

LIFE INSURANCE CORPORATION OF INDIA, NORTH CENTRAL ZONE
SCHEDULE OF QUANTITIES

NAME OF WORK:- INTERIOR & CIVIL, AIR CONDITIONING, MODULAR FURNITURE, CHAIRS, ELECTRICAL INSTALLATION, DATA & TEL. CABLING, FIRE ALARM AT BANDA BRANCH OFFICE BUILDING, B-BLOCK, AWAS VIKAS COLONY, BANDA - 210001

<u>INTERIOR AND CIVIL WORKS</u>	
	NOTE:
1	The wooden frame & plywood / ply board used in work should be treated with antitermite chemical. i.e. 20%E.C.,with 1% concentration mixed with kerosene/oil as per manufacturer's specifications.
2	All wooden sections mentioned in the items shall be seasoned and of finished size,with +/ - variation as permissible by LATEST Indian standards.
3	Alternate vertical members of framework of full height partition shall be taken up to ceiling (Normal height upto 3.60 mtr.) and securely fixed to soffits of slab/beams. However measurements of partitions shall be taken & considered only upto false ceiling bottom. The rates quoted shall include for P/F wooden sections as per drawing upto slab/beam soffit level.include for P/F wooden sections as per drawing upto slab soffit level.
4	All lamination to be used in the work shall be 1.00 mm thk.of approved make & shade, unless otherwise specified.
5	The specifications nomenclature of item mentioned below shall have precedence over the drawings enclosed.
6	All T.W/White cedar Beading / Moulding, shall be of melamine polish of approved shade / colour & as directed.
7	All plywood & block boards wherever mentioned in the items below shall be of 1st quality phenol formaldehyde bonded conforming to IS : 710 & IS : 1659 as amended upto date. All the exposed edges of the Ply wood & ply viz., edges of desks,edges of ply/block board touching the floor shutter edges etc... shall be provided with 6mm th suitable size lipping of TW/White Cedar etc and polished with melamine.
8	All painting work shall be in two or more coats over a coat of primer & putty etc including surface preparation complete.
9	All materials incl hardware shall be of approved make only as given in List of Principal makes/brands mentioned in Tender. In case of non-availability of these makes/brands, Chief Engineer may allow materials licensed by BIS bearing "ISI" monogram subject to price adjustment. & samples of same shall be got approved before providing/fixing. The hinges shall be of ISI marked Copper Oxydised brass Hinges.
10	Polishing work to main Teakwood door shutter, T.W. capping for low height partition shall be of melamine polish of approved colour / shade i.e. melamine polish with machine spray OR as directed.
11	Irrespective of what is stated in item description , the plywood shall be of Marine Grade (BWP) as per IS : 710.

	INTERIOR AND CIVIL WORKS				
Sl. No.	Description of work	Qty.	Unit	Rate (Rs)	Amount (Rs)
1.01	P/F metal stud Gypboard (M/s India Gypsum Ltd.) false ceiling, 12 mm thick single layer gypsum board fixed on suspended G.I. Tubular channels of India Gypsum as per manufacturers specifications, including jointing, finishing with gypsum compound, jointing tape and top coat. The surface shall be duly sanded and finished. The rate shall be inclusive of making false ceiling as per designed plan and making all the necessary cutouts for lights, grills, diffusers etc. Rate shall include for providing perimeter channel for grills, lights, diffusers as called for in electrical drawing and for providing edge / angle bits at all corners, necessary taping, filling with jointing compound as per manufacturers specifications and painting with OBD in Two or more coat over 2 coats of Acrylic putty all as per drawing in desired shape and pattern. The measurement shall be taken on flat area + vertical sides of the beams and no deduction shall be made for ceiling lights, grills and diffusers.	500	Sqm.	794.00	397000.00
1.02	P/F Low ht. double skin wooden partition app. 1200mm high, with following specifications. A) Frame work of sal wood sect. 45x45mm comprising of verticals & horizontals @ 600mm c/c or part thereof bothways, fixed firmly to floors / walls etc. treated with antitermite chemicals. B) 6mm th. BWP plywood fixed on bothsides of framework, finished with 1.0mm th. lamination of approved shade and make. C) Teak wood capping drawn out of sect. 60x12mm fixed at top, incl. natural polish etc. complete.	33.00	Sqm.	4284.00	141372.00
1.03	P/F Full ht. double skin partly wooden partly glazed partition, with following specifications. A) Frame work of sal wood sect. 45x45mm comprising of verticals & horizontals @ 600mm c/c or part thereof bothways, fixed firmly to floors / walls etc. treated with antitermite chemicals. B) Bottom & top panels of 6mm th. BWP plywood fixed on bothsides of framework, finished with 1.0mm th. lamination of approved shade and make. Height of bottom panel shall be 900mm approx. etc. complete. C) 5mm th. clear float glass in middle panel fixed with Teak wood beading of sect. 30x12mm on both side incl. polishing the beading with natural polish and laminates on exposed framework. ht. of glass panel shall be about 1200mm.	115	Sqm.	3017.00	346955.00

