

SCHEDULE OF QUANTITIES (BID-III)

NAME OF THE WORK:- PROPOSED WORKS OF INTERIORS, CIVIL, MODULER FURNITURE & CHAIRS, ELECTRICAL INSTALLATIONS, DATA & TEL. CABLING, FIRE ALARM AND AIR CONDITIONING SYSTEM AT OFFICE OF CITY BRANCH OFFICE-22.					
Tender Item No	Description	Quantity	Unit	Rate (Rs.)	AMOUNT
1	INTERIOR WORKS				
	FALSE CEILING :				
1.01	Providing & erecting Suspended Ceiling System with similar to Armstrong "CLASSIC LITE" (H 1673M OR 1892M/1893M) Tiles in module size of 600mm X 600mm X 16 mm (M1672), laid with suprafine 15 mm Hot Dipped Galvanized Steel Suspension system Zinc Coated having Rotary Stitched. All as per manufacturers' specification	26.00	Sqm	1,075.00	27,950.00
	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.)				
1.02	Providing & fixing at all height false ceiling with G.I. section manufactured by M/s. Gypsum India Ltd (Gypsteel). The framing sections of the ceiling are 0.55mm thick Perimeter channel having flange of 20mm & another flange of 30mm & web of 27mm (20 x 27x30 x 0.55 mm) fixed at 610 mm c/c and connected to suspended GI intermediate channel (15 x 45 x 15 x 0.9 mm thick) at 1220 mm C/C with ceiling angles of size 25 x 10 x 0.55 mm thick. Fixed to soffit with GI cleat & steel expansion fasteners. Ceiling section of 80 x 26 x 0.55 mm thick having knurled web of 51.5mm & two flanges of 26mm each with lips of 10.5mm are to be fixed to the intermediate channel with the help of connecting clip of size 2.64mm dia and in direction perpendicular to intermediate channel at 475 mm centers including fixing of 12.5 mm thick tapered edge gypsum board (conforming to IS: 2095-1982 & 2542-1981) with drywall screws at 230 mm c/c, to have a flash finish of tapered and square edges of the gypsum board with recommended filler, paper	477.00	Sqm	1,005.00	4,79,385.00
	Including two coats of primer suitable for gypsum board two or more coats of acrylic distemper paint of approved shade and also including making necessary opening for light fitting, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction				
	(Note: only plan area shall be measured for payment. Drops below AC ducts of any depth will not be measured for payment. The drops for design purpose, which are provided as directed, will be measured and paid separately. No deductions for light cutting separately)				

1.03	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	32.00	RM	114.00	3,648.00
b	100mm X 100mm	105.00	RM	77.00	8,085.00
	Full height Double skin Calcium silicate partition with low VOC acrylic emulsion paint				
1.04	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, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.	45.00	Sq.M	1,851.00	83,295.00
	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 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				

1.05	<p>Providing & Fixing of Full Height (Partly glazed & partly paneled) partitions upto ceiling height consisting of G.I. frame and required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll from G.I. sheet with zinc coating of 120 gms/ sqm (both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, suitable anchore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The 9mm thick Fire Retardant plywood are to be fixed to the frame work with joints staggered to avoid through cracks , 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</p>	15.00	Sqm	4,397.00	65,955.00
	<p>.....with both sides with one sides 1mm thick high pressured laminates and other sides 4.0 mm thick teak wood veneer including high gloss melamine polish 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. 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</p>				
1.06	<p>Providing & Fixing of Full Height partitions upto ceiling height consisting of G.I. frame and required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll from G.I. sheet with zinc coating of 120 gms/ sqm (both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, suitable anchore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The 9mm thick Fire Retardant plywood are to be fixed to the frame work with joints staggered to avoid through cracks , M.S. fixing channel of 99mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the</p>	50.00	Sq.M	4,130.00	2,06,500.00
	<p>.....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)</p>				

1.07	<p>Providing & Fixing of Full Height (Partly glazed & partly paneled) partitions upto ceiling height consisting of G.I. frame and required 9mm thick Fire Retardant plywood confirming to IS 5509 , including providing and fixing of frame work made of special section powder pressed/roll from G.I. sheet with zinc coating of 120 gms/ sqm (both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, suitable anchore fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of 9mm thick Fire Retardant plywood to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The 9mm thick Fire Retardant plywood are to be fixed to the frame work with joints staggered to avoid through cracks , 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 finishing</p>	36.00	Sq.m	3,946.00	1,42,056.00
	<p>.....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. 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</p>				
1.08	<p>Providing and fixing of 1200 mm height approx(Low Height) partition consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/ sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete</p>	33.00	Sq.m	1,900.00	62,700.00

	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 of approved make and shade . The top capping of the partition shall be teak wood 70mmx12 mm with tapered edge finished including melamine				
	WOOD WORK :				
1.09	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.	0.78	Cum	1,08,052.00	84,280.56
1.10	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.	0.08	Cum	1,33,550.00	10,684.00
1.11	Providing and fixing 30 mm thick ISI marked flush door shutters conforming to IS 2202(Part 1) Non decorative type core of block board construction with frame of 1st class hardwood and well matched commercial 3 ply veneering grains or cross bands and face veneers on both sides of the door.The door shall be provided with 30 x 6 mm beading on all sides of the Door shutter. The door shall be fixed using 3 No 304 grade S.S. Butt Hinges of 127 x 89 x 3 mm size with ball bearing (magnum make or equivalent) with matching screws. Laminate on the door shutter shall be measured and paid separately.	32.00	Sq.M	1,650.00	52,800.00
1.12	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 & 900mm long) as per design & direction with suitable wooden beading including laquer polishing, glass itching as per design approved and finised with both sides 1mm thick high pressured laminates of approved make & shade etc. complete with recommended adhesive. (Hardware fittings will be paid in	5.00	Sq.M	2,150.00	10,750.00
1.13	Providing & fixing Wall paneling/column cladding with overall thickness 32mm with 45x25 mm seasoned Sal wood frames @ 450 mm C/C in horizontal & verticals fixed to wall rigidly, 6 mm thick Fire Retardant ply fixed on frames with screws making uniform joints and grooves, Teak wood beading of 32x12mm fixed at top finished with laquer polish and finised with 1mm thick high pressured laminates of approved make & shade etc. complete with recommended adhesive.Openings to be provided for electrical fixtures wherever required. approved make and	128.00	Sqm	3,965.00	5,07,520.00
	STORAGE UNITS :				
	(For all type of Storage Units, the front elevated area shall be measured for payment.)				
1.14	Providing & fixing 450mm deep and 2100mm approx ht. storage unit as per following:	28.00	Sqm	9,415.00	2,63,620.00

	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)				
1.15	The same as above of item no.1.14 but height 1200mm approx with 02 nos. Intermediate shelves and in addition to 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.	57.00	Sqm	9,415.00	5,36,655.00
1.16	P/F Cash counter of overall width 900mm and overall height 1190mm (approx.) made out of FSC Fire Retardent (IS : 5509) Plywood 19mm th. with t.w. lipping at edges all as per drawing consisting of the following: size 1650 mm. internal with a variation of +10% (for which no extra cost to be paid or deducted)	3.00	Nos	30,556.00	91,668.00
	Details of counter and printer table:				
a)	Minimum 16 mm th. Machine cut, machine polished black granite of approved shade with double front edge rounded properly and other edges properly polished at service top of 350 mm width approx fixed on 19mm thick Fire Retardent Ply, the height of the service top to be 1120 mm from the floor level. The width of the service top to be 350 mm. 12 mm thick. float glass of size 600 X 100 mm with CP polished edges to be fixed in the middle portion of the service top towards the cashier side. The Granite as well as the 19mm thk. fire retardent plywood of the service top to be suitably cut for fixing the above mentioned glass.				
b)	The working table top of width 900 mm made of 19 mm thk. Fire Retardent plywood finished with 1 mm thk high pressured laminates on top & 0.8 mm balancing laminate on bottom surface incl half round TW beading of sect. 20 X 12 mm duly polished. The height of the working platform to be 750 mm from the floor with provision of cable manager and cap . On the left side of table top provision to be made for placing printer by cutting 1 slots of size 450 X 20 mm finished with PVC Gasket in the working platform top.				
c)	One drawer unit (at every 1500-1700 mm length of counter) of 400mm wide(clear internal size) depth 450 mm , drawer unit having three drawers below to be made out of 12 mm thick Fire Retardent ply at sides, 6mm thick fire retardent ply at bottom, 19mm thick fire retardent plywood at front and rear including cash separation arrangement in top drawer only with with 6mm FSC certified Fire Retardant ply, sliding on Quadrial slides (QSDS 50 of ebco Make), central lock (Ebco Make) Front surface finished with 1.0mm th. fire retardent high pressured laminate and internal surface with 0.8 mm thick same type				

