Stainless Steel butt hinges 125 mm. long (heavy duty of required thickness) with screws including lipping of teak wood of size 30x12 mm all round the edge etc. Complete. Glass of 6mm has to be fixed in cut opening made to the shutter (approx slit of 300 mm wide & 1200mm long) as per design & direction with suitable wooden beading including laquer polishing, glass etching as per design approved and finished with both sides 1mm thick high pressured laminates of approved make & shade etc. complete with recommended adhesive. (Hardware fittings will be paid in respective items.)	10.00	Sq.M	3204	32040.00
2.12	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters : 30 mm thick including ISI marked Stainless Steel butt hinges 03 nos 125 mm long with necessary screws	10.00	sq. m	2595	25950.00
2.13	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured	20.00	sq.m	370	7400.00
2.14	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality :1.0 mm thick	180.00	sq.m	703	126540.00
	STORAGE UNITS :				
2.16	FULL HEIGHT STORAGE UNIT : Providing & fixing 450mm deep and 2100mm approx ht. storage unit as per following:	10.00	Sqm	9180	91800.00
	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 and dents.				
	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)				
	Low Height Storage Units :				
2.17	The same as above of item no.2.16 but height 1200mm approx with 02 nos. Intermediate shelves and Storage 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. The shades and colour of laminate and PVC lipping shall be as approved by Engineer-in-Charge.	20.00	Sqm	9180	183600.00
2.18	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)	3.00	Nos	32083.8	96251.40
	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 with CP polished edges to be fixed in the middle portion of the service top towards the cashier side up to ht. of 2100 mm. from floor top.. 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 compartment 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.				
2.19	P/F powder coated aluminium Deco grill of opening size 50x50mm approx fixed with liquer polish 32x32mm TW moulding.	5.00	Sqm	2202.9	11014.50
2.20	RUNNING TABLES FOR IT ROOM:				
a)	Providing & making Computer table of size 750 (W) X 750 mm (height)x Length as per site requirement , made out of 19 mm thk. FSC certified Fire Retardent (IS : 5509) plywood as detailed below.	6.00	R.M	7065.45	42392.7

b)	Table top made of 19 mm thk. Fire retardent ply wood finished with 1 mm thk FSC certified Fire Retardant high pressured lamination on top surface and French polish on bottom surface with half round teakwood beading of sect. 20 X 12 mm mealmine polished.				
c)	Drawer unit of width 400mm and 450 mm deep, at every 1200 mm length or part thereof, consisting of set of 3 nos. of drawers (2 small drawer and one file drawer), Each drawer to be made of Fire Retardent Plywood confirming to IS : 5509 :19 mm thk. for the front and back, 12mm thick for sides and 6 mm thk. bottom sliding on soft closing slides(suitable for 450 mm deep desks of Ebco or equivalent make) as manufactured by ebco. including teak wood lipping of size 19 X 6 mm on edges for the drawer.				
d)	The front face of the drawers to be finished with 1 mm thick FSC Certified Fire Retardant pressured laminate of colour matching with table top laminate. Inside drawers shall be finished with 0.8 mm thick balancing fire retardant high pressure lamination. All vertical edges of the drawer unit to be provided with teak wood beading of sect. 20 X 12 mm and rounded off after fixing the laminate and 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)	All the Non laminated internal surfaces to be painted with French polish wherever balancing laminate is not provided				
g)	The table to be supported on three sides with 19 mm thick fire retardent plywood finished with 1 mm thk high pressured lamination on outer surface & paint on inner surface incl rounded teak wood beading of sect. 20 X 12 mm on all edges duly polished.				
h)	CPU Stand Made of powder coated sheet metal with lockable castors to take safe load 12 Kgs and width adjustment 115mm to 210 mm (Ebco Model CPUS E1) or equivalent approved.				
i)	The vertical edges of the table to be provided with teak wood beading of sect. 20 X 12 mm and rounded off after fixing the laminate and duly polished.				
2.21	Providing and fixing Running table 450mm 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 and all unexposed surfaces shall be painted with two coats of synthetic enamel over a coat of primer. Suitable Teak wood beading to exposed edges with polish all complete with neat finish as directed.	15.00	R.M	3110.1	46651.50
2.22	Providing & making glass itching of approved design as directed	10.00	Sqm	581.7	5817.00

2.23	Providing and fixing Fire Retardant plywood confirming to IS:5509 in partitions, shelves, wardrobe, Conference tables, furniture tables, storage units etc. with screws including 6mm thick TW lipping in exposed surface/ edges etc. complete as per drawing & direction.				
a	6 mm thick	10.00	Sqm	802.2	8022.00
b	9 mm thick	10.00	Sqm	1109.85	11098.5
c	12 mm thick	10.00	Sqm	1347.15	13471.5
d	19 mm thick	10.00	Sqm	1824.9	18249.00
	TW MOULDINGS :				
2.24	Providing and fixing T.W mouldings wherever required and ordered specifically including Laquer polish.				
a	40 x 12 mm	50.00	R.M	81.9	4095.00
b	25 x 25 mm	20.00	R.M	87.15	1743
c	25 x 12 mm	20.00	R.M	73.5	1470.00
	PIN-UP BOARD:				
2.25	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	8.00	Sqm	2257.5	18060.00
2.26	Providing and fixing 100mm vertical 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)	60.00	Sqm	1160.25	69615
2.27	Prime cost item for providing of hardware fittings and fixtures as per direction and as approved. Original purchase voucher/cash memo has to be submitted for reimbursement.			As per Actual	50000.00
2.28	Fitting & fixing of the hardware fittings including all fixing materials such as screws, nails adhesive etc. all labour charges and profits and overhead expenses on T.I. No.5.06			25% on Actual Price	12500.00
	CARRYOVER TO SUMMARY				1637097.35
3.00	MODULAR FURNITURE				
	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.				

