

LIFE INSURANCE CORPORATION OF INDIA, DY. CHIEF ENGINEER'S OFFICE BHUBANESWAR					
TENDER NO: LIC/BBSR/Engg -41/2022-23			Date :02.12.2022		
NAME OF WORK:- SUB: PROPOSED MODERNIZATION OF BRANCH OFFICE BUILDING AT BHAWANIPATNA UNDER DIVISIONAL OFFICE BERHAMPUR.					
ESTIMATE---SCHEDULE OF QUANTITIES ( BID-III )					
Item No.	Description of work	Qty.	Unit	Rate in figure (Rs.)	Amount (Rs.)
	CIVIL WORKS (PART-I)				
1	CIVIL , FLOORING & FINISHING WORK:				
1.01	Providing and laying double charged 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. or cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477complete with required thickness. - Size of Tile 600 mm x 600 mm, 600mmx1200mm /800 mm x 800 mm (Basic Rate of Tiles <b>Rs.645.00 per Sqm</b> ).	650.00	sq. m	1540	1001000.00
1.02	Providing and laying Vitrified tiles minimum 8 mm thick with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade <b>in skirting</b> over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with gray 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).	50.00	sq. m	1350	67500.00
1.03	Providing and fixing 16 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut at <b>Flooring , platforms, vanity counters, window sills, door frame, facias and similar locations of required size</b> , 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 <b>-Area of slab over 0.50 sqm</b> (basic rate Rs.1800.00 per Sqm)	5.00	sq. m	3599.00	17995.00
1.04	Extra for pre finished nosing to treads of steps	5.00	R.M	546	2730.00
1.05	Granite 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. 10 mm thick mirror polished of any colour and shade.	1.00	sq. m	1800	1800
1.06	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)- Inside Wall	50.00	sq. m	271	13550.00
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	118	47200.00
1.09	Providing & applying Painting with 2 or more coats acrylic emulsion paint over a coat of primer & surface preparation etc of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.	750.00	sq. m	102	76500.00
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	54	4320
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	123	9840.00
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 / old work including surface preparation.	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	360	7200
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) .	10.00	Cum	1289	12,890.00
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.	1.00	Cu.m	6781	6781.00
1.17	Half brick work with fly ash bricks in cement sand mortar 1:4	30.00	Sq.m	750	22500.00
1.18	Providing and fixing 5 mm thick glass with necessary teak wood beading etc. complete	20.00	Sq.m	750	15000.00
1.19	Removal of existing ceramic/mosaic tiles from floor including the bed mortar including disposal of all debris from worksite.	650.00	sq.m	10	6500.00
1.20	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 <b>priming coat</b> of approved steel primer.	8.00	sq.m	8652	69216
	CARRYOVER TO SUMMARY				1395247.00

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 suprafine15 mm Hot Dipped Galvanized Steel Suspension system Zinc Coated having Rotary Stitched. All as per manufacturers' specification.	25.00	Sqm	1075.00	26875
	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 x15 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.	750.00	Sqm	1005.00	753750.00
	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, .....	100.00	Sq.M	1860	186000.00
	.....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 )				0

2.05	Providing & Fixing of Full Height partitions upto ceiling height consisting of G.I. frame and required <b>9mm thick Fire Retardant plywood confirming to IS 5509</b> , 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 ,.....	10.00	Sq.M	4091	40910
	.....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 ceilling for better rigity ( Rate to be include that )				
2.06	Providing & Fixing of Full Height (Partly glazed & partly paneled) partitions upto ceiling height consisting of G.I. frame and required <b>9mm thick Fire Retardant plywood confirming to IS 5509</b> , 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 , .....	50.00	Sq.m	4143	207150.00
	.....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 ceilling for better rigidity ( Rate to be include that )				
2.07	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.	80.00	Sq.m	1900	152000.00
	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.				

	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 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.				
	<b>WOOD WORK :</b>				
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	108052.00	54026.00
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	133550.00	66775.00
	<b>DOORS</b>				
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	4465	44650.00
2.11	Providing and fixing ISI marked Partly glazed door shutters confirming 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 finised with <b>both sides 1mm thick high pressured laminates</b> 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	2197	21970.00
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	50.00	sq.m	897	44850.00
	<b>STORAGE UNITS :</b>				
2.16	<b>FULL HEIGHT STORAGE UNIT</b> : Providing & fixing 450mm deep and <b>2100mm</b> approx ht. storage unit as per following:	20.00	Sqm	9415	188300.00
	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)				
	<b>Low Height Storage Units :</b>				

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.	60.00	Sqm	9415	564900.00
2.19	P/F powder coated aluminium Deco grill of opening size 50x50mm approx fixed with liquer polish 32x32mm TW moulding.	1.00	Sqm	2200	2200.00
2.20	<b>RUNNING TABLES FOR IT ROOM:</b>				
a)	Providing & making Computer table of size 600 (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.	5.00	R.M	8526	42630
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	3100	46500.00
2.22	Providing & making glass itching of approved design as directed	10.00	Sqm	554	5540.00
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	730	7300.00
b	9 mm thick	10.00	Sqm	1074	10740
c	12 mm thick	10.00	Sqm	1341	13410
d	19 mm thick	20.00	Sqm	1793	35860.00
	<b>TW MOULDINGS :</b>				
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	78	3900.00
b	25 x 25 mm	20.00	R.M	83	1660
c	25 x 12 mm	20.00	R.M	70	1400.00
	<b>PIN-UP BOARD:</b>				
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	2150	17200.00
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)	80.00	Sqm	1400	112000
2.27	Column clading/wall panelling with 38 mm x 25 mm salwood framework @ 450 mm interval both horizontally and vertically , covering with 6 mm thick fire resistant plywood and exposed surface finished with 1 mm thick FSC laminates of approved shade and colour.	60.00	Sq.m	3965	237900



2.28	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
2.29	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
	<b>CARRYOVER TO SUMMARY</b>				<b>2713986.00</b>
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.				
	<b>SUPPLYING AND FIXING FACTORY MADE FREE STANDING TABLE AND SIDE CREDENZA</b>				
3.01	Providing & placing free standing table for Branch Manager (consisting top, sides & front apron) of overall size 1800x900x750 mm complete consisting of the followings	1.00	Each	7200	7200.00
	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 approvedshade.				
3.02	---Do--- as above of item no. 3.01 but table for AO/AAO (consisting top, sides & front apron) of overall size <b>1500x750x750</b> mm. ( height )	16.00	Each	6300	100800.00
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 <b>1350x600x750</b> mm.	30.00	Each	4950	148500.00
3.04	---Do--- as above of item no. 3.01 table for Development Officer(consisting top, sides & front apron) of overall size <b>1350x600x750</b> mm but without circular stilt and ABS Cover	7.00	Each	4950	34650.00
3.05	---Do--- as above of item no. 3.01 table for Record Clark overall size 1200x600x750 mm	5.00	Each	3600	18000.00
3.06	---Do--- as above of item no. 3.01 <b>table</b> for Sub Staff of Size <b>900x500x750</b> mm,	4.00	Each	3600	14400.00
3.07	---Do--- as above of item no. 3.01 <b>but size 900x600x750 mm (For Computer Table of Development Officer)</b>	1.00	Each	4200	4200.00
	<b>SIDE CREDENZA :</b>				
3.08	Providing and fixing of Side unit cum printer table of Sizes 900x450x722 mm, top made with 25 mm thick particle board with front edge in half round post formed moulding, caracas/shelf made out of 18 mm thick pre laminated particle board of interior grade, shutter made of 18 mm thick prelaminated particle board, interior grade with sliding channel with double ball bearing for smooth function, skirting 50 mm high of 18 mm prelaminated board. The locks shall be provided with push button lockswith hinge keys in two sets.	22.00	Each	4200	92400.00
3.09	Same as Item 3.08 but of overall size 1200 mm long, 450 mm wide and 722 mm ht.	2.00	Each	5400	10800.00
	<b>PARTITIONS :</b>				
	<b>PEDESTAL DRAWER UNIT &amp; ACCESSORIES :</b>				
3.12	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.	50.00	Each	5135	256750
	<b>Pedestal Drawer unit : Size 450mm X 515 mm X 725 mm height.</b>				
	Carcass : Made out of 0.8mm thick M.S. sheet, treated with 7 tank Galvanished 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 Galvanished 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 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.				
	The unit shall have 1 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.	4.00	Each	4908	19632.00
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.	50.00	Each	962	48100.00