d)	Printer Table On the left side with two compartment of 400mm external width top for paper stationary and bottom for CPU. The top compartment is to be divided in to two equal part by sliding shelf of size 400 X 350 mm made of 19 mm thick fire retardent (IS:5509) Ply wood sliding on sliding channels of approved make finished with 0.8 mm balancing laminate with locking arrangement. The back of this compartment is to be provided with 6 mm fire retardent ply wood. The bottom compartment made up of 19 mm thick fire retardent plywood of size 400x500mm fixed 75mm above floor level. This box for CPU , open from the front and back to be covered with 0.8 mm thick balancing laminate of approved shade & make complete. Top of the unit shall have 1 mm thick high pressured laminate and all the exposed edges of the plywood to be provided with TW lipping				
e)	Articulated key Board station Flexible 360 swivel enabled, Ebco Make(AKS1M model) or equivalent approved , to move freely as per sitting posture with mouse tray, soft palm rest and stow away soft pad to provide support single knob system to enable height and tilt angle as required				
f)	Providing & fixing 12 mm th plain glass on counter top in suitable size Gl / sal wood frame (above) covered with fire retardent plywood and 1 mm high pressured laminate with a semi-circular slit of 125 mm dia at service top level and slit of 50 mm at 1.5 meter level from Floor including etching as per design and necessary exposed edges grounded and polished etc complete as per drawing or as directed				
g)	1 mm thick high pressured lamination of approved shade and make to be provided on top of working platform , on face of each of the 3 drawers, side hung shutter and on the vertical sides of the counter on the customer side . All exposed edges of the 19 mm thk. ply wood to be provided with TW lippings of size 20 X 6 mm duly melamine polished. All the inner sides of the counter not exposed from customer side including the bottom of table top to be covered with 0.8 mm thick balancing laminate of approved shade and make it complete				
h)	Foot rest of Sal wood with support of section 70 X 35 mm to be provided finished with painting.				
i)	making circular slit for cable manager and straight cutting for paper slit including P/F cable manager and paper slit manager all complete as directed.				
1.17	P/F powder coated aluminium Deco grill of opening size 50x50mm approx fixed with liquer polish 32x32mm TW moulding.	3.00	Sqm	2,098.00	6,294.00
1.18	Providing and fixing Computer/ Running table 600mm wide & 750 mm height with Chamfering at corners/ straight as directed, made with 19mm thick Fire Retardant Ply and 1mm thick high pressured lamination at top. Vertical supports of 600 mm wide @ 1350 to 1500 mm c/c with 19mm th. Fire Retardant Ply & 1mm thick high pressured lamination on both sides . Sal wood foot rest of 75x50mm to be provided with painting, all unexposed surfaces shall be 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. Key board tray, cable manager with necessary hardware all as per drawing	3.00	R.M	3,488.00	10,464.00
1.19	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.	25.00	R.M	2,962.00	74,050.00
1.20	Providing and Fixing decorative 1 mm thick FSC Certified Fire Retardant high Pressure Laminate conforming to IS 2046 (type S), in gloss/matt/suede finish and fixing with synthetic adhesive suitable for Laminate	63.00	Sqm	635.00	40,005.00

1.21	Providing & making glass itching of approved design as directed	8.00	Sqm	554.00	4,432.00
1.22	Providing and fixing 8 mm thick float glass panes with beveled edges mirror polish including itching etc. completed as per direction	5.00	Sqm	2,960.00	14,800.00
1.23	Providing and fixing Fire Retardant plywood conforming 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	21.00	Sqm	764.00	16,044.00
b	9 mm thick	21.00	Sqm	1,057.00	22,197.00
c	12 mm thick	11.00	Sqm	1,283.00	14,113.00
d	19 mm thick	11.00	Sqm	1,738.00	19,118.00
e)	Providing and Fixing 8 mm thick Calcium Silicate Board	11.00	Sqm	479.00	5,269.00
	TW MOULDINGS :				
1.24	Providing and fixing T.W mouldings wherever required and ordered specifically including Laquer polish.				
a	40 x 12 mm	84.00	R.M	78.00	6,552.00
b	25 x 25 mm	21.00	R.M	83.00	1,743.00
c	25 x 12 mm	21.00	R.M	70.00	1,470.00
	PIN-UP BOARD:				
1.25	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	11.00	Sqm	2,150.00	23,650.00
1.26	Providing and fixing Roller blinds of approved shade and design including channel fixed as per site condition and manufacturers specifications of "VISTA/MAC/EXCEL" 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. Basic Rate Rs 100 per Sqft.)	36.00	Sqm	2,600.00	93,600.00
1.27	Providing & fixing 4 mm thick teak veneer (natural wood grains) of approved make & shade on partition or any other places as directed as per design and including adhesive, malamine polish etc. complete	6.00	Sqm	1,086.00	6,516.00
1.28	French spirit polishing with two or more coats on new works including a coat of wood filler of any area As directed by Engineer in Charge	6.00	Sqm	307.00	1,842.00
1.29	Providing and fixing good quality 3D wall paper as per direction of Engineer Incharge . Basic Rate - 170/ Sq. feet	6.00	Sqm	2,300.00	13,800.00
1.30	Providing and Fixing decorative 1 mm thick FSC Certified Fire Retardant high Pressure metallic sheet in gloss/matt/suede finish and fixing with synthetic adhesive suitable for metal sheets	4.00	Sqm	1,200.00	4,800.00
1.31	P/F 12 mm Toughened glass partition and door up to 2100 mm ht. in partition with S.S fittings i.e S.S bracket, hinges, rubber gasket ,S.S handle and other assoseries which required for fixing etc. complete as per direction of Engineer in charge	12.00	Sqm	2,400.00	28,800.00
1.32	Providing and laying double charge vitrified tiles approved make, 9mm thick (thickness to be specified by the manufacturer) of size 600mmX600mm of approved shade and pattern in flooring fixed with approved make tiles adhesive filling the tiles gaps between two tiles with approved Epoxy colour grout to match with tiles shade as per instruction by C.A. Minimum Basic price of Vitrified tiles Rs. 645 per Sq.M	502.00	Sqm	1,255.00	6,30,010.00

1.32.A	Providing and laying double charge Vitrified tiles in floor in 600x600 sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily (Minimum	10.00	Sqm	1,192.00	11,920.00
1.33	Same as above item no.1.32 but 148 mm high in skirting with mortar.	15.00	Sqm	1,190.00	17,850.00
1.34	External cement plaster, 20mm thick in cement sand mortar 1:4 in two coats with addition of waterproofing compound in each coat as per manufacturers specification as directed	16.00	Sqm	352.00	5,632.00
1.35	Internal Cement Plaster 1:6, 12mm thick smooth finish to brick / Cement concrete work (excluding R.C.C. slab soffits) including taking out old plaster, if any.	21.00	Sqm	247.00	5,187.00
1.36	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 etc.	262.00	Sqm	109.00	28,558.00
1.37	Wall painting with acrylic emulsion paint , having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. (Two or more coats including primer applied as per manufacturing specification).	264.00	Sqm	102.00	26,928.00
1.38	Applying of priming coat with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	35.00	Sqm	54.00	1,890.00
1.39	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade with two or more coats on old work over an under coat of suitable shade with ordinary paint of approved brand and manufacture (without primer)	35.00	Sqm	76.00	2,660.00
1.40	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 200 mm x 40 mm at bottom, 150x40mm at top & 150x40mm for verticals. Glass with etching including as per approved design and pattern, LIC emblem and . 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	5.00	Sqm	4,502.00	22,510.00
1.41	Providing and fixing wall panelling of minimum 10mm thick Conwood board or equivalent quality (lap siding G2/G5 or similar pattern) fixing on wall with aluminium framing 50mm x 25 mmx1 mm thick including fixing of hilux screws, applying putty, special jointing chemical with finishing of two or coat of exterior painting over a coat of priming. The top surface shall be finished with laquer polish for shining the wall etc. complete.	5.00	Sqm	5,037.00	25,185.00
1.42	Providing and fixing wall panelling of minimum 10mm thick Conwood board or equivalent quality (Array N and Array W or similar pattern) direct fixing on wall including fixing of hilux screws, applying putty, special jointing chemical with finishing of two or more coat of Rayal Shine painting over a coat of priming. The top surface of cladding shall be finished with laquer polish for shining the wall etc. complete.	5.00	Sqm	3,781.00	18,905.00