	SUPPLYING AND FIXING FACTORY MADE FREE STANDING TABLE AND SIDE CREDENZA				
3.01	Providing & placing free standing table for Branch Manager (consisting top, sides & front apron) of overall size 1800x900x750 mm. made of 19 mm th. Fire Retardant Plywood conforming IS:5509 for top, sides & front aprons (apron will be placed 100mm above floor level and 150 mm inside front edge) with 6 mm. thick teak wood leaping at edges, (including making circular slit for cable manager & providing cable manager). . Exposed faces finished with 1 mm thick High pressured Laminates of approved make & shade and internal surfaces finished with 0.8 mm high pressured balancing laminates etc complete.	1.00	Each	14994	14994.00
	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 mmthick 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 table for AO/AAO (consisting top, sides & front apron) of overall size 1500x750x750 mm. made of 19 mm th. Fire Retardant Plywood conforming IS:5509 for top, sides & front aprons (apron will be placed 100mm above floor level and 150 mm inside front edge) with 6 mm. thick teak wood leaping at edges, (including making circular slit for cable manager & providing cable manager). Exposed faces finished with 1 mm thick High pressured Laminates of approved make & shade and internal surfaces finished with 0.8 mm high pressured balancing laminates etc complete.	8.00	Each	14000	112000.00

3.03	.---Do--- as above of item no. 3.01 table for Assistant,HGA and Programer -II (consisting top, sides & front apron) of overall size 1350x600x750 mm. made of 19 mm th. Fire Retardant Plywood conforming IS:5509 for top, sides & front aprons (apron will be placed 100mm above floor level and 150 mm inside front edge) with 6 mm. thick teak wood leaping at edges, (including making circular slit for cable manager & providing cable manager).Exposed faces finished with 1 mm thick High pressured Laminates of approved make & shade and internal surfaces finished with 0.8 mm high pressured balancing laminates etc complete.	16.00	Each	12000	192000.00
3.04	.---Do--- as above of item no. 3.01 table for Development Officer(consisting top, sides & front apron) of overall size 1500x600x750 mm. made of 19 mm th. Fire Retardant Plywood conforming IS:5509 for top, sides & front aprons (apron will be placed 100mm above floor level and 150 mm inside front edge) with 6 mm. thick teak wood leaping at edges, (including making circular slit for cable manager & providing cable manager).Exposed faces finished with 1 mm thick High pressured Laminates of approved make & shade and internal surfaces finished with 0.8 mm high pressured balancing laminates etc complete (For Development Officer)	5.00	Each	13000	65000.00
3.05	.---Do--- as above of item no. 3.01 table for Record Clark (consisting top, sides & front apron) of overall size 1200x600x750 mm. made of 19 mm th. Fire Retardant Plywood conforming IS:5509 for top, sides & front aprons (apron will be placed 100mm above floor level and 150 mm inside front edge) with 6 mm. thick teak wood leaping at edges, (including making circular slit for cable manager & providing cable manager).Exposed faces finished with 1 mm thick High pressured Laminates of approved make & shade and internal surfaces finished with 0.8 mm high pressured balancing laminates etc complete.	2.00	Each	11000	22000.00
3.06	.---Do--- as above of item no. 3.01 table for Sub-staff of Size 900x500x750 mm, made of 19 mm thick Fire Retardant Ply wood (IS 5509) with 6 mm TW leaping at edge of plywood.Providing & fixing 1mm thick High pressured Laminates on top, front and exposed surface of the table,. All other internal surfaces provided with 0.8 mm high pressured laminates all complete .	2.00	Each	8800	17600.00
3.07	.---Do--- as above of item no. 3.01 but size 900x500x750 mm (For Computer Table of Development Officer) made of 19 mm thick Fire Retardant Ply wood (IS 5509) with 6 mm TW leaping at edge of plywood.Providing & fixing 1mm thick High pressured Laminates on top, front and exposed surface of the table,. All other internal surfaces provided with 0.8 mm high pressured laminates all complete.	1.00	Each	8800	8800.00