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.	44.00	Each	503	22132.00
	<b>CARRYOVER TO SUMMARY</b>				<b>777564.00</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>	2.00	Each	5288	10576.00
	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. 15.01 above but for <b>medium back</b> cushioned chairs but having following sizes : <b>(For AO / AAO / HGA / Asst / RC/ DO &amp; others )</b>	53.00	Each	4327	229331
	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>	90.00	Each	3365	302850
	<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)	3 Seater	1.00	Each	4327	4327
b)	2 Seater	1.00	Each	3654	3654.00
4.06	Supplying Centre table made of teak wood and 10mm glass top with melamine polish finish of following sizes as per approved drawing & as directed( Three Seater )	1.00	Each	5769	5769
	Over all size 1200X 500X450 MM				
	CARRYOVER TO SUMMARY				556507.00
SUMMARY					
SL. NO.	DESCRIPTION				AMOUNT ( INR )
1.00	CIVIL, FLOORING & FINISHING WORK:				1395247.00
2.00	INTERIOR WORKS				2713986.00
3.00	MODULAR FURNITURE				777564.00
4.00	SUPPLY OF CHAIRS				556507.00
	CIVIL WORKS (PART-I)				5443304.00



Item No.	Description of work	Qty.	Unit	Rate in figure (Rs.)	Amount (Rs.)
	<b>ELECTRICAL WORKS(PART-II)</b>				
<b>1</b>	<b>TELEPHONE NETWORK</b>				
1.01	Supply and laying of 2 pair 0.5 sq.mm dia, FRLS PVC insulated annealed copper conductor unarmoured telephone cable in the existing surface/recessed steel/FRLS PVC Conduit as required in the floor, partition / wall etc.	100	Rm	33	3300.00
1.02	Supply & installation of following pair MDF BOX with required pair KRONE with lock & key arrangement fabricated from the MS sheet with powder coat to be fixed in concealed manner including making good the damages.				0.00
a	10 pair	3	No	387	1161.00
1.03	Supply and fixing of Telephone box suitable for RJ 11 terminals including mounting box and top cover, to be fixed in concealed manner in partition by providing & fixing on channels with necessary bolts & nuts Or as directed at site.	2	No.	310	620.00
1.04	Same as above but dual type.	1	No.	345	345.00
1.05	Supply and laying of 2 pair 0.5 sq.mm dia, FRLS PVC insulated annealed copper conductor unarmoured telephone cable in the suitable FRLS PVC Conduit as required at site alongwith supply & fixing of RJ-11 Terminal ,Mounting box,Top Cover,face plate etc & carrying out necessary saddling & fixing the same & tagging as required & as advised by engineer-in charge in the floor, partition / wall etc.				0.00
(a)	Single Jack.	17	Pts.	335	5695.00
(b)	Double Jack.	1	Pt.	347	347.00
	SUB-TOTAL (TELEPHONE NETWORK )				<b>11468.00</b>
<b>2</b>	<b>DATA NETWORK</b>				
2.01	Supply and fixing of information out let box suitable for RJ 45 terminals including mounting box (MS / PVC) and top cover, to be fixed in concealed manner in partition by necessary bolts & nuts. Or as directed at site ('D' Link make)	5	No	466	2330.00
2.02	Same as above but dual type	0	No	0	0.00
2.03	Supply & installation of 24 port, 19 inch PATCH PANNEL suitable for rack mounting (D Link make)	1	No	3883	3883.00
2.04	Installation& commissioning of managed Data Switches suitable for rack mounting <b>supplied by LICI.</b>	3	No	705	2115.00
2.05	Supply and laying of ECAT 6 UTP Cable for the data circuit through the FRLS PVC conduit.Rate to include termination on either end or as directed. ('D' Link make)	300	RM	35	700.00
2.06	Supply of 2mtr long (cat-6 )factory made PATCH CORD Original ( <b>Locally made patch cords shall not be accepted</b> ) ('D' Link make)	20	No	270	5400.00
2.07	Supply of 1 mtr long( cat-6) factory made PATCH CORD Original ( <b>Locally made patch cords shall not be accepted</b> ) ('D' Link make)	20	No	252	5040.00
2.08	Supply and Installation of 19", 12U (WALL MOUNTING TYPE) MODEM RACK with following accessories.				0.00
	1. 230 V, AC Distribution box with 6 nos of 5 A socket out lets – 1 No.				0.00
	2. Cable manager – 2 Nos				0.00
	3. Cantilever shelf – 2 Nos				0.00
	4. Single fan module – 1 set				0.00
	5. Mounting kit – 1 Packet	1	Set	8329	8329.00
2.09	Dismantling & re-installation with grouting etc of 12 U/ 9U /6U Rack as directed including making good the damages.	2	Set	846	1692.00
2.10	<b>S/L OF DATA POINT:-</b> Supply and laying of E CAT 6 data cable and RJ-45 terminal along with top box and face plate all in modular in suitable Medium Class PVC FRLS conduit / race way as the case may be laid earlier in partition / wall etc as required at site and carrying out the necessary saddling and fixing and tagging as required and as advised by engineer in charge.				
a	<b>Single Jack</b>	47		<b>1342.00</b>	63074.00
b	<b>Double Jack</b>	3		<b>1426.00</b>	4278.00
2.11	Charges for Testing & Commissioning of the structured cabling system including dismantling of existing Patchcords ( 1 mtr & 2 mtr ) & refixing the same patch cords as directed.	50	Pt.	59	2950.00
	SUB-TOTAL ( DATA NETWORKING )				<b>99791.00</b>
<b>3</b>	<b>UPS POINT WIRING ALONG WITH ITS ANCILLARIES</b>				
3.01	<b>PRIMARY UPS POINT:-</b> Supply & Installation of a <b>primary UPS point</b> consisting and supplying of a set of 3 No 10 Amps. 5 Pin modular multi socket & 3 No of 10 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 FRLS flexible cables in rigid FRLS PVC conduit pipe ( Medium classe) of suitable size/ PVC cable tray as required . ( <b>for UPS power on work stations &amp; tables</b> )	10	Pt.	2430	24300.00
					0.00