1.43	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 requirement	75,000.00
1.44	Fitting & fixing of the hardware fittings including all fixing materials such as screws, nails adhesive etc. all labour charges and profits and overhead expenses			25% on actual purchase	18,750.00
1.45	Providing and laying double charge vitrified tiles approved make, 9mm thick (approx) of size 600mmX1200mm of approved shade and pattern in flooring fixed with approved make tiles adhesive and filling the tiles gaps between two tiles with approved Epoxy colour grout to match with tiles shade as per instruction by C.A. Minimum Basic price of Vitrified tiles Rs. 750 per Sqm.	20.00	Sqm	1,464.00	29,280.00
Branch Manager Toilet					
1.46	Providing and laying Anti Skid Ceramic tiles of premium quality, size 300x300 and of approved make by LIC in flooring 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	7.00	Sqm	850.00	5,950.00
1.47	Providing and laying joint free Ceramic tiles of premium quality of any size upto size 300x450 and make as approved by LIC in dado/ skirting over cement mortar backing upto 12mm thick in prop 1:3 and fixing the tiles with neat cement float and filling the joints with white cement and pigment, taking out the old damaged tiles etc complete as per direction	12.00	Sqm	1,100.00	13,200.00
1.48	Providing and applying two or more coats of acrylic distemper of approved brand and shade including a coat of primer after preparation of base and cleaning of floors and glasses etc all complete	15.00	Sqm	76.00	1,140.00
1.49	Providing & fixing Pedestal type W.C. Pan (European Pattern) 40 cm. height(approx.) including "P" or "S" trap, closet pan fixed to floor with C.P. brass screws and washers and making necessary connection with branch, soil and vent pipe with Cement Joints	1.00	No	2,524.00	2,524.00
1.50	Supply and fixing Low level approved dual slim & smart plastic flushing cistern (valve less, syphonic system type) have two push bottom for half flush and full flush of 10 liter capacity of approved quality and made conforming to IS-7231-1984 including all internal fittings concealed brackets 15mm. dia. valve with polythene float 32mm. dia. plastic flush pipe with 15mm. dia. polythene pipe inlet etc. complete	1.00	No	1,726.00	1,726.00
1.51	Under Counter wash basin , size 560 x 450 mm with 32 mm. dia C.P. Waste couplings and supported on painted 15 mm G.I. Pipe brackets etc. complete but excluding pillar cocks. (Similar to Constellation series Cat. No. 10049 of Hindware) complete	1.00	No	3,800.00	3,800.00
1.52	Supply and fixing 15mm. Dia commode shower with Jaquare make with Jaquare make CP Cord PVC pipe code no 573 (Health faucet)	1.00	No	1,791.00	1,791.00
1.53	C.P. Brass pillar cock 15 mm Dia. (Jaquar pressmatic taps. Cat. No. 011) complete..	1.00	No	2,100.00	2,100.00
1.54	C.P. Brass bib cock 15 mm Dia. (Jaquar pressmatic taps) complete..	1.00	No	2,200.00	2,200.00
1.55	15mm. Dia C.P. two way Bib cock (Similar to Cat. No. 512A of Essco) complete	1.00	No	1,443.00	1,443.00
1.56	15mm. dia C.P angular stop cock (Similar to Cat. No. 526 of Essco) complete.	2.00	No	690.00	1,380.00
1.57	Supplying & fitting best quality Indian make mirror 5 mm. thick with silvering as per ISI specifications with 6 mm tk. Hardboard / A.C sheet backing fixed with brass screws at four point	0.40	Sqm	4,315.00	1,726.00
1.58	Providing & fixing 20mm Chlorinated Polyvinyl Chloride (CPVC) pipes, (medium duty, SDR 11.0 as per I.S.- 15778 & ASTM D- 2846) including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing	15.00	RM	269.00	4,035.00
1.59	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)	15.00	RM	65.00	975.00
1.60	Providing and fixing 100 mm C.I. grating, round/square, heavy type.	1.00	No	100.00	100.00

1.61	Brick work in half brick thick walls in partitions, etc. in Cement mortar (1:4). The partition wall shall be provided with 75 mm thick concrete band at every 1 mtr interval When the partition wall is not touching the soffit of beam or slab, a concrete band 75 mm thick shall be provided over the partition wall. Rate including scaffolding. The concrete band shall be measured and paid <u>separately</u> .	20.00	Sqm	830.00	16,600.00
1.62	R.C.C. 1:2:4 in all types of work with cement, sand and stone chips including. (Coarse graded aggregate 20mm and down <u>gauge</u>)	0.20	Cum	6,687.00	1,337.40
1.63	Providing, bending, binding & laying the Ribbed (Tor Steel)/M.S. reinforcement in R.C.C. works as per direction. Rate to include <u>wastage etc.</u>	20.00	Kg	92.00	1,840.00
1.64	Internal Cement Plaster 1:6, 12mm thick smooth finish to brick / Cement concrete work (excluding R.C.C. slab soffits) including <u>taking out old plaster, if any.</u>	10.00	Sqm	231.00	2,310.00
1.65	Internal Cement Plaster in cement mortar not less than 6mm thick smooth finish to soffits of R.C.C. slabs in cement mortar 1:4 <u>mix.</u>	10.00	Sqm	199.00	1,990.00
TRADE SUMMARY					40,35,542.96
2.00	MODULAR FURNITURE				
	Note : The following specifications are common for all work stations :Fabrication, supply and installation of factory made modular work stations with M S Frame Tile based partition system and all accessories as per the technical specifications. All knock down hardware to be suitable for particle board fixity <u>complete as per drawing and as directed.</u>				
	Note : ALL particle boards/ pre laminated particle boards shall be of INTERIOR GRADE of approved make of GHIHA Certified <u>Product.</u>				
	FREE STANDING TABLE AND SIDE CREDENZA (Site Made)				
2.01	Supplying of factory made free standing table unit of size 1800 X 900 X 750 mm height, complete consists of the following : (For <u>Branch Manager</u>)	1.00	Each	7,200.00	7,200.00
	Top : Table top shall be of 25mm thick Particle Board in one piece with front edge in half round Post formed moulding, finished with 0.6 mm thick approved laminate including Mini <u>fixing joinery.</u>				
	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 <u>0.6mm thick laminate.</u>				
	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 <u>fixation of switches/sockets.</u>				
	Providing and fixing 40mm dia. cable entry at the specific location after drilling hole of required size in the work station top <u>with ABS cover.</u>				
	Edges : All the edges finished with 2mm thick PVC hot pressed <u>lipping of matching colour..</u>				
	Finish : Top & Gable End finished in post formed with 0.6mm thick laminate and other surfaces with 1 mm thick laminate of <u>approved shade.</u>				
2.02	.---Do--- as above of item no. 2.01 but size 1500x750x750 mm (height) (For <u>Officers</u>)	6.00	No.	6,300.00	37,800.00
2.03	.---Do--- as above of item no. 2.01 but size 1500x600x750 mm and without 40 mm dia. cable entry and ABS cover. (For <u>Development Officers</u>)	11.00	No.	5,500.00	60,500.00
2.04	.---Do--- as above of item no. 2.01 but size 1200x500x750 mm and and without 40 mm dia. cable entry and ABS cover. (For <u>RC</u>)	4.00	No.	3,600.00	14,400.00
2.05	.---Do--- as above of item no. 2.01 but size 900x500x750 mm and and without 40 mm dia. cable entry and ABS cover. (For <u>Sub Staff</u>)	2.00	No.	3,600.00	7,200.00
2.06	Providing, supplying & placing in position side credenza of size 900mm X 450 X 722mm consisting of following : (For <u>DO</u>)	17.00	No	4,200.00	71,400.00

	Top : Top made out of 25mm thick Particle board with front edge in half round post formed moulding.				
	Carcass/shelf made out of 18mm thick pre laminated particle board (OSL) interior grade.				
	Shutter made of 18 mm thick pre laminated particle board (OSL) interior grade with sliding channel with double ball bearing for smooth operation.				
	Skirting : 50mm high skirting out of 18mm thick pre laminated particle board.				
	Locks : The unit shall be provided with Push button Lock with hinge keys in two sets.				
2.07	Same as Item No. 2.05 above for side creseza of size 1200x450x722mm for Branch Manager.	1.00	No	5,422.00	5,422.00
2.08	Same as Item No. 2.05 abovebut back side creseza of size 1350x450x722mm for Branch Manager.	1.00	No	6,100.00	6,100.00
	WORK STATION TOP AND GABLE END :				
2.09	Providing and fixing work top of following sized and shall consist of following including powder coated M.S. Brackets and fixed to modular partition.	20.00	Each	5,312.00	1,06,240.00
	Top : Work station top made out of 25mm thick particle board of Interior Grade with front edge in half round mould (post formed section).				
	Finish : Top finished in Post formed 0.6 mm thick laminate of approved shade. The bottom finished with balancing laminate of 0.8 mm thick.				
	Edge : All other edges finished with matching to top finish with 2 mm PVC lipping.				
	Providing and fixing 50 mm dia. Gormets for cable entry at the specific location after drilling hole of required size in the work station top with ABS cover.				
	Size 1500mm X 1500mm X 540mm "L" shape work station.				
2.10	Providing and fixing Gable End made with 25mm thick interior grade particle board for the following sizes and shall consist of following including powder coated M.S. bracket with fixity to top and partition.	20.00	Each	1,323.00	26,460.00
	Finish : Finish in Post formed 0.6mm thick laminate of approved shade.				
	Edge : All other edges finished with matching to top finish with 2 mm thick PVC lipping.				
	Size 515 mm X 725 mm Gable End				
2.11	Providing and fixing Gable End made with 25mm thick interior grade particle board for the following sizes and shall consist of following including powder coated M.S. bracket with fixity to top and partition.	11.00	Each	1,187.00	13,057.00
	Finish : Finish in Post formed 0.6mm thick laminate of approved shade.				
	Edge : All other edges finished with matching to top finish with 2 mm thick PVC lipping.				
	Size 475 mm X 725 mm Gable End				
	PARTITIONS :				
2.12	Fabrication, supply & installation of tile based free standing partition of ht. 1200 mm (approx.) and 65 mm thick (minimum) including top trim, end trim, corner filler, adjustable glide screws, top hinged race ways, cover plate, etc. complete for the following type of partition and consist of the following:	74.00	Sqm	4,944.00	3,65,856.00
	Modular partition frame made out of roll formed M.S. sections, 16 gauge for core frame & intermediate members. The core frame consist of a rectangular frame fixed with nut & bolt to horizontal sections to form a rigid structure. All M.S. and C.R.C. components shall treated with 7 tank galvanized process & finished with min. 50 micron thick powder coating of approved shade. Each frame supplied with leveling bolts with knurling/fiber knob which allows 25 mm adjustment. The size of the partition will be as specified in the drawings.				
	Skirting : Minimum 100 mm high skirting top hinged panel cover raceways out of M.S. sheets and finished in approved shade powder coating of minimum 50 micron				