1.04	P/F Full ht. double skin wooden partition app., with following specifications. A) Frame work of sal wood sect. 45X45 mm comprising of verticals & horizontals @ 600mm c/c or part thereof bothways, fixed firmly to floors / walls etc. treated with antitermite chemicals. B) 6mm th. BWP plywood fixed on bothsides of framework, finished with 1.0mm th. lamination of approved shade and make. etc. complete.	25	Sqm.	4223.00	105575.00
1.05	P/F Full ht. double skin wooden partition app., with following specifications. A) Frame work of sal wood sect. 45X45 mm comprising of verticals & horizontals @ 600mm c/c or part thereof bothways, fixed firmly to floors / walls etc. treated with antitermite chemicals. B) 6mm th. BWP plywood fixed on bothsides of framework, finished with 1.0mm th. lamination on one side & synthetic enamel paint on other side of approved shade and make etc. complete.	0	Sqm.	3754.00	0.00
1.06	P/F Full ht. double skin wooden partition app., with following specifications. A) Frame work of sal wood sect. 45X45 mm comprising of verticals & horizontals @ 600mm c/c or part thereof bothways, fixed firmly to floors / walls etc. treated with antitermite chemicals. B) 6mm th. BWP plywood fixed on bothsides of framework, finished with both side synthetic enamel paint of approved shade and make etc. complete.	0	Sqm.	2997.02	0.00
1.07	P/F partly glazed 39 mm thick approx 1000mm X 2100mm size door shutter made of the following - A) Salwood frame work of style, top, intermediate & bottom rail of section 25x100mm with 6 mm thick alround teakwood leaping B) 6mm th. BWP ply with 1.0mm th. Laminate on both side including glass panel area. C) Each shutter provided with 4 Nos. Bruss ISI ball bearing hinges. D) 5mm th. float glass at top panel fixed with Teak wood. beading finished with natural polish etc. complete & as directed.	12	Sqm.	3642.00	43704.00
1.08	P/F 39 mm thick door shutter made of Salwood frame work of style, top, intermediate & bottom rail of section 25x100mm with 6 mm thick alround teakwood leaping, 6mm th. BWP plywith & 1.0mm th. Laminates of approved shade on both side including 4 Nos. Brass ISI ball bearing hinges. with natural polish etc. complete & as directed.	10	Sqm.	4669.00	46690.00
1.09	P/F 39 mm thick door shutter made of Salwood frame work of style, top, intermediate & bottom rail of section 25x100mm with 6 mm thick alround teakwood leaping, 6mm th. BWP plywith 1.0mm th. Laminates of approved shade on one side & painting on other side including 4 Nos. Bruss ISI ball bearing hinges. with natural polish etc. complete & as directed.	10	Sqm.	4112.00	41120.00
1.10	P/F 30/32mm th. Solid core flush door shutter with both side 1.0mm th. Laminates of approved shade including of 4 Nos. 100m long Bruss ISI ball bearing hinges of approved make cost and conveyance of all materials labour charges all incidentals etc. complete as directed.	18	Sqm.	3754.00	67572.00