3.02	<b>SECONDARY UPS LOOPING POINT:-</b> Supply & Installation of <b>secondary UPS looping point</b> consisting and supplying of of a set of 3 No 10 Amps. 5 Pin modular multi socket & 3 No of 10 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 FRLS flexible cables and rigid FRLS PVC conduit pipe ( medium class) of suitable size . This secondary point has to be looped from the Primary point as per item no.3.10 ( <i>for UPS power on work stations &amp; tables</i> )	40	Pt.	1814	72560.00
3.03	<b>POWER POINT:-</b> Supply & Installation of a power point consisting and supplying of a set of 1 No 20 Amps snap switch and 3 nos 20 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 FRLS flexible cables and rigid FRLS PVC conduit pipe (heavy gauge) of suitable size as per requirement. ( <i>for UPS power TO MODEM RACK,CURRENCY COUNTING MACHINES etc</i> )	6	No	1943	9715.00
3.04	<b>POWER POINT:-</b> Supply & Installation of a point consisting and supplying of a set of 1 No 20 Amps snap switch and 1 nos 20 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 FRLS flexible cables and rigid FRLS PVC conduit pipe (heavy gauge) of suitable size .	5	Pt.	1772	8860.00
	<b>SUB-TOTAL ( UPS POINT WIRING ALONG WITH ITS ANCILLARIES)</b>				<b>115435.00</b>
<b>4</b>	<b>CONDUIT &amp; RACEWAYS</b>				
4.01	Supply and laying of following size rigid PVC conduit pipe (Medium Class) through floor / wall / partition with GI spacer clamps including all accessories – bends, sockets T's etc. or as directed. Rate to include for cutting of walls/Floors including making good the damages i.e for filling and finishing the same with cement mortar.				
(a)	32mm dia	40	Rm	161	6440.00
(b)	25 mm dia	40	Rm	127	5080.00
(c)	20mm dia	50	Rm	112	5600.00
4.02	Supply & Fixing of following size PVC casing & Capping on the surface of wall / partition, including accessories				0.00
	(a) 20 x 12mm	15	Rm	28.00	420.00
	(b) 25 x 12mm	15	Rm	33.00	495.00
	(c) 32 x 12mm	15	Rm	42.00	630.00
4.03	Supplying & fixing of following size MS Junction box (16SWG) with <b>STAINLESS STEEL</b> plate cover shall be provided flush with the floor / floor tiles or as directed. Rate top include for cutting the floor and making good the damages.				0.00
(a)	250 x 200 x 50mm	10	No	610	6100.00
(b)	200 x 150 x 50mm	10	No	493	4930.00
(c)	150 x 100 x 50 mm	15	No	434	6510.00
(d)	100 x 100 x 50 mm	15	No	329	4935.00
4.04	Supply & laying of 100mm × 100mm size PVC cable tray on the surface of the wall.	10	Rm	164	1640.00
4.05	Doing Ceramic / tile floor / wall cutting to lay and conceal the cables/ conduits as directed. Rate to include for filling and finishing the same with cement mortar.				
( a )	1.5" width cutting	30	RM	100	3000.00
( b )	2.5" width cutting	15	RM	140	2100.00
( c )	3" width cutting	10	RM	160	1600.00
4.06	Supply & laying of ¾ " size PVC flexible conduit	100	Rm	25	2500.00
4.07	<b>SITC OF RACE WAY:-</b> 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.				0.00
(a)	<b>100x30x1.6 mm</b>	15	RM	325	4875.00
4.08	<b>SITC of Cu. Wire ;--Supply &amp; drawing of following size FRLS insulated copper conductor single core cable in the existing surface/recess steel/FR PVC Conduit as required.</b>				0.00
(a)	<b>3x1.5 sqmm</b>	30	RM	83	2490.00
( b )	<b>3x2.5 sqmm</b>	20	RM	120	2400.00
( c )	<b>3x4 sqmm</b>	20	RM	181	3620.00
	<b>SUB-TOTAL ( CONDUIT &amp; RACEWAYS )</b>				65365.00
<b>5</b>	<b>FITTINGS &amp; FIXTURES</b>				

	N.B :--supply & laying 3 core 1.5 sq.mm pvc insulated & pvc sheathed multi core copper conductor,round flexible cable as lead wire for light fittings from the existing ceiling roses to Light fittings for below mentioned item no-5.01 which is inclusive of cost of fittings.				
5.01	<b>36 WATT LED 2 X 2 FT FITTINGS</b> :-Supply,installation,testing and commissioning of LED recessed fittings Of 36 watt( 3600 Lumens or more) system power suitable for 2 x 2 tile of armstrong/grid/pop ceiling with stainless steel chain to support ceiling complete with separate electronic driver . The fitting will provide glare free illumination with longer life and less maintenance. <b>The model number of PHILIPS make( Model No-RC 380B LED 36S -6500 G6 L60 W60 PSU OD ) or its equivalent make in CROMPTON and WIPRO etc.</b>	29	No	<b>2422.00</b>	70238.00
	<b>The samples are to be got approved by LIC before installaing the same.</b>				
	N.B :--supply & laying 3 core 1 sq.mm pvc insulated & pvc sheathed multi core copper conductor,round flexible cable as lead wire for light fittings from the existing ceiling roses to Light fittings for below mentioned item no-5.02 which is inclusive of cost of fittings.				0.00
5.02	<b>LED down lighter</b> :-Supply,installation,testing and commissioning of LED round recessed down ligher of 12 to 15 Watt ( 1200 Lumen or more )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 PHILIPS make( Model No-DN 172 12.5 S LED DL G2( CDL ) or its equivalent make in CROMPTON and WIPRO etc.	80	No	804	64320.00
	<b>The samples are to be got approved by LIC before installaing the same.</b>				
5.03	Supply & Installation of 400mm sweep wall mounted fans(Oscillation type) of with metal blade on the wall / column by suitable size steel expansion fastener with pull cord for speed regulation & all necessary accessories.	30	No	3200	96000.00
5.04	Supply & installation of decorative basin light LED fittings of 5 Watt( Slimeline) with all necessary connections.(on the wash basins )	7	No	625	4375.00
5.05	Supply & installation of decorative false ceiling down LED fittings of 5 watt or more with all necessary connections with 2 core 1.0 sqmm round copper cable	20	No.	430	8600.00
5.06	Supply,erection,testing & commissioning of 4 ft 22 Watt to 28 Watt LED light fitting with Round Blocks & necessary connections etc. The model number of PHILIPS make( Model No-BN021 LED 22S PSU CW GR ) or its equivalent make in CROMPTON and WIPRO etc	15	No	1201	18015.00
5.07	SITC of LED Running Strip Light :--Supply & laying of LED STRIP running light for INDIRECT Lighting ( Crompton or equivalent make )				0.00
( a )	5 mtr length	4	Nos	1536	6144.00
( b )	20 mtr length	1	Nos	7054	7054.00
5.08	Supply & installation of 225 mm Exhaust Fan(Heavy duty) on the existing circular openings with Aluminium louvers and all necessary connections etc.	5	No	2406	12030.00
5.09	Supply, erection,testing,and commissioning of 1200mm( 48") sweep brown colour ceiling fan with condenser, double ball bearing,300 mm down rod,canopies,sackles etc but without speed regulator, suitable for operation with 230/240 volt, 50 Hz AC supply of approved make including all connections complete in all respect.	4	No	1610	6440.00
	<b>SUB-TOTAL (FITTINGS &amp; FIXTURES)</b>				344144.00
<b>6</b>	<b>FIRE ALARM SYSTEM</b>				0.00
	<b>N.B:--Prior to commencement of work the Firm is required to prepare the Lay-out for the Fire Alarm System as per the Modernization drawing and submit to LIC for approval.</b>				0.00
6.01	Supply, erection, jointing, testing and commissioning of Optical type Detector complete with base having blinking facility.	55	No	1011	55605.00
6.02	Supply, erection, jointing, testing and commissioning of Heat Detector	3	No	939	2817.00
6.03	Supply, erection, jointing, testing and commissioning of LED Indication type response indicator.	25	No	172	4300.00
6.04	Supply, erection, jointing, testing and commissioning of electronic type hooter cum warning lamp	3	No	488	1464.00
6.05	Supply, erection, jointing, testing and commissioning of Manual Call point.	4	No	416	1664.00
6.06	<b>SITC OF FIRE ALARM PANNEL</b> :-Supply,installation,testing and commissioning of Sector panel suitable for following zones, complete with visual indications for short cicuit fault,fire condition & all other standard facilities as per IS:2189 with mimic diagram for all area/zone covered complate with all connections,interconnections as required. ( 4 zone)	1	No	10678	10678.00
6.07	Supply and doing wiring with 2 core 1.5 Sqmm PVC insulated armoured Copper cable – with necessary saddles with spacers, to be installed on surface of wall or ceiling. Rate is inclusive of chase cutting & concealing as directed at site (measurement of the cable is to be ensured prior to erection of false ceiling).	550	Rm	152	83600.00
	<b>SUB-TOTAL (FIRE ALARM SYSTEM )</b>				160128.00
<b>7</b>	<b>LT PANEL &amp; ELECTRICAL INSTALLATION WORKS</b>				
	<b>ELECTRICAL CUBICLE PANNEL FOR AC</b>				
	All interconnections & connection between switch gears shall be adequate capacity PVC insulated flexible copper conductor wires by socketing methods.The incoming & outgoing connections of the MCCBs of capacity 320 Amps & above are to be made by providing suitable size copper flats as extension to the spreader links of the MCCB.All MCCBs are to be of Thermal Magnetic Release type.				