	Raceways : Concealed race way below/ above work station top for transporting wires, cables and conduits with top hinged flap out of MS powder coated sheets. The bottom race way will have wire carrier hangers and no horizontal member at the floor level.				
	Top Trims & End trims : Shall be of extruded aluminium sections of shape and finished with approved shade powder coating. Caps & Corner filler : shall be of ABS filler Caps which should match very closely to the colour of top cap and end trims.				
	Tile panel : All partitions shall have on both sides the tile panel of 12 mm thick. Pre laminated Particle Board (O.S.L.) of Interior grade conforming to IS: 12823. All the edges shall be finished with hot pressed PVC lipping of matching shade. The tiles shall have sufficient number of clips on rear side to fix the tiles on partition. The tiles shall be fixed flush to the partition.				
	The partitions should have a minimum of 9 kg/Sq.M. steel per Sq.M. of partition frame. The steel should be manufactured by SAIL/TISCO/JINDAL/RIN Ltd./ESSAR STEEL. The supplier of furniture should submit proof of purchase of steel from the manufacturers and test certificates as well.				
2.13	Extra payable for providing Fabric panel (tackable type) in lieu of pre laminated particle board panes in partition mentioned in item no.3.12 above. The tackable tiles shall be made of 0.6 mm thick G.I. sheet with an inlay of 10 mm thick cross lone foam having density 50-60 kg/Cu.M. Fabric shall be with fire retardant coating and scotch guard for stain resistance glued on G.I. sheet. The basic price of fabric Rs. 300/-per R.M. (The area of actual fabric panel shall be measured for payment)	8.00	Sqm	163.00	1,304.00
PEDESTAL DRAWER UNIT & ACCESSORIES :					
2.14	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.	28.00	Each	5,135.00	1,43,780.00
	Pedestal Drawer unit : Size 450mm X 515 mm X 725 mm height.				
	Carcass : Made out of 0.8mm thick M.S. sheet, treated with 7 tank Galvanised 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 Galvanised process and finished with powder coating of approved shade & thickness of 50 microns. The drawers shall be mounted on 2 nos. telescopic channels for smooth operations.				
	Locks : The units shal have 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.				
2.15	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.	20.00	Each	4,135.00	82,700.00
	Pedestal Drawer unit : Size 450mm X 515 mm X 725 mm height.				
	Carcass : Made out of 0.8mm thick M.S. sheet, treated with 7 tank Galvanised process and finished with powder coating of approved shade & thickness of 50 microns.				
	Drawer : Uppar part shall open for keeing the file & 1 no. filing drawer made out of 0.6 mm thick M.S. sheet, treated with 7 tank Galvanised process and finished with powder coating of approved shade & thickness of 50 microns. The drawers shall be mounted on 2 nos. telescopic channels for smooth operations.				
	Locks : The units shal have locking arrangement (7 lever) lock in front of drawer with key in two sets.				
	Handles : The units shall have M.S. pressed concealed handles to drawer.				
	The unit shall have 1 nos. glide screws with height Adjustment of +/- 10mm.				

2.16	-Do- as item no.2.13 above but Pedestal Drawer unit : Size 380mm X 450 mm X 725 mm height.	-	Each	4,908.00	-
2.17	Supply & fixing of "Innofitt/ebc0" 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.	29.00	Each	962.00	27,898.00
2.18	Fabricating, supplying & placing in position below work station 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.	29.00	Each	503.00	14,587.00
GENERAL TRADE SUMMARY OF MODULAR FURNITURES					9,91,904.00
3.00	SUPPLY OF CHAIRS				
3.01	Providing & supplying of High back cushioned chair with following specification: (For MM/DM/ADM/SBM/BM/I/C) Seat size -480m (W) X 440mm (D) approx. Back Size -480mm (W) X 660mm (H) approx. Seat & Back assembly: The seat & back shall be made of 12mm thick hot pressed plywood & moulded polyurethane foam 50 mm thick with density of 45+/-2 Kg/Cum in seat and 32+/-2 Kg/Cum in back and hardness 20Kg on Hamden machine at 25% compression including PVC lipping. The back foam is designed with contoured lumber support for extra comfort. Leatherite Tapestry Flame retardant leatherette tapestry of Rs.350/- to Rs.400/- per metre of approved shade complete as directed. Tilting & Revolving Mechanism: The adjustable central tilting system shall be designed for 17 degree max. tilt. The tension shall be adjustable. It shall be provided with upright locking system. A full 360 degree swivel mechanism shall allow for fluid lateral movement. The revolving & Synchronised tilting mechanism with locking arrangement in different positions & anti shock back mechanism is provided alongwith height adjustment mechanism & anti toppling mechanism. Gas lift: The gas lift shall be maintenance free, environment friendly, chrome free cylinder tube fixed in a M.S. black powder coated central column tube 38mm dia, 2.0mm thick, 100mm stroke length & gas pressure of 300N force. Pedestal assembly : The pedestal shall be made of arc shaped CRC metal folded base with 2.3 mm thick steel strips and fitted with 5 nos. twin wheel pin castors of min. wheel dia. 50 mm. The 5 prongs shall be welded to a central bush made for 2.5 mm thick ERW steel tube with 63 mm OD and 60 mm length. The bush shall accommodate the housing of the gas lift. Diameter of CRC metal base shall be 660 mm with 5 pronged legs duly powder coated having powder coating thickness 50 to 60 microns. The M.S. pedestal is covered with ABS moulded cover for modern and aesthetic looks. Telescopic bellow assembly : The bellow shall be 3 piece telescopic type and injection moulded in black Polypropylene. Twin wheel castors : The twin wheel castors shall be injection moulded in 30% glass filled nylon & extra smooth. Polyurethane armrest : The one piece armrest of diamond / rectangular / elliptical shape or any other approved shape are made of black integral skin polyurethane with 50-70 share "A" hardness and reinforced with M.S. insert The armrest shall be scratch proof & weather resistant. Armrests are fitted to the seat with powder coated armrests bracket made of 5mm thick HR Steel. Powder coating : All the steel components shall have epoxy polyester powder coating with dry film thickness of 45 microns (min).	1.00	Each	5,288.00	5,288.00