SIDE CREDENZA :					
3.08	Providing and fixing of Side unit cum printer table of Sizes 900x450x722 mm, made of 19 mm thick Fire Retardant Ply wood (IS 5509). one Drawer made of 19 mm thick Fire Retardant Ply wood (IS 5509), 12 mm thick Fire Retardant Ply wood (IS 5509) at sides, 6 mm thick Fire Retardant Ply wood (IS 5509) at bottom,. Each drawer shall be fitted with telescopic drawer channel of ebco or equivalent make.Providing approved SS HANDLES 10 mm dia 96 mm long of approved make, locking arrangement with multiple drawer lock of Godrej as per drawing and direction. Providing & fixing 1mm thick High pressured Laminates on top, front and exposed surface of the side unit, drawers etc. All other surfaces provided with two coats of synthetic enamel paint over a coat of primer.(AO/AAO)	7.00	Each	7500	52500.00
3.09	Providing and fixing of Side unit cum printer table of Sizes 750x450x722 mm, made of 19 mm thick Fire Retardant Ply wood (IS 5509). one Drawer made of 19 mm thick Fire Retardant Ply wood (IS 5509), 12 mm thick Fire Retardant Ply wood (IS 5509) at sides, 6 mm thick Fire Retardant Ply wood (IS 5509) at bottom,. Each drawer shall be fitted with telescopic drawer channel of ebco or equivalent make.Providing approved SS HANDLES 10 mm dia 96 mm long of approved make, locking arrangement with multiple drawer lock of Godrej as per drawing and direction. Providing & fixing 1mm thick High pressured Laminates on top, front and exposed surface of the side unit, drawers etc. All other surfaces provided with two coats of synthetic enamel paint over a coat of primer.(Asstt./HGA/DO)	21.00	Each	6000	126000.00
3.10	Providing, making & placing of Side Credenza of overall size 1350 mm long, 450 mm wide and 722 mm ht. made of 19 mm thk. Fire Retardant Ply wood (IS 5509) at top, bottom, sides & in one shelf of 540 mm wide (below key board). 6mm thick Fire Retardant Ply wood (IS 5509) at rear side. One no. "ebco" or any other equivalent make powder coated metallic sheet Key Board Tray) of size 510 X 230 mm with sliding channel on both sides with soft palm and inbuilt sliding Mouse Pad Tray (LHS/RHS), one openable shutter with 19mm thk. Fire Retardant Ply wood (IS 5509) including making slit opening of suitable size for paper feeding on the top of side unit, shelf of 19mm thk. Fire Retardant Ply wood (IS 5509) and T.W. leaping at edges. Exposed portions to be finished with 1mm thick laminates of approved make & shade and internal surfaces with with 0.8 mm high pressured balancing laminates etc complete including all necessary hardware such as stain less steel, handles,. locks of approved make & as desired.(MM/DM/ADM/BM)	1.00	Each	11200	11200.00
PARTITIONS :					

3.11	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:	15.72	Sqm	4900	77008.40
	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.				
3.12	Extra payable for providing Fabric panel (tackable type) in lieu of pre laminated particle board panes in partition mentioned in item no.3.12 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).	8.00	Sqm	350	2800

	PEDESTAL DRAWER UNIT & ACCESSORIES :				
3.13	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.	24.00	Each	6000	144000
	Pedestal Drawer unit : Size 450mm X 515 mm X 725 mm height.				
	Carcass : Made out of 0.8mm thick M.S. sheet, treated with 7 tank Galvanized process and finished with powder coating of approved shade & thickness of 50 microns.				
	Drawer : 2 Nos. of drawers & 1 no. filing drawer made out of 0.6 mm thick M.S. sheet, treated with 7 tank Galvanized 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 shall have central locking (7 lever) lock in front with hinge key in two sets.				
	Handles : The units shall have M.S. pressed concealed handles to every drawer.				
	The unit shall have 4 nos. glide screws with height Adjustment of +/- 10mm.				
3.14	-Do- as item no.2.13 above but Pedestal Drawer unit : Size 380mm X 450 mm X 725 mm height.	9.00	Each	5800	52200.00
3.15	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.	30.00	Each	1200	36000.00
3.16	Fabricating, supplying & placing in position below table movable type M.S. powder coated CPU trolley of size 230mm X 270mm X 150mm for placing any size of CPU unit, made out of 16 SWG M.S. sheet with 4 nos. of lockable type castors etc. complete.	30.00	Each	700	21000.00
CARRYOVER TO SUMMARY					955102.40
4.00	SUPPLY OF CHAIRS				
4.01	Providing & supplying of High back cushioned chair with following specification: (For MM/ DM /ADM /SBM /BM (I/C)	1.00	Each	8100	8100.00
	Seat size –480m (W) X 440mm (D) approx.				
	Back Size -480mm (W) X 660mm (H) approx.				
	Seat & Back assembly:				
	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.				
	Leatherite Tapestry				
	Flame retardant leatherette tapestry of Rs.350/- to Rs.400/- per metre of approved shade complete as directed.				
	Tilting & Revolving Mechanism:				
	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.				
	Gas lift:				
	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.				
	Pedestal assembly :				
	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.				
	Telescopic bellow assembly :				
	The bellow shall be 3 piece telescopic type and injection moulded in black Polypropylene.				
	Twin wheel castors :				
	The twin wheel castors shall be injection moulded in 30% glass filled nylon & extra smooth.				
	Polyurethane armrest :				
	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.				
	Powder coating :				
	All the steel components shall have epoxy polyester powder coating with dry film thickness of 45 microns (min).				
4.02	Do- as item no. 15.01 above but for medium back cushioned chairs but having following sizes : (For AO / AAO / HGA / Asst / RC/ DO & others)	32.00	Each	5850	187200
	Seat size -450mm (W) X 440mm (D) approx.				
	Back Size -450mm (W) X 550mm (H) approx.				
4.03	Providing & supplying low back fixed cushioned chair with tubular cantilever type frame made of 25.4mm dia, 14 BG ERW tube with powder coated but having following size: (For Visitors, Agents, Sub- staff & others)	80.00	Each	4950	396000
	Leatherite Tapestry				
	Flame retardant leatherette tapestry of Rs.350/- to Rs.400/- per metre of approved shade complete as directed.				