1.11	P/F 30/32mm th. Solid core flush door shutter with 1.0mm th. Laminates of approved shade on one side & painting on other side including of 4 Nos. 100m long Bruss ISI ball bearing hinges of approved make cost and conveyance of all materials labour chares all incidentals etc.. complete as directed.	0	Sqm.	3176.63	0.00
1.12	P/F Cash counter of appx. clear length of 1.65mtr with width 900mm and overall height 1180mm (approx.) made out of BWP ply 19mm th. With t.w. lipping at edges incl. T.w. decorative mouldings at front counters all as per drawing consisting of the folowing: A) 18mm th. Machine cut, machine polished black granite of approved shade at service top of 400mm width approx, fixed on 19mm th. BWP ply. Working top made of 19mm th. BWP ply & finished with 1.0mm th. Laminates of approved shade.	5	R.M.	14277.00	71385.00
	B) A drawer unit (at every 1500-1650mm length of unit) consisting of 400mm wide tea tray & two nos. of drawers below made out of 12 mm thick BWP ply at sides ,6mm thick BWP ply at bottom, 19mm thick blockboard at front and rear including cash seperation arrangement with 6mmBWP ply with telescopic type sliding channels & shelf below with shutter & a shelf all made of 19mm th. BWP ply. Front surface finished with 1.0mm th. laminates & internal surface with synthetic enamel painting over a coat of primer etc complete				
	C) Salwood foot rest of size 70x35mm , painted with synthetic enamel paint.				
	D) one sliding acrylic key board 9 readymade) with M.S. powder coated telescopic channels of approved make.				
	E) one No. stand for CPU of size 250 x600mm made of 19mm th. BWP ply & finsed with synth. enamel paint as direted.				

1.13	Side Credenza for Cash Counter (size 900x450x730): The other side of cash counter shall be provided with a side credenza for printer. At one side it shall have one drawer unit of size 400x150mm with shelf below covered with side hung shutter fixed with auto closing spring loaded hinges/Piano type hinges. other side shall have one shelf for printer's stationary covered with side hung shutter fixed with auto closing spring loaded hinge. All made as shown in drawing no.11 using 19 mm thick Marine ply with 1mm thick post lamination on all exposed faces & 2 coats of synthetic enamel painting over a coat of primer on all internal faces of side credenza. The edges of ply shall be fixed with teak wood beading polished with melamine polish , all complete as per drawing no.11. The top of credenza shall be provided with a slit for stationary with PVC lipping on the innner edges of slit. The back of credenza shall be of 9 mm thick BWP ply.	3	No.	9403.00	28209.00
1.14	P/F 12 mm th plain glass partition on counter with teak wood beading all round & with 46x35mm salwood frame including necessary cutting for service windows with all exposed edges grounded and polished etc... complete as per drawing or as directed. Portion above counter front shall be measured under this item	5	Sqm.	2962.00	14810.00
1.15	Providing and erecting partly panelled and partly glazed partitions for cash counter back & sides consisting of Malaysian sal wood frame work with frame work consisting of 45x45 mm size Malaysian sal wood member at bottom, 2nd horizontal member of size 45x45 mm at appx. 550mm lvel , 3rd member of size 45x45 mm at 1100 mm level ,4th member at 2050 mm lvl . Vertical members of size 45x45 mm shall be provided @600 mm c/c appx. upto 1150 lvl. and at corners/ alternative positiona above 1150 lvl. The frame work shall be fixed with 6 mm thick Marine ply post laminated with 1 mm thick laminate of appd. shade.& make up to 1150 mm lvl. & with 8 mm thick float glass above 1150mm lvl.with teak wood moulded beading of required size as shown in drawing no.11&12. The rate is inclusive of making provision for door opening & fixing TW lipping/moulding i/c melamine polish of required size around the frame work of opening for making rebate to recieve the door shutter.	26	Sqm.	3269.00	84994.00
1.16	Extra payable, if aluminium security grill is provided in item no. 1.14,1.15 in place of 12mm thick glass.	22	Sqm.	723.00	15906.00