7.01	Supply , installation,testing & commissioning of Cubicle Panel board made out of 16 gauge CRCA sheet steel enclosure, floor mounting type / wall mounting type of suitable size, duly painted with two coat of grey enamel paint over a coat of primer. Consisting of compartments, for switches, bus bars etc. with slotted hinged doors, din rails, copper earth strip cable entry box, gland plate at top and bottom, inter – connections by means of suitable size, 1100v grade PVC insulated copper conductors using lugs, bolts, nuts, etc., complete and consisting of the following : The panel board should be suitably designed for formation of Incoming Cables, out going cables, wires etc., with suitable cable chamber box etc. <b>The incoming &amp; out going connections of the MCCBs of capacity 320Amps &amp; above are to be made by providing suitable size copper flats as extension to the spreader links of the MCCBs. All MCCBs are to be of Thermal Magnetic Release type. All inter connection , out going connection are to be properly socketed by crimping method .(DRAWING &amp; PANNEL SHOULD BE GOT APPROVED BY LIC PRIOR TO FABRICATION.)</b> The panel board should consist of the following of the followings :-				
(a)	250 Amp,36kA,FP,MCCB :- 1 No ( as incomer)				
	Bus bars of size 50mm x 6mm of 1000 mm length (4 nos tinned copper flats) fixed on porcelain insulators and duly colour coded for three phases and neutral – 1 set.				
(b)	Out goings				
	160 Amp,36kA,FP,MCCB:- 1 no				
	63 Amps,FP MCCB,25kA:- 7 Nos				
	32 Amp DP MCB-03 Nos.				
	63 Amp 415 V F.P MCCB ,25kA-1 No (For Capacitor Bank )				
( c )	The cubicle should be provided with a Digital voltmeter (0- 500V) and ammeter (0-200A) with phase suitable selector switch and suitable capacity CT-1 No & heavy-duty LED indicator lamps set for the phases(R ,Y,B ) for State Board supply	1	Set	122867	122867.00
7.02	Display of final duly laminated electrical line diagrams of individual BO building in meter rooms with supply & fixing on hard board & a frame of suitable size A-2 including supplying extra two – two copies each to LIC.	1 Job.		3500	3500.00
7.03	supply & fixing of following size XLPE insulated aluminium conductotr armoured cable 1100 volt grade along with 2 runs of GI wire as earth wire as mentioned against each item on the surface of the wall or underground as the case may be with the help of GI saddles on the surface of the wall or ceiling with spacers including termination on either end with required size of aluminium sockets .Rate is inclusive of suitable size cable glands etc.				
( a )	3.5 Core 120 sq mm.+ 2 x 12 SWG, GI wire as continuous earth from Sub-station Feeder Panel to AC Panel.	50	RM	1091	54550.00
( b )	3.5 Core 70 sq mm.+ 2 x 12 SWG, GI wire as continuous earth from AC Panel to Light Panel.	15.0	Rm	726	10890.00
( c )	3.5 Core 35 sq mm.+ 2 x 12 SWG, GI wire as continuous earth.	20.0	Rm	449	8980.00
( d )	3.5 Core 25 sq mm.+ 2 x 12 SWG, GI wire as continuous earth.	20.0	RM	390	7800.00
7.04	Laying of one number PVC insulated & PVC Sheathed /XLPE power cable of 1.1 KV grade of following size direct in ground including excavation ,sand cushioning,protective covering by Brick three side & refill the trench etc as directed. (Above 95 sqmm & upto 185 sqmm )	40	RM	370	14800
7.05	supply & laying of following size XLPE insulated Copper conductotr armoured cable 1100 volt grade along with 2 runs of HDBC wire as earth wire as mentioned against each item on the surface of the wall or underground as the case may be with the help of GI saddles on the surface of the wall or ceiling with spacers including termination on either end with required size of aluminium sockets .Rate is inclusive of suitable size cable glands.				0.00
( a )	4 Core 10 sq mm.Cu.+2 Run of 14 SWG HDBC wire ( For AC TP DB )	90.0	Rm	880.0	79200.00
7.06	Supplying and fixing of following way, single pole and neutral, sheet steel, company made MCB distribution board, 240 volts, on surface/ recess/Concealed( as directed), 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)	8 way, Double door .	2	Set	2030	2030.00
( b )	12 way, Double door .	2	Set	2256	4512.00
7.07	Supplying and fixing of following ways horizontal type surface/ recess mounting, 415 volts, company made TPN MCB distribution board , 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	1	Set	3587	3587.00
7.08	Supplying and fixing of following ways VERTICAL type surface/ recess mounting/Concealed, 415 volts, company made TPN MCB distribution board of sheet steel,dust protected,duly power painted, inclusive of 200 Amp tinned copper BUS BAR, Common neutral link, earth bar,din bar , interconnections, powder painted including earthing etc. for mounting MCBs(but without MCBs & Incomer) as required.Note : Vertical type MCB TP DB is normally used where three phase outlets are required )				
( a )	4 way (4 + 12), Double door	2	Set	6587	13174.00
7.09	Supplying and fixing 5 amps to 32 amps rating, 240 / 415 volts, "C" curve, 10KA miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	Single pole	10	No	224	2240.00
b	Double pole	10	No	575	5750.00
c	Triple pole and neutral	2	Nos	1077	2154.00
7.10	Supply & installation of following capacity MCB along with factory made enclosure of same make with the follwing configuration:				0.00
(a)	63 Amp FP MCB	7	Set	4409	30863.00
(b)	32 Amp DP MCB	3	Set	3667	11001.00
7.11	Supply & Installation of MS Box in concealed manner with inner cover & face plate of the same make of that switches suitable for modular switches on walls / partitions or as directed at site after dismantling the existing switch boards from the existing locations or as directed for the followings :--				0.00
( a )	3 Module	2	No	287	574.00
(b)	4 Module	2	No	300	600.00
( c )	6 Module	2	No	352	704.00
7.12	Supplying & fixing following Modular base & cover plate on existing Modular Metal boxes etc. as required.				
( a )	1 or 2 Module	2	Each	117	234.00