3.02	Do- as item no. 3.01 above but for medium back cushioned chairs but having following sizes : (For AO / AAO / HGA / Asst / RC/ DO & others) Seat size –450mm (W) X 440mm (D) approx. Back Size -450mm (W) X 550mm (H) approx.	49.00	Each	4,327.00	2,12,023.00
3.03	Providing & supplying low back fixed cushioned chair with tubular cantilever type frame made of 25.4mm dia, 14 BG ERW tube with powder coated but having following size: (For Visitors, Agents, Sub- staff & others) Leatherite Tapestry Flame retardant leatherette tapestry of Rs.350/- to Rs.400/- per metre of approved shade complete as directed. Polyurethane armrest : The one piece armrest of diamond / rectangular / elliptical shape or any other approved shape are made of black integral skin polyurethane with 50-70 share "A" hardness and reinforced with M.S. insert The armrest shall be scratch proof & weather resistant. Armrests are fitted to the seat with powder coated armrests bracket made of 5mm thick HR Steel Powder coating : All the steel components shall have epoxy polyester powder coating with dry film thickness of 45 microns (min). Seat size –450mm (W) X 440mm (D) approx. Back Size -450mm (W) X 470mm (H) approx.	73.00	Each	3,365.00	2,45,645.00
3.04	Perforated Chair Supplying & fixing multipurpose perforated chair in waiting lobby area made of 16 gauge M.S.with chrome plated finishes perforated net with hole size 3mm for seat & Backrest. The structure made of CRC pipes 14 gauge - 50mm dia, pipe ,19mm dia. Pipe, Bar of size 100mm x 75mm, with 32mm wide Arms for individual seats, steel caps and adjustable steel screw. All the structural components and parts shall have chrome plated finishes. Sizes: Seat depth – 450 mm, seat width – 450 mm, back height – 350 mm, seat height - 441mm & overall height – 775 mm (approx.)				
a)	3 Seater	1.00	Each	4,327.00	4,327.00
b)	2 Seater	1.00	Each	3,654.00	3,654.00
3.05	Supplying and fixing Sofa single / two / three seater as per requirement consisting of the following: a) Fully upholstered / cushioned sofa in configuration of seats as per drawings or as directed with seat size 560 x 560 mm each, back 450 mm & arms 150 mm wide. b) Made out of good quality Seasoned Hard wood frame work and teak wood arm rest under carriage and grid work of non sag spring, inclusive of 100 mm thick in seat and 75mm thick in back cushion of high density (45+/- Kg/Cum) PU foam, upholstered with flame retardant leatherette tapestry of Rs.350/- to Rs.400/- per metre of approved shade complete as directed.				
a)	Two Seater	1.00	Each	9,615.00	9,615.00
b)	Single Seater	2.00	Each	4,808.00	9,616.00
3.06	Supplying Centre table made of teak wood and 10mm glass top with melamine polish finish of following sizes as per approved drawing & as directed Over all size 1200X 500X450 MM	-	Each	5,769.00	-
TRADE SUMMARY					4,90,168.00
SCHEDULE OF QUANTITIES FOR ELECTRICAL					
4.00	Panel & DBs. (All MCB should be of 10kA, C-Curve rating):				
4.01	Main LT Panel.	1	Set	176534.00	1,76,534.00
	PANEL BOARD				
	250 amps, 36kA, breaking capacity 4 pole MCCB -1No.				
	BUSBARS				
	(a)4 nos busbar of size 50 mm X 5mm tinned copper flats of suitable length fixed in porcelain insulators and duly colour coded by heat shrink PVC sleeves for 3 phases and neutral.(for incoming supply)				
	(b) '-----DO--- as above as in (a) but busbar size of 25mm X 5mm. (For DG supply)				
	160 amps, 36kA, breaking capacity 4 pole MCCB -1 nos.				

	160 Amps 4 pole changeover switch - 1 nos..				
	63 Amps 4 pole MCB = 7 nos.				
	40A DP MCB = 10 nos.				
	32A DP MCB = 2 nos.				
	c) Panel metering chamber housing three phase Volt meter of 0 to 500 Volts, with Ammeter 0 to 300 Amps with selector switch, PF meter. CTs RYB phase indicator, meter protection fuses etc —2set (1 for main supply and 1 for DG supply)				
	Rate shall be included for all incoming and outgoing connections and necessary inter connections from main bus bar to switch gears with required size of Electrolytic Grade copper bus bars and control wiring with suitable size length,quality,capacity of PVC insulated FRLS copper wire, lugs, earthing etc., the cubical panel board shall be provided with necessary adopter boxes. Two spare compartments are also to be provided for future use. The name plate with switch gear designations shall be fixed at the top of the switch board. A separate name plate giving feeder details shall be provided for each panel. LIC Engineers should approve the design before				
	Lighting/Raw Power/UPS DB:				
	SITC of Distribution Boards complete with MCBs / Isolators / Bus bars and interconnections. No fabricated DBs shall be allowed. DOUBLE DOOR, metal clad IP43. The rate to include concealing the DB in Partitions / Walls etc. as required & directed. The MCB's shall be of C series only of 10Ka BC				
4.02	Supplying & fixing of suitable capacity 3-Phase, 415V Electronic Energy Meter incl. connection in Metallic/ PVC/Acrylic Box with din rail, neutral and earth link complete as required and approved by local electricity authority and arranging sealing certificate from electricity Board, if required	1	Set	8066.00	8,066.00
4.03	SITC of 4 way TPN MCB DB with 1 no. 63 A 4 pole MCB as incomer and 6 nos. 32 / 40 A DP MCBs on outgoing along with dummy plates. For UPS, Lighting & Raw power DB.	3	Set	10363.00	31,089.00
4.04	SITC of 12 way SPN, MCB, DB with 1 No. 40 A, DP RCBO with 40 A, DP MCB as incomer and 8 Nos. 16/10/6 A SP MCB's on out going for Lighiting DB with dummy plates. For Lighting.	3	Set	8812.00	26,436.00
4.05	SITC of 12way SPN MCB DB with 1No. 32A DP MCB as incomer and 10Nos. 16/10/6A SP MCBs on outgoing along with dummy plates. For UPS / Raw Power.	4	Set	6112.00	24,448.00
4.06	Supply and installation of MCB " TWO WAY CENTRE OFF" change over switch 63A double pole of approved make (viz. Legrand) in sheet steel enclosure/mounting boxes of same make as that of MCB with blank plate to be fixed concealed / on surface including connection and earthing as directed	1	set	2232.00	2,232.00
4.07	Supply and fixing power unit for AC with 32 A MCB & Starter on surface/recess complete with suitable size GI /PVC Box with modular Plate and Cover including starter,socket,plug top connection etc. complete as required.	1	set	1815.00	1,815.00
4.08	S& Installation following MCB's/MCCB housed in manufacturer's sheet steel MS enclosure, vermin & dust proof, wall mounted, enamel painted with powder coat finish and as directed.				
i)	63A ,10KA 4pole MCB "C" Curve	3	set	2711.00	8,133.00
ii)	40/63A,10KA DP MCB "C" Curve	0	set	1719.00	-
iii)	32A,10KA DP MCB "C" Curve	1	set	1038.00	1,038.00
4.09	Supplying and fixing metal box of following sizes (nominal size) made out of 2 mm thick MS Sheet, fabricated in the required size and shape, duly painted with one coat of red oxide and two coats of grey paint. The rate does not include the cutting of floor and making good of the same				
i)	200mm x 200mm x 50mm deep	12	each	225.00	2,700.00
ii)	300mm x 300mm x 50 mm deep	14	each	300.00	4,200.00
4.10	Supplying and fixing of Stainless Sheet cover of following sizes on the above junction boxes. The cover shall be made out of 2 mm thick SS sheet duly champhored on all side. The sheet shall be fixed with counter sunk screws				

i)	250mm x 250mm	12	each	425.00	5,100.00
ii)	350mm x 350mm	14	each	700.00	9,800.00
4.11	Cutting of existing flooring, PCC etc for concealing PVC conduit junction box and making good the surface after cancelling the pipes. The width shall be 300 mm and depth 40 to 50 mm complete as directed.	55	RM	200.00	11,000.00
5.00	CABLING & WIRING :				
5.01	Supply, laying, testing and commissioning of the following size of 1.1 KV class XLPE insulated PVC sheathed 1100V graded armored Aluminum Conductor armoured cable along with 2 runs of 10 SWG G.I. wire on surface of wall using clamps, spacers, etc. including laying of cable.				
i)	3.5 C x 185 Sq.mm	30	RM	829.00	24,870.00
5.02	Supply and laying 4 x 10 sq.mm. XLPE insulated PVC sheathed 1100V graded armored Copper Conductor cable along with 2 runs of 10 SWG HD bare copper wire on surface of wall using clamps, spaces, etc., Scope of the work should include for suitable size cable glands, earth clamp etc. and end termination with cable lvs etc.	150	RM	400.00	60,000.00
5.03	Supply and laying 2 x 6 sq.mm. XLPE insulated PVC sheathed 1100V graded armored Copper Conductor cable along with 2 runs of 12 SWG HD bare copper wire on surface of wall using clamps, spaces, etc., Scope of the work should include for suitable size cable glands, earth clamp etc. and end termination with cable lvs etc.	50	RM	243.00	12,150.00
5.04	Supply & laying 1100V grade Flame Retardant low smoke PVC insulated copper conductor multistrand wires in the following items in 25/32 size Heavy duty FRLS PVC conduit OR PVC casing & capping with accessories. including termination of these wires with suitable type of copper lugs of appropriate size neatly crimped. Rate to include for concealing the conduits wherever directed by chipping the wall and making good or on surface with clamps, spacers etc as directed.				
i)	2R x 6 + 1R x 4 Sq.mm wires	160	RM	211.00	33,760.00
ii)	2R x 4 + 1R x 2.5 Sq.mm wires	30	RM	148.00	4,440.00
5.05	Supplying & making end termination with brass compression gland and aluminium lugs for the following XLPE / PVC insulated, PVC sheathed armoured aluminium conductor cable of 1.1 kv as required cable.				
i)	3.5 x 185 sq. mm	2	Set	1500.00	3,000.00
5.06	Supplying & making end termination with brass compression gland and copper lugs for the following XLPE / PVC insulated, PVC sheathed armoured copper conductor cable of 1.1 kv as required cable.				
i)	4 x 10 sq. mm	12	Set	350.00	4,200.00
ii)	2 x 6 sq. mm	6	Set	150.00	900.00
	CIRCUIT WIRING:				
	NOTE-1: The circuit wiring for the Circuits to be carried out with 3 runs of 2.5 sq.mm copper conductor Flame Retardant low smoke PVC insulated wires in 20mm dia HEAVY GAUGE FRLS PVC conduits and conduit accessories to be laid concealed from the DB to the switch boards and the rate for the same is to be included in the point wiring rates only. The circuit wiring for Board Room light Circuits to be carried out with 3runs of 4 sq.mm copper conductor PVC insulated wires in suitable size dia FRLS PVC conduit from DB to SB as directed.				
	NOTE-2: Rate to include providing dummy covers for the unutilized junction boxes with 3mm thick laminated sheet of approved shade and make.				
	NOTE-3: Rate to include provision of deep/metal PVCcircular junction boxes of approved make, 60mm dia 60mm deep for Circuit termination and change of direction of conduit including suitable size MS junction boxes for bunching, These boxes should be provided with laminated/acrylic sheet covers wherever necessary.				
	NOTE-4: Two way controlled light Circuits/a number of light Circuits controlled by single switch will be measured as the first Circuit from switch to Circuit as full Circuit and further Circuits as HALF Circuits.				