	Polyurethane armrest :				
	The one piece armrest of diamond / rectangular / elliptical shape or any other approved shape are made of black integral skin polyurethane with 50-70 shore "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.				
	Powder coating :				
	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	Perforated Chair				
	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)	3 Seater	1.00	Each	11700	11700
b)	2 Seater	1.00	Each	8100	8100.00
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)	Two Seater	1.00	Each	10095.75	10095.75
b)	Single Seater	1.00	Each	5048.4	5048.40
4.06	Supplying Centre table made of teak wood and 10mm glass top with melamine polish finish of following sizes as per approved drawing & as directed	1.00	Each	6057.45	6057.45
	Over all size 1200X 500X450 MM				
	CARRYOVER TO SUMMARY				632301.60
5.00	INTERNAL ELECTRICAL WORK				
	CUBICLE PANNEL FOR BO				
	Supply,installation,testing and commissioning of cubicle main pannel board consist of the following:-				
	Compartment wise cubicle panel board fabricated out of 16 SWG MS CRCA sheet and required suitable frame work.				

	The electric cubicle panel shall be floor/wall mounted on suitable frame work and properly grouted. The panel width must be 300 mm)The panel shall be degressed ,anti rust treated with two coats of red oxide primer and finished with two coats of spray enameled of approved colour with provision of ventilation slot and cable entry and cable end box also.				
	The incomer is as follows:-				
	250 AMP ,FP ,36 KA MCCB- 1 no				
	Suitable capacity voltmeter along with selector switch - 1no				
	Suitable capacity Ammeter along with selector switch and suitable capacity CT - 1no				
	Indicator switch (R,Y,B) - 1 set				
	Suitable capacity earth busbar - 1 set				
	Required internal wiring along with proper code.				
	Outgoing of the panel is as follows:-				
	Tinned copper busbar (One no. 50x6mm another for 25x6 mm of suitable size 4 nos. each)				
i	100 A MCCB 4 P 25kA -3 nos				
ii	63 AMP 4 pole 10KA MCB -8 nos.				
iii	63 AMP 4 pole on load change over switch- 1 no(for getting the dual supply - one from supply board and other from DG set				
NOTE:-	The internal wiring of the panel from busbar to individual switchgear should be proper code wire and all incoming and outgoing to the panel should be properly tagged with tag mark .				
	Sufficient wires/cables should be kept as spare during internal and external wiring and to be kept inside the cable end chamber so as to be in future. (Details of panel drawing shall be approve before installation.	1.00	Set	95000.00	95000.00
5.1	DISTRIBUTIION BOARD S FOR LIGHT POWER AND UPS SUPPLY				
	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a	4 way (4 + 12), Double door for AC, Lighting & IT room	5.00	Each	2823.00	14115.00
b	6 Way (6+18) Double Door DB	1.00	Each	3400.00	3400.00
5.2	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess,complete with tinned copper bus bar, neutral bus bar, earth bar,din bar, interconnections, powder painted including earthing etc.as required. (But without MCB/RCCB/Isolator)				
a	8Way Double Door (Light DB)	6.00	Each	1620.00	9720.00
b	12 way, Double door- SPN DB (UPS DB)	2.00	Each	1890.00	3780.00
5.3	Supplying and fixing following MCB's (10 kA) in existing DB's including making connections and earthing.				
a	6 to 32 A SP MCB	100.00	Each	183.00	18300.00
b	6 to 32 A DP MCB	30.00	Each	512.00	15360.00
c	6 to 32 A TP MCB	1.00	Each	760.00	760.00
d	6 to 32 A FP MCB	1.00	Each	1005.00	1005.00
e	63 A TPN MCB	4.00	Each	1677.00	6708.00

5.4	Supplying and fixing 32A rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current 100 mill amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required	6.00	Each	2100.00	12600.00
5.5	Supplying and fixing DP Sheet encloser on surface /recess along with 25/32 A 240 V C curve DP MCB complete with connection testing and commissioning etc as required.	4.00	Each	781.00	3124.00
5.6	Providing and fixing of 100A 4 pole, 25KA breaking capacity MCCB in existing cubicle panel board/ enclosure including drilling holes in cubicle panel, making connections, etc. as required.	2.00	Each	5482.00	10964.00
5.7	Supply and fixing of above MCCB sheet metal enclosure on surface/ recess complete as required. (But without MCB/MCCB)	2.00	Each	1827.00	3654.00
5.8	SERVICE CONNECTION CABLE				
	SITC OF PVC ALUMINUM CABLE:- Supply,installation,testing and commissioning of following PVC insulated PVC sheathered armoured / XLPE aluminium Conductor cable of 1.1KV Grade directly on wall/in trench/in existing GI,PVC,Hume pipe ,in wall including chasing of walls , repairing all works, using clamps including providing, making and jointing terminations of various cables on both ends, thimbles, tapping, cable glands, nuts, bolts, saddles, clamps etc.as required at site to 'various switch gears etc.The work include excavation of trench of required size, providing sand cushioning and brick laying & refilling the trench as required.				
a	3.5/ Core, 35 Sq.mm+ 2 run of 12 SWG GI wire.	80.00	Rm	250.00	20000.00
b	3.5/ 4 Core, 120 Sq.mm+ 2 run of 12 SWG GI wire.	60.00	Rm	715.00	42900.00
5.9	SUBMIAN WIRING				
	SITC OF PVC ARMoured COPPER CABLE:- Supply,installation,testing and commissioning of following PVC insulated , PVC sheathered / XLPE Copper Conductor Power armoured cable of 1.1KV Grade directly on wall/in trench/in existing GI/PVC/Hume pipe , using clamps including providing, making and jointing terminations of various cables on both ends, thimbles, tapping, cable glands, nuts, bolts, saddles, clamps etc.as required at site to 'various switch gears etc.				
a	3 Core,4 Sq.mm (for UPS DB, LDB &Output cable for Acs)	250.00	Metre	250.00	62500.00
b	4 Core, 16 Sq.mm(from panel room to TPN Light DB & IT DB)	50.00	Metre	725.00	36250.00
c	3 core 2.5 sq.mm for AC output	200.00	Metre	133.00	26600.00