(b )	3 Module	4	Each	132	528.00
(c )	4 Modul;e	4	Each	139	556.00
(d )	6 Module	6	Each	160	960.00
(e )	8 Module	10	Each	185	1850.00
(f )	12 Module	7	Each	238	1666.00
7.13	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
(a)	5/6 amps switch	90	Each	90	8100.00
(b )	2 Way 5/6 Amp Switch.	6	Each	130	780.00
( c )	15/16 amp switch	35	Each	137	4795.00
(d )	3 pin 5/6A socket outlet	4	Each	107	428.00
(e )	6 pin 15/16 amp socket outlet	4	Each	173	692.00
(f )	Bell push	1	Each	123	123.00
					0.00
7.14	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	20	Each	35	700.00
7.15	Supplying and fixing <b>stepped type electronic (2 Module) fan regulator</b> on the existing modular plate switch box including connections but excluding modular plate etc. as required.	5	Each	324	1620.00
7.16	Supplying & fixing of Brass Batten/Angle holder including connection etc.	4	Each	96	384.00
7.17	Wiring for group controlled(Looped light) without independent switch with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit & earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc. as required.	4	Pt.	569	2276.00
7.18	Supplying & fixing suitable size GI Box with Modular plate & cover on surface or recess including providing & fixing 25 Amp Modular Socket outlet & 25 Amp Modular SP MCB C Curve including connections painting etc. as required.(For 1.5 Tr AC)	3	Each	637	1911.00
7.19	Supplying & fixing of Call bell/buzzer suitable for single phase 230V Complete as required.	1	Each.	87	87.00
7.20	Supplying & fixing 3 pin 5 Amp ceiling rose on the existing junction box/wooden block including connections etc. as required.	7	Each.	76	532.00
7.21	Dismantling of existing ceiling fans and handing over to LICl with proper acknowledgement. (Ceiling fans to be dismantled as directed)	40	No	70	2800.00
7.22	Dismantling of existing exhaust fans and handing over to LICl with proper acknowledgement.	5	No	50	250.00
7.23	Dismantling of fluorescent tube light fittings with down rods & tubes as directed at site or handing over to LICl with proper acknowledgement. .	60	No	40	2400.00
7.24	Replacement of following switch fuse units & Chage over after dismantling the defective units including all connections (open execution type with HRC fuses for SFU) of existing LT Cubicle Panel				0.00
a)	100 Amp.Four Pole 415 Volt Change Over Switch	1	No	5253	5253.00
b)	63 Amp. TPN SFU	2	No	4080	8160.00
c)	32 Amp. TPN SFU	3	No	2670	8010.00
7.25	<b>SUB MAIN WIRING</b>				
	Wiring for submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class FRLS conduit as required				
	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	30.0	RM	810	24300.00
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	50.0	RM	516	25800.00
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	70.0	RM	375	26250.00
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	50.0	RM	324	16200.00
	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	100.0	RM	287	28700.00
	<b>POINT WIRING</b>				0.00
7.26	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 2X 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class FRLS conduit, with modular switch, modular plate, suitable G.I. box and earthing the point with 1.5 sq.mm. FRLS PVC insualted copper conductor single core cable etc. as required. Rate include cost of switch, plate etc. and circuit wiring with 3 x 2.5 Sqmm FRLS wire in suitable medium guage FRLS PVC conduit from DB to switch board/ switch board to switch board.	35.0	Pt.	890	31150.00
7.27	Providing plug point on switch board including supplying & fixing of 10 Amp, 5 pin modular socket and 10 Amp modular switch of Anchor Roma or its equivalent make as per tender specifications including all connections.	5	No	294	1470.00
7.28	Supply and fixing of 12 watt LED Lamp of approved make.	10	No	170	1700.00
7.29	Supply & fixing of call bell of approved make including connections.	1	No	120	120.00
7.30	Wiring for Wall Fan plug point 2x1.5 sqmm copper wire including Modular Type 5 pin 5 Amps socket & 5 Amp Switch all mounted in same Modular box.MS Box covered with switch plate,face plate including earthing 3 rd pin with 1.5 sqmm pvc insulated copper wire, PVC Conduit etc as required..(For wall fans )	35	Pt.	690	24150.00
	<b>EARTH STATION (COPPER)</b>				0.00
7.31	Supply and installation of earth station with copper plate of size 600 × 600 × 3 mm bolted by means of G.I. bolts and nuts with 2.7 mtr. Long 15 mm dia G.I. pipe, B-Class with 2 runs of 8 SWG bare copper conductor from the plate upto the top of the electrode. The copper plate is to be buried 2.5 mtr. Below the G.L. & 4.5 mtr. Away from the building. Foundation as per I.S. – 3043 – 1987 code of practice or its latest version including provision for watering arrangement through 20 mm dia B-Class G.I. pipe and G.I. funnel, masonry chamber with concrete cover and lifting arrangement (including Charcoal /coke & salt as required.)	1	Set	12133	12133.00
7.32	Providing & laying earth connection from earth electrode with 4.0 mm dia copper wire in 15mm dia GI Ppie from earth electrode including connection with copper thimble excavation & re-filling as required.	35.0	RM	324	11340.00
	<b>EARTH STATIONS(GI)</b>				0.00



7.33	Supply & Installation of earth electrode made of 40 mm dia. B-class G.I. pipe of 4.5 meter long as per IS-3043 – 1987 code of practice & its latest version with brick masonry chamber, concrete slab cover of 50 mm thick with lifting arrangement, including providing charcoal & salt in alternate layer, GI funnel for watering, clamping arrangement with bolts & nuts at the top of GI pipe electrode for connecting the earth wires as per the sketch enclosed	1	Sets	6010	6010.00
7.34	Supply & fixing of Cu. Earth Busbar of size 25 mm x 3 mm x 250 mm including connection etc.	3	No	320	960.00
7.35	Supplying & laying of 6 SWG G.I wire at 0.50 meter below ground level for conductor earth electrode including connection/termination with GI thimble etc. as required.	40	RM	45	1800.00
7.36	SITC of S- Type Fan Hook :--Supplying & fixing of "S-" Type Fan Hook 12 mm dia M.S Rod.The fan Hook shall be fixed to the R.C.C Ceiling & plastered to the original finish.	3	Each	240	720.00
7.37	Removing & re-fixing of LT Cables including GI Saddles, Brass Compression Glands, Socketing the Cables connection etc as directed.	70	RM	70	4900.00
7.38	Supply & Fixing of white bakelite sheet including nut screws etc.	1000	sqinch	1	1000.00
7.39	Removing & re-fixing of Three Phase DBS alongwith old MCBs in concealed manner including connection etc as directed.	3	Set	500	1500.00
7.40	Temporary arrangement of LAN /UPS Pts/ Electrical etc. as directed for Functioning of Branch Office during execution period of work.	1	Job.	6000	6000.00
	<b>Sub-Total (LT PANEL &amp; ELECTRICAL INSTALLATION WORKS )</b>				661074.00
<b>8</b>	<b>AIRCONDITIONING SYSTEM</b>				
8.01	Supply of following type air cooled ceiling suspended ductable indoor units with hermetically sealed scroll (Twin circuit ) compressor outdoor units ,copper tube & aluminium finned air cooled condensor ,Evaporating coil Fan,Blower Motor ,etc. complete in all respect & suitable to be operated with 3 phase ,415 volt + 10 % or - 10% power supply in HP & LP controls including motor protection unit with undervoltage ,single phase preventor and scanner for phase sequence ( Make-Hitachi/Voltas/Carrier/Blue star )				
a	<b>8.5 TR DUCTABLE SPLIT UNITS (Twin Circuit)</b>	4	Set	165000	660000.00
b	<b>5.5 TR DUCTABLE SPLIT UNITS(Single Circuit )</b>	1	Set	150000	150000.00
	Installing, testing and commissioning of following capacity of DUCTABLE SPLIT UNITS having Scroll compressors & suitable for operations on 3 phase ,415 volt + 10 % or - 10% with ceiling suspended evaporation units & outdoor type compressor units. The indoor unit shall be suspended on ceiling by means of dash fasteners, 12mm dia. M.S. rods with check nut or making the hook of 12mm dia MS rod for locking with reinforcement of the ceiling & plastered to original finish and canvass connections between evaporating units & plenum/mouthpiece. The out door unit is to be installed on terrace/outdoor with suitable size of M.S frame, its legs grouted by using cement & sand etc or installed on outer wall duly supported with suitable size of MS angle iron frame of balcony type & channel of adequate capacity capable enough to take load of machine and mechanics, including providing anti vibration pads & topping up of latest eco friendly gas( Refrigerant R-410A ) as mentioned in Technical Specifications after Vacuum and pressure testing. N.B : TRAP DOOR--Suitable size TRAP DOOR to be provided to Indoor Units of Ductable split AC with 12 mm/ 19mm BWR Ply wood ,tower bolt, hinges etc openable with three coat of enamel paint as directed.				0.00
(a)	8.5/5.5 TR DUCTABLE UNITS	5	Job	10000	50000.00
8.02	Supply Installation, Testing & commissioning of 1.5 Tr. capacity High wall split Room Air Conditioners having rotary compressor and all accessories consisting of high wall mounting type Indoor unit with remote control and out door unit consisting of compressor, condenser coil, laying of refrigerant pipe up to 3.0 mtr length, condenser fan operating with single phase 230 volt AC supply, protection unit for under voltage, complete in all respect including suitable size Cu.Flexible Round cable for input power supply as well as indoor to out door power cable. Rate should include for initial gas charging/ filling and mounting arrangement for both indoor & outdoor unit including brick masonry works/ suitable bracket etc. <b>(5 Star rated Inverter)(The copper pipe up to 3 meter will not be measured per machine)( Make-Hitachi/Voltas/Carrier/Blue star )</b>	3	Set	39500	118500.00
8.03	Providing & fixing following size of Rigid PVC Drain pipe with all accessories etc. complete on wall/ beam/ ceiling in concealed manner by chasing wall/ floor or on surface including providing of U trap to avoid sweating/ condensation specially on false ceiling up to a height of one meter above the plinth protection.				
a	25mm dia	60	Rm	90	5400.00
b	100mm dia	40	RM	330	13200.00
8.04	Providing & fixing refrigerant Had drawn copper pipe of required size with nitrile rubber/Heatlon insulation for following size of A.C. Units with the help of GI sadling on wall or with suitable hangers from the ceiling as the case may be . <b>(Note:The measurement shall be taken for the refrigerant pipe from ODU to IDU ( both for Liquid &amp; suction line ) shall be considered as one run).</b>				0.00
(a)	8.5/5.5 TR ductable split units	80	RM	1600	128000.00
8.05	Providing & fixing refrigerant copper pipe of required size with nitrile rubber/Heatlon insulation for following size of A.C. Units with the help of GI sadling on wall or with suitable hangers from the ceiling as the case may be . <b>(Note:The measurement shall be taken for the refrigerant pipe including the control cable from ODU to IDU and all the three items (suction,pressure &amp; control cable ) shall be considered as one run).( The measurement will be taken in running meter excluding 3.0 meter length).</b>				0.00
(a)	1.5 Tr highwall split units	15	Rm	580	8700.00
8.06	Design, Fabrication,Supplying,& installing of Galvanised steel sheet (SAIL/ TATA/ JINDAL/ ISPAT) duct including providing M.S. angle support, flanges, hanger rods & making good all damages etc. complete of following Gauge/ size& vibration insulation pad between duct & support.				0.00
a	22 Gauge	52	sqm	890	46280.00
b	24 Gauge	205	sqm	800	164000.00