	POINT WIRING:				
5.07	Light/ Ceiling fan/ Call bell point : Providing one light , Ceiling Fan & exhaust fans point, wiring with 3 runs of 1.5 sqmm Flame Retardant low smoke PVC insulated multistrand copper wires in 20 / 25mm dia heavy duty FRLS PVC conduit/casing capping with accessories., over false ceiling / in partitions/ concealed in wall. The point shall be controlled by 6/10A SP switch with switch , base & cover plate, M.S /PVC box etc. All accessories are of MODULAR type including 3plate ceiling rose / Angle holder or direct to fitting as directed as required with necessary junction box & dummies plates etc. Rate to include for chasing the wall /surface/ concealing the conduit and making good& below false ceiling or drawing in conduit/ casing - capping , concealed or surface. Please note that the rate of point wiring is inclusive of Circuit wiring as per specification mentioned above.	99	Pt.	828.00	81,972.00
5.08	Do as above but using <u>Regular switch(6A)</u> accessories(Cover plate+PVC Box+ceiling rose 3P/holder+Junction Box)	10	Pt.	654.00	6,540.00
5.09	Wiring – do – as above but for buzzer points including bell push, buzzer, switch plate and separate PVC surface type / Metallic recessed type <u>Switch Board for buzzer</u>	1	Pt	847.00	847.00
5.10	Wall fan point / Independent plug point : Same as above in light point wiring, but including providing 1 No. 6/10A, 5 pin universal socket modular with 1 No. 6/10A SP switch with concealed MS/PVC box, switch plate, cover plate and near the wall fan/air cooler/ cash counting machine etc.	33	Pt.	887.00	29,271.00
5.11	6A Dependent plug point: Supply & fixing modular 6A 5 pin socket with 6/10A SP switch, on the existing switch board for <u>new light points as above.</u>	23	Pt.	209.00	4,807.00
5.12	Supply & fixing Modular type 16/6A 6pin socket with 16A SP switch with indicator ,box, plate for raw power including supply and providing wiring with two runs of 4 sqmm and single run of 2.5 sqmm copper conductor Fire Retardant low smoking PVC insulated wires in 20/25mm dia heavy gauge FRLS PVC conduit including earthing and connections complete . The rate is inclusive of cost of conduit. (the wiring to the points is to be brought directly from one of the circuits of the D.B. provided in the floor)	9	Set	1425.00	12,825.00
5.13	Raw Power Point Wiring :				
i)	Providing wiring for RAW Power outlet points with 3x1.5 sq mm Fire Retardant low smoke PVC insulated 1100V copper conductor wires in 20mm dia, heavy duty FRLS PVC conduit or casing & capping with accessories run above false ceiling and partitions/wall/floor including supply & fixing 1 No. 6A, 5 pin universal socket modular with 1 No. 6A SP switch with indicator with Modular switch,socket , box accessories. etc.for the maximum two circuits in each conduit from RAW Power DB. Rate to include for concealing the conduit and switch box in wall/Work stations with necessary connections as directed.(the wiring to the points is to be brought directly from one of the	40	Pt.	1160.00	46,400.00
ii)	Providing wiring for RAW Power outlet points with 3x1.5 sq mm Fire Retardant low smoke PVC insulated 1100V copper conductor wires in 20mm dia, heavy duty FRLS PVC conduit or casing & capping with accessories run above false ceiling and partitions/wall/floor including supply & fixing 1 No. 6A, 5 pin universal socket modular with 1 No. 6A SP switch with indicator with Modular switch,socket , box accessories. etc.for the following. Maximum two circuits in each conduit from primary point. Rate to include for concealing the conduit and switch box in wall Sockets with box to be provided below table and control switches above table as directed.(the wiring to the points is to be	60	Pt.	660.00	39,600.00
	Note: 1) Maximum up to 3 looped extension can be given from one primary Raw power point for work stations.				
5.14	Providing extension to the existing point 3 x 1.5 sq.mm. copper conductor PVC insulated wires in 20/25 mm PVC casing capping and accessories to be fixed on ceiling/wall/column and providing modular type 3 pin ceiling rose to be fixed on PVC box all complete with connections	1	Pt.	340.00	340.00

5.15	Wiring for group controlled (looped) light point/fan point point (6 to 8 point without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed FRLS conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required	4	Pt.	486.00	1,944.00
5.16	UPS Point Wiring :				
i)	Providing wiring for UPS outlet points with 3 x2.5 sq mm Fire Retardant low smoke PVC insulated 1100V copper conductor wires in 20/25mm dia, heavy duty PVC conduit or casing & capping with accessories run above false ceiling/ in partitions/wall/floor including supply & fixing 3 Nos. 6A, 5 pin universal socket with 1 No. 16A SP switch all are of MODULAR type model, for the following. Maximum two circuits in each conduit from UPS DB. Rate to include for concealing the conduit and Switch box in wall/panel Sockets with box to be provided below table and control switches above table as directed. -	16	pt.	1481.00	23,696.00
ii)	Providing wiring for UPS outlet points (in loop with first raw point) with 3x1.5 sq mm Fire Retardant low smoke PVC insulated 1100V copper conductor wires in 20/25mm dia, heavy duty PVC conduit or casing & capping with accessories run above false ceiling/ in partitions/wal/floor including supply & fixing 3 Nos. 6A, 5 pin universal socket modular with 1 No.16A SP Modular switch,socket , box accessories. etc.for the following. Maximum two circuits in each conduit from primary point. Rate to include for concealing the conduit and switch box in wall Sockets with box to be provided below table and control switches above table as directed.(the wiring to the points is to be brought	24	pt.	888.00	21,312.00
	Note: 1) Maximum up to 3 looped extension can be given from one primary UPS point for work stations.				
6.00	Fittings & Fixtures :				
6.01	Supply & fixing of recessed type 12 W LED down light luminaire comparable to Crompton Greaves Quartz LCDE-12-CDL Light fitting.	4	each	543.00	2,172.00
6.02	Supply & fixing of recessed type 36 W LED luminaire suitable for 600 mm x 600 mm ceiling including LED light comparable to Crompton Greaves polaris I LCTLRN-36-FO-CDL.	66	each	2702.00	1,78,332.00
6.03	Supply & fixing of 18 W LED tube light fittings with tube comparable to Crompton Greaves Trim Linea LCTL-18-CDL.	22	each	552.00	12,144.00
6.04	Supply & Fixing of Surface Mounted 2 Feet 10 Watt LED light fittings including all accessories connections at either end and earthing as directed (Comparable to Cat no.LL20-111-XXX-65-NE of WIPRO Make)	1	each	400.00	400.00
6.05	Supply & Fixing of LED COB spot light 3W with luminous efficacy of 80lm/W, CCT 3000K, CRI>80. The beam angle of the spot is 36°. The product must operate within a voltage range of 220-270V AC and have lifetime of 20K burning hour @L70B50. There should be metal heat sink present in the material and the luminaire should have BIS approbation. Rate to include all accessories and connections at either end and earthing and as directed. (Comparable to Philips Astra COB 3W)	24	each	708.00	16,992.00
6.06	Supply & fixing of LED strip surface type with driver etc. and all standard accessories. Rate to include all accessories and connections at either end and as directed. (Cat Ref: Skycove 5 meter strip WW/CDL of Philips or its equivalent approve make)	10	Each	1397.00	13,970.00
6.07	Supply and fixing of 450 mm High Speed complete metal body wall mounted fan with pull cord including all accessories and connections at either end earthing and as directed	33	each	4631.00	1,52,823.00
6.08	Supply and fixing of the energy efficient 48" (1200mm) size High Speed BEE preferably Star rated Ceiling fan without regulator. Rate to include down rods of standard length (upto 30 cm) and all accessories and connections at either end and earthing and as directed. (White / Brown / Ivory)	7	each	1954.00	13,678.00
6.09	Supplying and fixing stepped type electronic (2 Module) fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required	7	each	300.00	2,100.00