5.10	PVC CASING AND CAPPING				
	PVC CASING AND CAPPING IN WALL:- Supplying & laying of following sizes of heavy duty Rigid PVC conduit of 2.0 mm thickness with ISI mark & as per tender specification (in wall) along with all PVC accessories including wall machine cutting and filling of the same with mortar and providing a finished surface with a provision of 25 mm deep M.S junction Box of size 150/100/75 as and where required . The PVC conduit in wall to be properly clamped and as per the directive of Engineer-in charge				
a	25X16 mm (Nominal)	20.00	Rm	73.00	1460.00
b	32x 25 mm (Nominal)	20.00	Rm	77.00	1540.00
c	38x16 mm (Nominal)	20.00	Rm	82.00	1640.00
5.11	GI RUST PROOF JUNCTION BOX:- Supplying & fixing of following size GI rust proof junction box (20 SWG) in slab/wall/floor wherever required to be fixed in concealed /recessed manner including wall cutting , plastering etc & making good the damages caused to the original finish.(The position of the boxes to be installed will be as per instruction of Engineer in charge				
a	100x100x60 mm deep	24.00	Each	158.00	3792.00
b	180x100x60 mm deep	27.00	Each	181.00	4887.00
c	200x150x60mm deep	10.00	Each	258.00	2580.00
5.12	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	1 x 1.5 sq. mm	52.00	RM	30.00	1560.00
b	3 x 2.5 sq. mm	50.00	RM	79.00	3950.00
c	2 x 4 sq. mm	50.00	RM	90.00	4500.00
5.13	INTERNAL ELECTRICAL WIRINGS				
	POINT WIRING				
	Providing Point wiring With 3x1.5 sq.mm. FRLS copper stranded wires for light fittings / all types of fans. With 2x1.5 sq.mm. for Light holder points / call bell points. in appropriate size of Medium duty FRLS PVC Cnduits (ISI marked) with all acceseries conduit with accessories concealed in walls, beams slabs etc. with shock proof accessories like modular type switches, plug sockets, backelite covered brass batten / Angle Holder / Ceiling rose etc. as required in MS box of adequate size. Rates quoted shall be inclusive of the cost of necessary chasing for concealing various accessories like conduit and box etc.				
	Circuit wiring : (in new Medium duty FRLS PVC Cnduits & accesories (ISI marked)) Rates quoted below shall be inclusive of cost of providing necessary circuit wiring from DBs to switch boards with 3x2.5 sq.mm. size FRLS wires as required. (Multi-Standard FRLS wires shall be used) .				
	For light points,fanpoint , call bell point and exhaust fan pts. Etc.	150.00	Each	868.00	130200.00

5.14	Independent 5 A power point:- Supply,installation,testing and commissioning of electrical power plug point wiring (5 A) by 3X2.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed along with medium class PVC conduit , 5 AMP/5 pin modular switch,socket combined in all respect (For separate independent point of quarters and branch as advised by engineer in charge	20.00	Each	862.00	17240.00
5.15	5 A power point on switch board:- Supply,installation,testing and commissioning of electrical power plug point wiring (5 AMP) by 3X1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed along with medium class PVC conduit along with 5 AMP/% pin switch ,socket complete in all respect (to be in the controlling switch board)of quarters and branch as advised by engineer in charge	19.00	Each	352.00	6688.00
5.16	Ceiling fan regulator:- Supply,installation,testing and commissioning of modular ceiling fan step regulator along with all connections complete in all respect.	4.00	Each	312.00	1248.00
5.17	PRIMARY UPS POINT:- Supply, Installation ,testing and commissioning of a primary UPS point consisting and supplying of of a set of 3 No 10 Amps. 5 Pin modular multi socket & 1 No of 15 Amp. Modular Switch including suitable depth modular type PVC recessed type / surface type switch box & modular range faceplate & inner cover of same make to be concealed in partition / wall/work station etc including all connections & earthing with electrical wiring with 3 x 2.5 sqmm PVC insulated multi core round insulated FR flexible cables and rigid FR PVC conduit pipe (heavy gauge) of suitable size or suitable size race way as per site condition and as decided by LIC engineer . (for UPS power on work stations & tables)	20.00	Each	2035.00	40700.00
5.18	SECONDARY UPS LOOPING POINT:- Supply, Installation ,testing and commissioning of secondary UPS looping point consisting and supplying of of a set of 3 No 10 Amps. 5 Pin modular multi socket & 1 No of 15 Amp. Modular Switch including suitable depth modular type PVC recessed type / surface type switch box & modular range faceplate & inner cover of same make to be concealed in partition / wall/work station etc including all connections & earthing with electrical wiring with 3 x 1.5 sqmm PVC insulated multi core round insulated FR flexible cables and rigid FR PVC conduit pipe (heavy gauge) of suitable size or suitable size aluminium race way as required and as per site condition. This secondary point has to be looped from the Primary point as per item no.16.11.01 (<i>for UPS power on work stations & tables</i>)	15.00	Each	1113.00	16695.00
5.19	15 AMP power point away from switch board:- Supply,installation,testing and commissioning of electrical power plug point with 15 A modular switch,socket,face plate ,back cover complete in all respectvt along with required PVC conduit and 3 x4 sqmm PVC insulated multi core round FR flexible copper conductor cable complete in all respect.	3.00	Each	1409.00	4227.00