8.07	Providing & fixing of Accoustic insulation with 12mm thick fibre glass cover insulation, fixed by using shakolite primer, hot bitumen, wire netting or covered with RP tissue paper.	52	sqm	480	24960.00
8.08	Providing & fixing of thermal insulation to the duct with 25mm thick fibre glass covered with polythene face hessian/ aluminium foil from out side. The insulation shall be painted black wherever necessary.	200	sqm	570	114000.00
8.09	Providing & fixing Aluminium powder coated return/ supply air grills without volume control damper.	13	sqm	5900	76700.00
8.10	Providing & fixing Aluminium volume control damper for grills.	5	sqm	5800	29000.00
8.11	Providing & fixing Aluminium powder coated supply air diffuser with alum. volume control damper.	5	sqm	7600	38000.00
8.12	Providing & fixing Aluminium powder coated supply air diffuser without alum. volume control damper.	4	SQM	6600	26400.00
8.13	Dismantling of the existing Window/ split AC from the existing location of the DO and re-installation with bracket etc at proposed location with laying of existing copper pipe line including testing and commissioning.				0.00
a	1.5 Tr Window AC/1.5 Tr.High wall Split	3	Jobs.	1000	3000.00
8.14	SITC of Refrigerant Copper Cable :Supply,installation,testing & commissioning of suitable size copper interconnection cable from indoor to out door unit in suitable size PVC pipe for Ductable Split Acs.	110	RM	180	19800.00
	<b>SUB-TOTAL (AIRCONDITIONING SYSTEM )</b>				1675940.00
	<b>TRADE SUMMARY</b>				
<b>1</b>	<b>TELEPHONE NETWORK</b>				<b>11468.00</b>
<b>2</b>	<b>DATA NETWORKING</b>				<b>99791.00</b>
<b>3</b>	<b>UPS POINT WIRING ALONG WITH ITS ANCILLARIES</b>				<b>115435.00</b>
<b>4</b>	<b>CONDUIT &amp; RACEWAYS</b>				<b>65365.00</b>
<b>5</b>	<b>FITTINGS &amp; FIXTURES</b>				<b>344144.00</b>
<b>6</b>	<b>FIRE ALARM SYSTEM</b>				<b>160128.00</b>
<b>7</b>	<b>LT PANEL &amp; INTERNAL ELECTRICAL INSTALLATION WORKS</b>				661074.00
<b>8</b>	<b>AIRCONDITIONING SYSTEM</b>				1675940.00
	<b>ELECTRICAL WORKS(PART-II)</b>				<b>3133345.00</b>