6.10	Providing U type ceiling fan hook to be fixed in the ceiling by using 2 Nos. heavy duty anchor fasteners, bolts etc. as directed	7	each	372.00	2,604.00
6.11	Supply and fixing of 305mm heavy duty exhaust fan with bird guard with necessary ply & wooden frame work in the toilets / Dining room with accessories including connections and earthing.	3	each	1637.00	4,911.00
7.00	Earthing:				
	GI pipe earthing :				
7.01	Providing GI pipe earthing with 4.5 Mtr. long 40mm dia. B Class GI electrode pipe with holes drilled including charcoal, salt etc., in alternate layers up to the required level, complete earth excavation with brick work masonry chamber, plastering, earth lead connecting strip, funnel set, chamber cover etc. complete as per IS: 3043-1966 or latest Version.	1.00	set	4700	4,700.00
7.02	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required from earth pit to the Main L T panel.	75.00	RM	167	12,525.00
	Copper plate earthing:				
7.03	Providing copper plate earthing with 600 x 600 x 3mm copper plate earth electrode including charcoal, salt etc., in alternate layers upto the required level, complete with earth excavation, brickwork masonry chamber, plastering, GI pipes for taking earth lead and watering , funnel set, chamber cover etc. complete as per IS: 3043-1966 or latest Version.	1.00	set	10445	10,445.00
7.04	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required from the earth pit to the UPS Room.	75.00	RM	228	17,100.00
SUB TOTAL (ITEM No. - 4.00 to ITEM No. - 7.00) =					11,70,361.00
8.00	DATA CABLING & TELEPHONE WIRING				
	Telephone wiring				
8.01	Supply & laying 2 pair 0.5 mm dia copper conductored PVC insulated telephone wire in 25mm dia. heavy duty FRLS PVC conduits with acc. fixed to the ceiling / wall/floor using clamps etc. including supply and fixing RJ-11 telephone outlets of modular type with GI box,plate etc., Multiple wires in the each conduit to be considered.	15	pt.	888.00	13,320.00
8.02	Supply & fixing 20 pair 0.50 mm dia copper conductored PVC insulated telephone cable in Suitable size FRLS PVC conduit/PVC Casing & Capping from EPABX to 20 pair Tel. Junction box.	45	RM	159.00	7,155.00
8.03	Supply & fixing 20 pair krone type Telephone junction box with telephone connectors neatly punched. Rate to include for terminations.	1	set	665.00	665.00
	LAN wiring:				
8.04	Supply & Laying of UTP CAT 6 PC Cable in PVC heavy gauge FRLS conduit or casing & capping of suitable size up to 25 mm dia/ width and in each conduit/casing with accessories in partition/surface / concealed/in the floor in concealed manner as directed including I/O box.(Max. 4 runs of UTP can be run in each conduit) and connection to I/O boxes. Rate to include for chasing the wall /surface/floor and making good the damages.	35	Sets	1457.00	50,995.00
8.05	Supply & laying of computer LAN CAT-6 UTP cable in existing conduit from Server room to switch rack cross connections/ LAN points with connections.	50	RM	39.00	1,950.00
8.06	Supply and laying Heavy gauge FRLS PVC conduit and conduit accessories of following sizes on surface / concealed manner as directed in walls/ceiling				
i)	25mm dia size	10	RM	80.00	800.00
ii)	32 mm dia size	5	RM	133.00	665.00
iii)	16 mm dia. Corrugated PVC flexible conduit.	30	RM	16.00	480.00
	LAN NETWORK ACCESSORIES				
8.07	Supplying & Fixing of 9U DATA RACK complete including PDU, exhaust fan, necessary number of trays for Router, Modem, Switch, power strip, etc. with incoming & outgoing connections & all accessories suitable for above Data cabling. (CAT- 6)	2	Nos	6550.00	13,100.00

8.08	Supply Installation Testing commissioning of 24 Port Patch Panel for Cat 6 UTP Cable in existing Modem Rack including connection etc as required.	2	Nos	6061.00	12,122.00
8.09	Supply and fixing of 1 metre CAT-6 4 pair patch/mounting cord.	35	Nos	273.00	9,555.00
8.10	Supply and fixing of 2 metre CAT-6 4 pair patch cord.	35	Nos	205.00	7,175.00
SUB TOTAL (ITEM No. - 8.00) =					1,17,982.00
9.00	AIR-CONDITIONING WORK				
9.01	Supply, Installation, testing and commissioning of 1.5 TR Hi wall split AC unit with all accessories suitable for operation with 230 Volt +/- 10%, 50 HZ, single phase AC supply with remote control. (Quote the rate for BEE labelled energy efficient at least 5 STAR Inverter Compressor and above rated machine and Copper condensing and cooling coil only). (Rate shall be inclusive of Refrigerant piping and control cable up to 3 Mtrs of length) length with remote control etc. Any of the following make to be used which confirm the specification Make: Voltas / Blue Star/ Carrier / Hitachi.	1	Set	42,182.00	42,182.00
	The rate of above 1.5 Tr shall be inclusive of necessary fixing arrangement for mounting of the indoor & out door units, interconnection from indoor to outdoor units, minor civil works as required etc. complete. The refrigerant pipe & control cabling between IDU & ODU. Extra length of refrigerant piping will be paid extra. The make of the AC units shall be of Voltas / Blue Star / Carrier / Hitachi make.				
9.02	Providing & Fixing of refrigerant copper pipe of required size with nitrile rubber insulation for 1.5 TR A.C. Units complete with all accessories including incoming and outgoing cable connections. (Cable Make: Finolex, Fort Gloster, CCI, RR Kable). Please note suction & discharge line of each compressor will be treated as one circuit.	6	RM	607.00	3,642.00
9.03	Providing & fixing of 25mm dia PVC rigid drain pipe with all accessories etc. complete on wall/ beam/ ceiling in concealed manner by chasing wall/ floor/ on surface including providing of U trap & heat insulation to avoid sweating/ condensation specially above false ceiling.	25	RM	83.00	2,075.00
9.04	Supply, installation, testing & commissioning of 11 TR ceiling suspended DUCTABLE type Air conditioners having 3 phase scroll twin compressor with all accessories required for respective units, suitable for operation on 3 phase 415 volts + 10 % AC supply with floor mounted compressor fitted indoor units and outdoor type condensor units, microprocessor based control panel etc of Voltas / Blue Star / Carrier / Hitachi make. The ceiling suspended ductable unit will have twin/multi compressor and suitable for R410A green gas. The costs shall be inclusive of installation of indoor units with ceiling suspended indoor & outdoor type compressor units. The indoor units shall be suspended with ceiling by means of dash fasteners, 12 mm dia M.S rods with check nuts. Otherwise, making a hook of 12 mm dia M.S rod for locking with reinforcement of the ceiling & plastered to original finish & canvass connections between evaporating units & plenum / mouthpiece, or as directed complete with all accessories. It is to be ensured that there are no vibrations caused by the machine.	3	Set	153000.00	4,59,000.00
	The outdoor unit is to be installed on suitable size of M.S stand made out of M.S channel / angle etc. on terrace / on chajja / on outer wall as directed as per site condition, its legs grouted by using cement & sand etc. strong enough to take the load of machines including providing of refrigerant gas, vibration pads, painting of stand, interconnecting cable between IDU & ODU etc. complete with incoming and outgoing connections. (Angular frame work will be provided separately).				