5.20	Telephone wiring :-Supply,installation,testing and commissioning of following pair 0.5 sq mm FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required along with supply and fixing of RJ-11 telephone socket out let				
a	2 pair	200.00	Rm	20.00	4000.00
b	10 pair	20.00	Rm	150.00	3000.00
5.21	Crone Box :-Supply,installation ,testing and commissioning of 10 pair of crone box along with crone .	2.00	Each	850.00	1700.00
5.22	Supplying and fixing Telephone socket outlet modular switch/ socket on the existing modular plate & switch box including connection but existing modular plate etc as required	15.00	Each	110.00	1650.00
5.23	Supplying and fixing of following 1 or 2 moudule , GI box along with modular baseplate & cover plate for modular switches in reecess etc as required	15.00	Each	224.00	3360.00
FITTINGS & FIXTURES					
5.24	LED TUBE LIGHT FITTINGS ON WALL :-Supply, installation, testing and comissioning of Ultra modern minimum 24 Watt LED tubelight type luminaire of approved make including 01 no 24 watt LED Tube light mounted directly on wall with PVC round block including all connection . The samples to be got approved before installation	10.00	Set	571.00	5710.00
5.25	36 WATT LED 2 X 2 FT FITTINGS :- Supply,installation,testing and commissioning of LED recessed fittings Of 36 watt system power suitable for 2 x 2 tile of armstrong/grid/pop ceiling complete with separate electronic driver . The fitting will provide glare free illumination with longer life and less maintenance. The model number of CROMPTON make is LCTLRN-36-FO-CDL or its equivalent make in PHILIPS and WIPRO etc.	40.00	No	3457.00	138280.00
2.26	12 WATT LED down lighter :- Supply,installation,testing and commissioning of LED round recessed down ligher of 12 watt suitable for armstrong/grid/pop ceiling with separate electronic driver . The fitting will provide glare free illumination with longer life and less maintenance. The model number of CROMPTON make is LSCRM - 12W-CDL or its equivalent make in PHILIPS and WIPRO etc.	20.00	No	814.00	16280.00
5.27	BULK HEAD FITTING :-Supply and erection of approved make Bulk Head Light fitting with clear cover complete with all accessories including LED bulb of 18 watt connections etc as required.	2.00	Each	939.00	1878.00
5.28	CEILING FAN :-Supply,installation,testing and commissioning of following size approved make Ceiling Fan brown colour with all standard accessories including necessary connections by single core 3 x 1.5 sq. mm PVC insulated copper conductor etc as required complete in all respect.				
	48 "(1200 mm)	1.00	Each	1450.00	1450.00

5.29	SITC OF WALL MOUNTING FAN WITH METAL BLADE:- Supply & fixing of 400 mm sweep wall mounting fan (oscillation type) with metal body & blades with pull cord for speed regulation and all necessary accessories.	15.00	Each	3300.00	49500.00
5.30	EXHAUST FAN:- Supply,installation,testing and commissioning of following size approved make Exhaust Fan with all standard accessories and suitable size Aluminium louver(to be fitted on the external surface of the outer wall) and inner grilled to be fixed in the existing opening/ventilator/as directed . the work should be complete in all respect along with connection and making good to the damage if any as required.				
a	9 " (225 mm)	3.00	Each	1523.00	4569.00
b	12 " (300 mm) heavy duty	1.00	Each	1630.00	1630.00
5.31	Fixing of LED lamp:- Supply,fixing,testing and commissioning of 23 watt LED bulb to be fixed in existing light holder point.	5.00	Each	321.00	1605.00
	IT ROOM WORKS				
5.32	Supplying and fixing DP Sheet encloser on surface /recess along with 25/32 A 240 V C curve DP MCB complete with connection testing and commissioning etc as required.	4.00	Each	781.00	3124.00
5.33	INCOMEING AND OUTGOING CABLE UPS: Supply,installation,testing and commissioning of 3 core 6 sqmm flexible copper cable from IT pannel to 5.0/7.5 KVA UPS incoming and outgoing in 32 mm steel flexible pipe				
a	3 Core 6 Sqmm Flexible Cable	10.00	Rm	230.00	2300.00
b	3 core 4 Sqmm flexible Cable	10.00	Rm	168.00	1680.00
5.34	2 POLE CHANGE OVER SWITCH:- Supply ,installation,testing and commissioning of of 2 Pole 63A Change over Switch housed in Sheet steel factory made enclosure to be fixed on wall including making connections.	2.00	Set	1500.00	3000.00
5.35	Dismantling of Tube light, ceiling fans and handed over to LICl.	100.00	Each	50.00	5000.00
	EARTHING:-				
5.36	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	2.00	Each	4799.00	9598.00
5.37	P/F GI tape 20mmx3mm thick paralet or surface of wall for lightning condutcor complete as required (for horizontal run)	80.00	Each	91.00	7280.00
	CARRYOVER TO SUMMARY				896241.00