ESTIMATE--SCHEDULE OF QUANTITIES					
Item No.	Description of work	Qty.	Unit	Rate in figure (Rs.)	Amount (Rs.)
TOILET RENOVATION WORK( PART-III)					
1	15 mm thick cement sand plaster in prop 1:4 to new walls or for patch plaster including taking out the damaged plaster, if any .	90	Sqm	280	25200
2	Removal of tiles including the underbedding mortar from surface either from floor or dado including taking out debris from site	160	Sqm	10	1600
3	Dismantling Cement concrete of any mix and any thickness including disposal of debris from work site.	5	Cum	941	4705
4	Dismantling doors, windows and clerestory window (steel or wood) shutter of any size including chowkhats, achitrave etc complete and stacking as per direction of engineer in charge.	10	Each	200	2000
5	Providing and laying 2 coats flexible water proof coating such as 'Sika Latex Power' or equivalent admixed with Portland cement as per manufactureres specification.	80	Sqm	90	7200
6	Dismantling the damaged concrete / plaster in ceiling and beams/ chajja /band/ moulding, wrapping/ cleaning the affected surfaces (concrete / steel) with emery paper/ cloth, applying a coat of cement wash and then cement concrete 1: 2: 4 with 6mm stone chips and 1:4 cement plaster over to match the existing surfaces.( approx 40mm thick	5	Sqm	345	1725
7	Demolishing brick work in cement mortar of any proportion manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable from worksite.	10	Cum	1,289.00	12890
8	Brick work in half brick thick walls in partitions with available fly ash bricks in superstructure at all levels in Cement mortar 1:4 (Cement:4Coarse sand). The partition wall shall be provided with 75 mm thick concrete(1:2:4) band at every 1mtrs intervals(Concrete and reinforcement shall be measured and paid seperately).	40	Sqm	817	32680
9	Brick work with fly ash bricks in superstructure above plinth level at all level in all shapes and sizes in Cement mortar 1:6 (1 cement: 6 sand)	2	Cum	6771	13542
10	Providing and laying P.C.C. 1:2:4 with(1 part Cement, 2 part Sand and 4 part stone graded aggregate(6mm nominal size) in any type of work with addition of Waterproofing Compound as per manufacturers' specification(by weight of cement) at all levels.	5	Cum	5952	29760
11	Providing and laying P.C.C (1:3:6) with Cement, sand & 20 mm size stone grits for jamming W.C. pan, etc. complete at all levels.	6	Cum	5488	32928
12	R.C.C. 1:2:4 in all types of work with cement, sand and stone chips including. (Coarse graded aggregate 20mm and down gauge)	1	Cum	7,501.00	7501
13	Centering and shuttering with 25 mm th. Plank including strutting, propping etc. and removal of form for all heights at all levels for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	10	Sqm	450	4500
14	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth at all level. with Mild steel and Medium nsile steel bars.	50	Kg	73	3650
15	Providing and laying Anti skid Ceramic tiles of premium quality, size 300x300 /496x496mm and of approved make, over cement mortar backing upto 20mm thick in prop 1:4 with required gradient/ slope and fixing the tiles with neat cement float, filling the joints with white cement and pigment, taking out the old damaged tiles etc complete as per direction. ( <b>Basic Price of Tile – Rs 32/- per sq ft ) (Basic Price is without GST but I/c transportation FOR site)</b>	80	Sqm	972	77760
16	Providing and laying Ceramic tiles of premium quality of approved size 300X450MM / 300X600MM and shade in Dado over cement mortar backing upto 12mm thick in prop 1:3 and fixing the tiles with neat cement float and 4 nos of key stones ( 10mm) fixed with araldite at the back of each tile and filling the joints with white cement and pigment, taking out the old damaged tiles etc complete as per direction. ( <b>Basic Price of Tile – Rs 35/- per sq ft)</b> (Basic Price is without GST but I/c transportation FOR site)	200	Sqm	1015	203000
17	Providing and applying white cement based putty of average thickness 1 mm of approved brand and manufacturer over the plastered wall surface to prepare the surface even and smooth complete.	80	Sqm	101	8080
18	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour two or more coat complete, over a coat of primer as per manufacturer's specification .over a coat of cement primer of approved brand and manufacturer on wall surface. to the satisfaction of Engineer Incharge.	100	Sqm	76	7600
19	Providing & Applying synthetic enamel paint (1st quality) ,two or more coats with uniform finish to old surface of approved make and shade to doors/ windows/ partitions etc including scrapping and preparing the surfaces complete.	30	Sqm	155	4650
20	Supplying and fixing approved factory made Fibre Reinforced Polymer(FRP) composite solid door frame of size 66 x 90 mm of approved make for toilet/ bathroom/ duct door with fibre reinforced plastic moulded skins and special sandwiched core so as to impart monolithic composite structure to suit with door shutter. The rate is including removing and taking away the existing wooden frame, repairing the damaged plaster and floor. Each frame will be fixed with 6 nos 200mm long MS holdfasts.	40	RM	596	23840
21	32 mm thk. Fibre Reinforced Polymer(FRP) composite door shutter made of 2 nos FRP laminates made out of 450 GSM glass fibre mats and GP resin and will be of 1.5mm to 2mm thick each, bonded together on both sides of a hardwood frame of 27mm x 35mm. The annular space between the FRP face sheets shall be filled with a core material of expanded polysterene (ESP) having a minimum density of 20 Kg/Cum, core material been perfectly bonded with the face sheets and adequate reinforcement provided for fixing all standard hardware. The door shall be waterproof, corrosion resistant and termite proof. The rate is including removing and taking away the existing door shutters. The rate shall also include 3 nos 125mm long MS hinges with screws.	20	Sqm,	3,448.00	68960
22	Supplying and laying the 25mm thick Cuddapah Stone, machine cut, machine polished as required for Kitchen Platform including necessary cement mortar 1:4, cement punning, adhesive materials etc all as per direction.	10	Sqm	1,343.00	13430
23	Providing and fixing Granite stone slab with table rubbed, edges rounded and polished, of size 500x1200 mm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone agregate 6mm nominal size) as per direction of Engineer-in-charge and finished smooth	6	Sqm	3,000.00	18000
24	Providing and fixing 18 mm thick gang saw cut Granite stone, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and imilar locations of required size, approved shade, colour and texture laid over 20 mm thick base cementmortar 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. Area of slab over 0.50 sqm . ( <b>Basic Price of Granite – Rs 1800/- per sq mt ) (Basic Price is without GST but I/c transportation FOR site)</b>	10	Sqm	3514	35140
25	Extra for providing opening of required size & shape for wash basin, kitchen sink in kitchen plateform, vainity counters and similar locations in marble/Granitr stone work including necessary holes for pillars taps etc including moulding, rubbing, polishing of cut edges etc complete.	8	each	555	4440
26	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 4.0 mm thick pin headed glass panes	2	Sqm	894	1788
27	Providing Sal wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs in C.C 1:2:4 or with dash fasteners of required dia & length	0.1	Cum	92352	9235.2
28	Providing and fixing ISI marked flush door shutters 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 plyveneering 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 hinges with necessary screws . ( <b>New hardware fittings like lock, handle etc will be paid separately)</b>	5	Sqm	1654	8270
29	Extra for providing vision panel of size as directed in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured): Rectangular or square.	3	Sqm	211	633
30	Providing, fitting and fixing decorative laminated sheet 1.0 mm thick to the new or old wooden surfaces including scrapping and preparation of the surfaces, adhesive materials, nails, screws, packings, if required etc complete all as per direction	10	Sqm	629	6290
31	Supplying and fixing hardwood moulded beading of size 20mm x 10mm including painting with two or more coats of Synthetic enamel paint of approved make and shade over a coat of primer of following sizes :	15	R.M.	19	285
32	Providing and fixing TW moulded beading of size 35mm x 12mm of approved design including cost of melamine polish as directed	20	R.M.	91	1820
33	Providing and fixing 8mm thick float glass to door/ window / partition etc including taking out damaged broken glass panes and fixing new glass panes with good quality putty, nails, TW beads as required of required size and painting etc complete as per direction :	1	Sq.M.	1539	1539
34	Providing and fixing aluminium anodised D -type door handle 150 mm length, 10 mm dia of approved make, ISI mark	16	Each	71	1136
35	Providing and fixing 250 mm long 16 mm dia aluminium anodized Aldrop, ISI mark	8	Each	336	2688
36	Providing and fixing, 200 mm long and 10 mm dia aluminium anodized Tower bolt, ISI mark	2	Each	148	296