9.05	Supply, installation, testing & commissioning of refrigerant piping with hard drawn copper pipe including providing necessary Ball insulation valve, Expansion valves and catch-all-driers, insulating the refrigerent line with nitrile rubber. The nitrile rubber in tube from shall be sleeved on the pipes. On piping slit opened tube from insulating materials shall be placed over the pipe and adhesive shall be allpied as suggested by the manufacturer. Wherever flat sheets shall be used it shall be cut out in correct dimensions using correct tools. All longitudinal and transverse joints shall be sealed as per manufacturer recommendations. All joints shall be sealed by providing 6 mm thick, 50 mm wide nitrile rubber tape. The insulation shall be continous over the entire run of the piping, fittings and valves. Please note that suction & discharge line of each compressor will be treated as one circuit.				
i)	11 TR	45	RM	1000.00	45,000.00
9.06	Supply, installation, testing & commissioning of 12 mm thick rigid board of fibre glass having density of 48 kg/ m3 for acoustic duct insulation to GI ducting. The insulation panels shall be fixed to the sheet metal with cold setting adhesive compound. The innermost surface shall be covered with fibre glass tissue and 28 gauge perforated aluminium sheet having at least 15 percent perforations. The aluminium sheet shall be screwed using cup washer and nearly finished to give true insiude surface. In case frame work is needed, GI channel frame work of	160	Sqm	400.00	64,000.00
9.07	Supplying, fabricating & installation of galvanised steel sheet (SAIL / TATA / JINDAL / ESPAT) duct including providing M.S angle support, flanges, hanger rods & making good the damages etc. complete with vibration insulation pad between the duct & support of following gauge / size				
i)	22 Gauge	160	Sqm	620.00	99,200.00
ii)	24 Gauge	240	Sqm	600.00	1,44,000.00
9.08	Supplying, installation, testing & commissioning of 13 mm thick nitrile rubber of thermal conductivity as per BS 874 PART 2-86. Dencity of nitrile rubber shall be 40-60 Kg/m3. Each lot of material delivered at site shall be accompanied with manufacturers test certificate for thermal conductivity values, dencity, watvr vapour permeability and fire properties. Adhesive used for sealing the insulation shall be non inflammable, vapour proof adhesive strictly as per manufacturers recommendation. Before laying of insulation and adhessiv , duct surfacew shall be cleaned to remove all grease, oil, dirt etc. Proper care is to be taken while cutting the nitrile rubber sheet so that 90 degree cut in thickness is achived. All longitudinal and transverse joint shall be sealewd by providing 0.6 mm thick 50 mm wide nitrile rubber	240	Sqm	564.00	1,35,360.00
9.09	Supplying, installation, testing & commissioning of Air Grills made from Extruded aluminium powder coated with matt finish of approved colour having facing adjustable louvers for adjusting the flows of air manually. The rate quoted should include for required screws & members to fix the grill and civil work if any.				
i)	Supply air grills with volume control dampers	8	Sqm	6634.00	53,072.00
ii)	Return air grill without dampers.	9	Sqm	5082.00	45,738.00
9.10	Providing & fixing GI volume control damper for duct.	9	Sqm	5900.00	53,100.00
9.11	Providing & fixing Alluminium power coated supply air diffusers with aluminium volume control damper.	6	Sqm	10506.00	63,036.00
9.12	Providing & fixing Alluminium power coated return air diffusers without volume control damper.	6	Sqm	9503.00	57,018.00
9.13	SITC of Fire Damper / Duct Damper. The fire damper should be made from 16 SWG GSS and having fusible link to operate in case of fire. The damper should be painted with heat resistant paint of approved colour	3	Job	7103.00	21,309.00
9.14	Supply, installation, testing and commissioning of flexible canvas connection	3	No.	1332.80	3,998.40

9.15	Providing & fixing of PVC drain pipe with all accessories etc. Complete on wall/ beam/ ceiling in concealed manner by chasing wall/ floor/ on surface including providing of U trap & 6 mm nitrile insulation to avoid sweating/ condensation specially above false ceiling				
i)	50 mm dia	30	Rmt	163.20	4,896.00
ii)	40mm dia	30	Rmt	140.80	4,224.00
9.16	Frame work: Supply, fabrication and installation of base frame / platform for all out door units in different floor as required installation/supporting complete with suitable size Angle Iron frame, hangers etc. out side of abaldd. After cutting of RCC / vitrified / brick wall & mending good the damages, vibration pads, supports, hangers, railing, brackets, 2 coats of red oxide paint complete in all respect including welding / civil works etc. Size of frame is adequate enough for maintenance work including safety of the installation. Drawing will be approved by LIC before work. (Including lifting of AC units with necessary scrapholding etc)	300	Kg	120.00	36,000.00
SUB TOTAL (ITEM No. - 9.00) =					13,36,850.40
FIRE ALARM SYSTEM					
10.01	Supply testing erection and commissioning (STEC) Optical smoke detectors with MS junction box, screws,etc., and to be fixed above & below the false ceiling.	37.00	set	1400.00	51,800.00
10.02	Do as above but Supply, testing,erection and commissioning of Heat Detector.	3.00	set	1400.00	4,200.00
10.03	Supply, installation, testing & commissioning of 4 Zone Auto Dialer Fire Alarm Control Panel working on 230 Volt AC , complete with 7 AH 24 Volt DC SMF Battery back up of Exide make with battery charger arrangements complete with connection	1.00	set	20000.00	20,000.00
10.04	STEC remote response indicator to the respective optical smoke detectors. The same shall be fixed to the false ceiling / wall partitions with proper fixing accessories.	7.00	each	116.00	812.00
10.05	STEC manual call Point (MCP) with break glass and push button in circular / square metal enclosure marked "In case of Fire break glass".The same shall be provided with cable entry and painted with 2 coats of red oxide and 2 coats of PO RED enamel paint	2.00	set	732.00	1,464.00
10.06	Supply & fixing tone electronic hooters on walls / ceiling with proper fixing acc., connected to the control panel amplified to produce evacuation tone.	2.00	each	525.00	1,050.00
10.07	Supplying & laying 2 Core 1.5 sq.mm copper conductor XLPE insulated Armoured cable with inner & outer seath FRLS insulation, on surface of ceiling, wall using clamps and terminations as directed. For flow meter to Panel connection	250.00	RM	138.00	34,500.00
10.08	Supply & Fixing of Photo Illumination EXIT Locator and Arrow indicator	4.00	No.	659.00	2,636.00
SUB TOTAL (ITEM No. - 10.00) =					1,16,462.00
Total Comprehensive Annual Maintenance Contract (CAMC) for all the AC units (Fixed Rate)					2,32,924.00
Fixed Rate for Comprehensive Annual Maintenance Contract for all the AC units for Five years after completion of 1					
1	11 TR Ductable Split AC unit.				
a	First year	3	No.	17,600.00	52,800.00
b	Second year	3	No.	18,600.00	55,800.00
c	Third year	3	No.	19,600.00	58,800.00
d	Forth year				61,800.00
e	Fifth year	3	No.	21,600.00	64,800.00
2	1.5 TR Split AC unit.				
a	First year	1	No.	1,800.00	1,800.00
b	Second year	1	No.	2,000.00	2,000.00
c	Third year	1	No.	2,200.00	2,200.00
d	Forth year	1	No.	2,400.00	2,400.00
e	Fifth year	1	No.	2,600.00	2,600.00
Total CAMC for all the AC units (Fixed Rate)					3,05,000.00
CAMC of FIRE ALARM SYSTEM					
Item No.	Description	Qty	Unit	Rate	Amount

3	Fixed Rate for Comprehensive Annual Maintenance Contract of entire Fire Alarm System for Five years after completion of 1 year Defect Liability Period. GST will be paid extra.				
a	First year	1	Job	4,669.00	4,669.00
b	Second year	1	Job	4,902.00	4,902.00
c	Third year	1	Job	5,147.00	5,147.00
d	Forth year	1	Job	5,404.00	5,404.00
e	Fifth year	1	Job	5,674.00	5,674.00
Total CAMC for Fire Alarm System (Fixed Rate)					25,796.00
Total CAMC for Fire Alarm System & Air-Conditioning System:					3,30,796.00
(Amount to be paid to LICl against the following buyback items for removing and taking away with Fixed rate as					
a	Removing and taking away the old Electrical Panels, MCB DB, etc. as is where is condition including transportation.	1	Lot	3,000.00	(3,000.00)
b	Removing and taking away the Switches, Sockets, Wiring etc as is where is condition including transportation.	1	Lot	2,000.00	(2,000.00)
c	Removing and taking away the old 1200 / 1400 dia ceiling fans etc as is where is condition including transportation.	20	No	200.00	(10,000.00)
d	Removing and taking away the old Wll Bracket Fan / Padestrial Fan etc as is where is condition including transportation.	10	No	150.00	(3,750.00)
e	Removing and taking away the old single / double tube light / LED light fittings etc as is where is condition including transportation.	40	No	60.00	(4,200.00)
Total Amount to be paid to LICl against the ELECTRICAL Buy Back items (Fixed Rate) =					(22,950.00)
AIR CONDINIONING BUY BACK ITEMS: Rates are exclusive of GST					
(Amount to be paid to LICl against the following buyback items for removing and taking away with Fixed rate as mentioned below. Buy back quantity as mentioned here are tentative and same may vary as per site condition. However, buy back of any items will be executed after getting prior approval of the Competent Authority)					
a	Removing and tating away the old Window AC as is where is condition including tranportation.	2	No	2,000.00	(4,000.00)
Total Amount to be paid to LICl against the Air conditioning Buy Back items (Fixed Rate) =					(4,000.00)
Total Buy Back Amount :					(26,950.00)

ABSTRACT

SI. No.	DESCRIPTION				AMOUNT
	USEFUL AREA OF MODER. = 5757 SQFT				
1.00	INTERIORS				39,67,375.56
2.00	MODULALER FURNITURE				9,91,904.00
3.00	MODULALER CHAIRS				4,90,168.00
	TOTAL CIVIL WORK				54,49,447.56
4.00	Internal Electrical Work				11,70,361.00
5.00	Data Network and Telephone Work				1,17,982.00
6.00	Air Conditioning Work				13,36,850.40
7.00	Fire Alarm Work				1,16,462.00
	TOTAL FOR ELECTRICAL WORKS				27,41,655.40
	Toilet Renovation of BM Chamber				68,167.40
				TOTAL	82,59,270.36
				ADD 5% CONTINGENCY	4,12,963.52
				TOTAL INCL. CONTINGENCY	86,72,233.88
	Total CAMC for Fire Alarm System & Air-Conditioning System (Fixed Rate)				3,30,796.00
	Buy Back Amount (Fixed Rate)				(26,950.00)