FIRE ALARM SYSTEM					
6.1	SMOKE DETECTOR :-Supply, erection, jointing, testing and commissioning of smoke detector with built in LED and mounting base complete with all connection as required.	30.00	Each	1000.00	30000.00
6.2	HEAT DETECTOR :-Supply, installation, testing and commissioning of heat detector operating at 54 degree centigrade to 57 degree centigrade with rate of rise cum fixed temperature (dual thermistor) type with mounting base complete with all connection as required.	1.00	Each	928.00	928.00
6.3	Supply, erection, jointing, testing and commissioning of response indicator ON SURFACE/RECESS box having two Leds complete with all connections as required..	2.00	Each	161.00	322.00
6.4	Supply, installation, testing and commissioning of fire alarm sounder (Hooter) with facility to make announcement , mounted in MS box (16 SWG) with hinged cover plate and suitable for operation with amplifier i/c line matching transformer etc. complete as required.	2.00	Each	478.00	956.00
6.5	Manual Call point :-.Supply, erection, jointing, testing and commissioning of manual call box of ABS type in surface/recess with stainless steel chain and hammer assembly complete with glass and push button etc. as required.	3.00	Each	405.00	1215.00
6.6	Supply, erection, jointing, testing and commissioning of FIRE ALARM 8 Zone Control panel complete with visual indication for short circuit fault, open circuit fault, fire condition and all other standard facilities as per IS :2189 along with mimic diagram for all area/zone covered complete with all connections/interconnections as required . The fire alarm panel should work on 220 Volt AC complete with S.M.F. Battery Back up with Battery charger arrangements.	1.00	Each	7425.00	7425.00
6.7	(One UPS power point supply to be given for fire panel)				
6.8	SITC OF FIRE CABLE :-Supply and laying of fire alarm armoured cable of size 2 x 1.5 Sqmm with 600/1000 volt with annealed copper conductor having XLPE insulation ,steel wire armouring and FRLS outer sheath complete as required. The cable should be fixed to ceiling/ wall with necessary saddles and spacers.	150.00	Rm	124.00	18600.00
6.9	Supply and fixing 25 mm diameter MS flexible pipe with PVC coating along with all accessories and ancillaries like coupler etc.	50.00	Rm	46.00	2300.00
CARRYOVER TO SUMMARY					61746.00
DATA CABLING WORK					
7.1	Supply , installation, testing and commissioning of UTP 4 pair CAT 6 LAN cable of 1 run in existing surface /recessed steel/recessed steel/PVC conduit as required.	50.00	Rm	43.00	2150.00
7.2	SUPPLY AND LAYING OF DATA POINT :- Supply and laying of e- cat6 data cable from Data rack/Data switch and RJ 45 terminal along with top box and face plate all in modular in suitable PVC FR conduit/race way for individual work stations . It will be along with necessary tagging, installation, saddling and fixing as required and as advised at site.				
a	Single type (individual cubicle)	40.00	No	1210.00	48400.00

7.3	IO BOX:- Supply , installation,testing and commissioning of modular information out let box (IO) suitable for RJ 45 terminals including Gang box(PVC) and top cover face plate , to be fixed in concealed manner in partition by necessary bolts & nuts. Or as directed at site				
a	Single type	1.00	No	485.00	485.00
7.4	PATCH PANNEL:- Supply,installation,testing and commissioning of 24 port, 19 inch PATCH PANNEL to be mounted in DATA RACK.	2.00	No	4967.00	9934.00
7.5	Installation & commissioning of managed Data Switches suitable for rack.(Managed switch is to be provided by LICI.	2.00	No	733.00	1466.00
7.6	PATCH CORD OF 2 M LENGTH:- Supply ,installation,testing and commissioning of 2 meter long (cat-6)factory made PATCH CORD . (Locally made patch cords shall not be accepted)	40.00	No	274.00	10960.00
7.7	PATCH CORD OF 1 M LENGTH:- Supply ,installation,testing and commissioning of 1 meter long (cat-6)factory made PATCH CORD . (Locally made patch cords shall not be accepted)	40.00	No	154.00	6160.00
7.8	WALL MOUNTING MODEM RACK:- Supply and Installation of 19", 9U (WALL MOUNTING TYPE) MODEM RACK with all accessories.	2.00	No	6990.00	13980.00
7.9	POWER POINT:- Supply & Installation of a point consisting and supplying of a set of 1 No 15/16 Amps snap switch and 1 nos 15/16 amp 5 Pin modular multi socket including suitable depth modular type PVC recessed type / surface type switch box & modular range faceplate & inner cover of same make to be concealed in partition / wall/work station etc including all connections & earthing with electrical wiring with 3 x 2.5 sqmm PVC insulated multi core round insulated FR flexible cables and rigid FR PVC conduit pipe (heavy gauge) of suitable size or aluminium cable tray as the case may be .	5.00	Pt.	854.00	4270.00
7.10	PVC CONDUIT PIPE:- Supply and laying of following size rigid PVC conduit pipe (Heavy Gauge) along with accessories in surface/recess including cutting the wall and making good the same in case of recess conduit as required.				
a	32mm dia	20.00	Rm	89.00	1780.00
b	25 mm dia	100.00	Rm	82.00	8200.00
c	20mm dia	100.00	Rm	76.00	7600.00
7.11	Supplying and installing following size aluminium race way for laying data , ups and telephone cables as required including cutting of floor and making the damage to original finish.				
a	100x50x1.6 mm	0.00	No	380.00	0.00
b	150x50x1.6 mm	0.00	No	428.00	0.00
	CARRYOVER TO SUMMARY				115385.00