37	Providing and fixing Hydraulic Door Closer of approved make,ISI mark heavy quality	3	Each	950	2850
38	Providing and fixing, S.S. heavy Coat hook of approved quality	8	Each	100	800
39	Cutting holes in concrete/brick work at all levels.				0
40	a) Size (250X250X250)	2	No.	152	304
41	b) Size (300X300X250)	2	No.	227	454
42	Providing and fixing white vitreous china pedestal type water closet(European type W.C. pan),40 CM heigh with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush ith manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls andfloors herever required with ISI marked white solid plastic seat and lid.				
	a ) with 'P' / S trap	8	No.	4,432.00	35456
43	Providing and fixing water closet squatting pan (Indian type W.C.pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlleddevice (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls andfloors whereverrequired- White Vitreous china Orissa pattern W.C. pan of size580x440 mm with integral type foot rests.	1	No.	4,532.00	4532
44	Supply & Fixing Porcelain Vitreous china half round channel 150X70mm with stop end/T junction	15	Mtr	1,050.00	15750
45	Providing & Fixing Counter top self rimming ovel shaped wash basin of size 560x410 mm( similar to cat no.10017 of Hindware) with 32 mm dia C.P. waste couplings and supported on painted 15 mm dia G.I. pipes brackets etc. including 15 mm dia C.P.brass Angular stop cock( similar to cat no.SQT 526) with PVC inlet pipe connection of required dai etc complete.	8	No.	4,141.00	33128
46	Supply & Fixing of Stainless steel sink (Nirali, Padmini) with waste fittings & two coats of paint to C.I. brackets.				
	a) Overall Size 610 X 460 mm with Bowl depth 215mm	1	No	6,232.00	6232
47	Providing and fixing half stalled urinal of size 590X390X375 mm standard size of white glazed vitreous china cat no.6002 of Hindware with 15 mm dia cp brass angular stop cock cat no. Essco(TQT-526), 15 mm dia C.P. Sprader with inlet pipe fixing with brass screws etc. inlet and PVC out let pipe with 32 mm dia C.P. waste coupling etc complete.	8	No	7,162.00	57296
48	Supply and fixing C.P.brass liquid soap holder	3	No	319	957
49	Providing and fixing Mirror 5 mm thick with beveled edges of approved make,size and design with 6 mm thick asbesstos cement board backing,fixed to wall with wooden lugs,C.P. brass screw etc. complete.	5	Sqm	2,878.00	14390
50	Providing and fixing uplasticised PVC connection pipe with brassUnions, 15 mm nominal bore up to 750 mm long.	12	No	88	1056
51	Supply and fixing C.P. towel rail 20mm. dia. with two brackets 600 mm. long.	6	No	419	2514
52	Providing & fixing C.P. Brass pillar cock raised projected nose of 15 mm dia (Similar to cat .no. 23021 ofJaquar ) complete.	8	No.	1,012.00	8096
53	Providing & fixing C.P. bib cock or stop cock 15 mm. dia. superior quality	6	No	482	2892
54	Providing & fixing long neck type C.P. Bib cock heavy quality of approved make.	1	No	720	720
55	Providing & fixing 15mm. dia C.P angular stop cock heavy &approve make.	10	No	617	6170
56	Providing & fixing CP two in one Bib cock of heavy & approved make.(Similar to cat no. 512A of Essco)complete	8	No	804	6432
57	Supply and fixing 15mm. Dia C.P. extension piece	25	No	75	1875
58	Supply and fixing 15mm. Dia C.P. wall flange heavy type	25	No	26	650
59	Supply and fixing 15mm. Dia commode shower with chord complete set ( Health faucet )	8	No	651	5208
60	Providing and fixing gun metal gate valve with C.I. wheel of approved of approved quality. Scewed end.				
	a) 20 mm dia	5	No	404	2020
	b) 25 mm	5	No	436	2180
61	Supply and fixing P.V.C SWR Type B rain water pipe/Waste pipe ISI make of approved quality including fittings and all rubber gasket and lubricant/solvent cement all as per direction complete.				
	a)75 mm dia	15	RM	349	5235
	b ) 110 mm. dia	15	RM	515	7725
	c) 160 mm dia	10	RM	912	9120
62	Supply & Fixing of H.C.I. soil fittings of any Type of junctions (with hemp fiber & cement joints including sealing the top with cement mortar1:2)including hempyarn,caulking, all complete.				
	a ) 100 mm dia	3	No.	893	2679
63	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,having thermal stability for hot & cold water supply, including allCPVC plain & brass threaded fittings, ncluding fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per irection of Engineer in Charge of 20 mm nominal outer dia Pipes	40	Rm	233.5	9340
64	- Ditto- as Item no 69 above but light duty, schedule – 40 UPVC pipes for waste line / spout.				
	a ) 40 mm nominal dia	20	Rm	310	6200
65	S/F P.V.C. SWR Type B rainwater pipes / Waste pipe,I.S.I approved including fittings & all rubber gasket and lubricant/solvent cement all as per manufacturer specification or as directed.				
	a) 75 mm dia	10	Rm	349	3490
66	Cost for cutting chase of suitable size through walls / floors, laying pipes including fittings,mending good the damages with cement sand mortar matching with the existing finish(Cost of pipe will be paid separately ).	40	Rm	65	2600
67	S/f 100 mm. C.I. floor trap, heavy quality with including bedding in cement mortar 1:6.				
	a) 'P' trap	1	No.	1,101.00	1101
68	Supply and fixing PVC Floor Trap 110mm to 80 mm dia heavy quality.	6	No.	186	1116
69	Supply and Fixing PVC Floor Trap 110 mm to 110mm dia	1	No.	273	273
70	Providing and fixing G.I. pipes complete with G.I. fittings and clamps,i/c cutting and making good the walls etc.				
	a)15mmdia	15	Rm	242	3630
	b) 20 mm dia	15	Rm	291	4365
	c) 25 mm dia	15	Rm	322	4830
71	Dismentling all plumbing connection, liime concrete of sunk pit,W.C pan,I.P.S.Glazed flooring etc. to clear sunk pit for W.C and removing all the debris from the building.	10	No	546	5460
72	Providing and fixing Chlorinated Polyvinyle Chloride CPVC pipes having thermal satbility for hot & cold water supply including all CPVC palin and brass threaded fittings.This includes jointing of pipes &fittings with one step CPVC Solvent cement,trenching, refilling & testing of joints as per direction of Engineer in- charge.G.I. pipe line				
	a) 75 mm dia	0	Rm	1,558.00	0
	b) 50 mm	0	Rm	628	0
	c) 40 mm	0	Rm	417	0
	d) 25 mm	10	Rm	249	2490
73	P / F G.I. fittings (medium quality) of any type viz. nipples/crosses, plug caps union or longs screw with socket & jam nut etc.				
	a) 15 to 50 mm dia	20	No.	55	1100
74	P / F Alkathene / Polythene pipe 32 mm. to 50 mm. dia upto 1.20 mtr. long with one end PVC coupling jointed for basin/sink etc. including clamp.	12	No.	88	1056
	TOILET RENOVATION WORK( PART-III) Gross Total ( Rs )				9,62,533.20

## FIXED CHARGES ( Part-B )

PART-B	Comprehensive Annual Maintenance Contract Charges for Acs.	(AMC)			
	Annual maintenance contract charges for the above units after defects liability period. I.e. comprehensive maintenance contract <b>without compressors for above Ductable Split type AC Units &amp; High wall split type AC Units</b> per year including replacement of spares and repairs of the units, The rate for AMC should conform the LIC terms and conditions in Conditions of contract for AMC. The AMC commences after the defects liability (warranty) period of 24 months. The AMC CHARGES will be paid quarterly after the end of each quarter i.e. every after 3 months. Apart from the above during the defects liability period and after entering into AMC the contractor has to attend emergency calls whenever required.( As mentioned in tender terms & condition )				
	Note -1 : 5 % of Total CAMC Charges for 5 years amount will be retained ( from SD or performance SD) till completion of 5 years of AMC period as security deposit.				
	Note -2 : Charges mentioned are exclusive of GST				
	3) Other T&C and scope of work are as mentioned in the tender.				
( X )	<b>5.5 TR Ductable type Split AC Units:</b>				
i.	1 <sup>St</sup> YEAR	1	11000.00	Set	11000.00
					0.00
ii.	2 <sup>Nd</sup> YEAR	1	11500.00	Set	11500.00
					0.00
iii.	3 <sup>Rd</sup> YEAR	1	12000.00	Set	12000.00
					0.00
iv.	4th YEAR	1	12500.00	Set	12500.00
					0.00
v.	5th YEAR	1	13000.00	Set	13000.00
			<b>Total Rs.</b>		<b>60000.00</b>
(Y)	<b>8.5 TR Ductable type Split AC Units:</b>				
i.	1 <sup>St</sup> YEAR	4	17000.00	Set	68000.00
					0.00
ii.	2 <sup>Nd</sup> YEAR	4	17500.00	Set	70000.00



					0.00
iii.	3 <sup>Rd</sup> YEAR	4	18000.00	Set	72000.00
					0.00
iv.	4th YEAR	4	18500.00	Set	74000.00
					0.00
v.	5th YEAR	4	19000.00	Set	76000.00
			<b>Total Rs.</b>		<b>360000.00</b>
( Z)	<b>1.5 TR Higw wall Split AC INVERTER TYPE.</b>				
i.	1 <sup>St</sup> YEAR	3	2250.00	Set	6750.00
					0.00
ii.	2 <sup>Nd</sup> YEAR	3	2350.00	Set	7050.00
					0.00
iii.	3 <sup>Rd</sup> YEAR	3	2450.00	Set	7350.00
					0.00
iv.	4th YEAR	3	2550.00	Set	7650.00
					0.00
v.	5th YEAR	3	2650.00	Set	7950.00
			<b>Total Rs.</b>		<b>36750.00</b>
	<b>TOTAL of Part " B" ( X+ Y+ Z )</b>			<b>Rs.</b>	<b>456750.00</b>

**N.B :CAMC Charges are Fixed Charges, Quoting of Rate is not applicable for CAMC for A.Cs.**

	<b>FIXED CHARGES(Part-C )</b>				
Part-C	Dismantling & Taking away Old Materials/ Scrap Materials/Buy-back materials(AS IS WHERE IS BASIS CONDITION) duly acknowledgement from BO incluing making good the damages to wall/Floor/Terrace/Parapet of the Building.				

(a )	Electrical LT Panel ( AC )	1	8000	Set	8000
(b )	Three Phase DB with MCB	3	2000	Set	6000
(c )	Al.Cables, Switch boards , Lan Cables, I.O Box,UPS Wire.	1	6000	LS	6000
(d)	Mega High wall Split AC(2.5 Tr.)(Indoor as well as out door )	13	4500	Set	58500
(e)	Refrigeration pipe/Copper pipe & Drain pipes	1	22000	LS	22000
	PART-C ( Gross Total )				100500