AIR CONDITIONING WORK					
8.1	Supply, installation, testing & commissioning of following Hi wall type split 5 star inverter AC unit with one indoor and one outdoor units , 5 Star inverter BEE labeled energy efficient AC unit with Rotary type compressor, air deflection system and all accessories complete with LCD remote control unit (including operational batteries) filling of R-32 Refrigeration gas, Control cable between indoor and out door unit & suitable for & suitable for operation on 50 HZ single phase A.C. supply etc. the cost shall be inclusive for necessary angle support for mounting AC unit, minor modification of Window, necessary plywood frame work for blocking air leakage. (Rate is inclusive of up to 4m length of refrigerant piping.) (CAT no. shall be specified along with Technical literature.) Note: All AC units shall have copper condenser coil. Makes for Air conditioners- Voltas/Carrier/BlueStar/Hitachi.				
a	1.5 TR Hi- wall Split AC	3.00	Each	33000.00	99000.00
b	2 TR Hi- wall Split AC	8.00	Each	37000.00	296000.00
C	Supply and installation of 4 way 2.0TR Cassette Type Air conditioner with scroll / Rotary / Twin rotary, having R32 /R37/ R410A (Eco Friendly) refrigerant including indoor unit outdoor unit, decorative grille and cordless remote and machine shall have copper condenser unit (Bluestar/ Carrier/ Hitachi/Voltas make) Control cable between indoor and out door unit & suitable for operation on 50 HZ single phase A.C. supply etc.	6.00	Each	75000.00	450000.00
d	Providing & Fixing Refrigerant copper piping Cassette AC laid between indoor & outdoor unit as per OEM's specifications duly insulated with Class "O" fire retardant sleeve type elastomeric nitrile rubber insulation. The item also includes copper electrical flexible cable of appropriate size. Alu. foil membrane shall be applied to provide resistance against breakdown due to UV radiation for exposed portion of the rubber insulation with Nitrogen testing (totally sealed - in case of proposed machine). It shall be in total clamping manner above false ceiling & in total concealed manner below false ceiling level. From the structural ceiling it should hanged or shall be fixed on wall / beam etc. with clamps & the distance between two clamp shall be less than 1 meter. It shall not be placed over the false ceiling nor it shall be fixed with false ceiling members. The diameter / gauge of the ref. pipe shall be as per the specifications of the Manufacturing company (OEM) only for each type of machine. The above item include the cost of 3 core copper flexible electrical cable as recommended by OEM	100.00	RM	720.00	72000.00

8.2	SITC OF REFRIGERANT COPPER PIPE:- Supply,installation,testing and commissioning of suitable size Refrigerant copper pipe suitable for Hi wall split ACs (both for Liquid & suction line) with hard drawn copper pipe and duly insulated with 6mm thick thermo foam with suitable size MS/ PVC saddles on the surface of the wall or suspension hooks from the ceiling, as required at site including suitable protective taping so that the insulation will not be damaged. Please note that 3.0 meter refrigerant copper pipe of one circuit(both suction and liquid line) per machine will not be measured as per item no a & b as above.	84.00	RM	712.00	59808.00
8.3	SITC OF PVC DRAIN PIPE:- Supply,installation of PVC drain pipe of (25 mm minimum) suitable size to effectively drain out the water from the air conditioning unit. Please note that the drain pipe should be properly fixed with necessary slope so that water will be discharged perfectly without any blocking.				
a	25 mm diameter	105.00	RM	100.00	10500.00
8.4	SITC OF INDUSTRIAL SOCKET OUTLET FOR AC INCOMING AT INDIVIDUAL POINT:- Supply and fixing of 20 AMP,240 volt ,SPN industrial type socket outlet with 2 pole and earth ,metal enclosed plug top along with 20 AMP c curve sp MCB in sheet steel enclosure on surface or recess with chained metal cover for socket outlet and complete with connections testing and commissioning as required.	17.00	Each	1080.00	18360.00
CARRYOVER TO SUMMARY					1005668.00

SUMMARY

SL. NO.	DESCRIPTION	AMOUNT (INR)
1.00	CIVIL, FLOORING & FINISHING WORK:	953058.00
2.00	INTERIOR WORKS	1637097.35
3.00	MODULAR FURNITURE	955102.40
4.00	SUPPLY OF CHAIRS	632301.60
5.00	INTERNAL ELECTRICAL WORK	896241.00
6.00	FIRE ALARM SYSTEM	61746.00
7.00	DATA CABLING WORK	115373.00
8.00	AIR CONDITIONING WORK	1005680.00
	TOTAL	6256599.35
	Say	6256597.00

896243.00
61746.00
115385.00
1005668.00
2079042.00