1.17	P/F partly glazed 39 mm thick door shutter made of the following - A) Salwood frame work of style, top, intermediate & bottom rail of section 25x100mm with 6 mm thick alround teakwood leaping B) 6mm th. BWP ply with 1.0mm th. Laminate on both side excluding glass panel area. C) Each shutter provided with 4 Nos. Bruss ISI Butt hinges. D) 5mm th. float glass at top panel fixed with Teak wood. beading finished with natural polish etc. complete & as directed.	9	Sqm.	3874.00	34866.00
1.18	P/F Computer table of over all width 600mm & overall height 750mm made up of 19mm th. BWP ply with t.w. lipping at edges incl. painting internal surfaces with synthetic enamel paint & polishing t.w. work with natural colour polish of approved. Incl. S/F of 550x400 mm drawer unit consisting of 3nos. of equal drawers made of 12mm BWP ply at sides, 19mm th. ply at front & back and 6mm thick BWR ply bottom to be provided supported on telescopic sliding channels. C) Salwood foot rest of size 70x35mm, painted with synthetic enamel paint. D) one sliding acrylic key board (readymade) with M.S. powder coated telescopic channels of approved make. & providing cable manager as directed	3	R.M.	10614.00	31842.00
1.19	P/F 19mm th. Table/Writing top for Agents/CLIA/despach, 600mm wide & mounted on walls / partition supported on 19mm th. Verticals at 900mm c/c, made of 19mm th. BWP ply, with T.W. moulding of section 25x19mm at top & lipping at edges One sal wood foot rest of 70x35mm is to be provided Finished with 1mm th. lamination on exposed faces & painting internal surfaces with 2 coats of synthetic enamel paint over a coat of primer etc. complete as directed	16	R.M.	4325.00	69200.00
1.20	P/f Salwood frame work sect 100x60 mm, 50x50mm, 40x40mm, 65x38mm etc. verticals & Horizontals at requd. Spacing for partitions/panelling, 125x65mm sections in door frame incl. fixing the frame work to ceiling, walls etc. incl. a coat of antitermite chemical etc. complete.	1	Cu.M.	89834.00	89834.00
1.21	P/f Teakwood frame work sect 100x60 mm, 50x50mm, 40x40mm, 65x38mm etc. verticals & Horizontals at requd. Spacing for partitions/panelling, 125x65mm sections in door frame incl. fixing the frame work to ceiling, walls etc. incl. a coat of antitermite chemical etc. complete.	0.10	Cu.M.	123740.00	12374.00
1.22	P/F 19mm th. BWP Marin ply in shelves, verticals etc. wherever required. with painting as per the direction of Engineer Incharge.	10	Sqm.	2412.00	24120.00
1.23	P/F 19mm th. BWP Marin ply in shelves, verticals etc. wherever required. without painting as per the direction of Engineer Incharge.	2	Sqm.	2350.00	4700.00
1.24	P/F 12mm thick Marine ply wherever required. , all as per the direction of Engineer Incharge.	2	Sqm.	1644.00	3288.00
1.25	P/F 6 mm thick Marine ply wherever required. , all as per the direction of Engineer Incharge.	5	Sqm.	1106.00	5530.00

1.26	P/F 1mm th. Laminates of approved make & shade on existing partitions / gypsum board etc. complete & as directed.	25	Sqm.	627.00	15675.00
1.27	P/F 25 x25 mm size moulded teak wood beading including fixing the same wherever required , melamine polishing etc. all complete.	25	R.M.	94.00	2350.00
1.28	P/F 32 x12 mm size moulded teak wood beading including fixing the same wherever required , melamine polishing etc. all complete.	100	R.M.	64.00	6400.00
1.29	P/F 12 x 12 mm size moulded teak wood beading including fixing the same wherever required , melamine polishing etc. all complete.	5	R.M.	26.00	130.00
1.30	Itching work on glass of thickness upto 12 mm in approved design and pattern (excluding the cost of glass)	70	Sqm.	591.00	41370.00
1.31	P/F Hardware items including all assosories				
	a) Brass Decorative fancy handle 100 mm heavy quality	80	No.	95.00	7600.00
	b) Godrej/EBCO multipurpose lock or other equivalent ISI make subject to price adjustment	80	No.	137.00	10960.00
	c) Alu. Tower Bolt100 x10 mm(Classic/Argent/Metco)	52	No.	49.00	2548.00
	d) Alu. T. bolt 150x10 mm(Classic/Argent/Metco)	15	No.	68.00	1020.00
	e) Alu. T. Bolt 200X10 mm(Classic/Argent/Metco)	5	No.	86.00	430.00
	f) Door closer Godrej/Ozone heavy quality or other equivalent ISI make subject to price adjustment	9	No.	1227.00	11043.00
	g) Floor spring Godrej/Ozone Heavy quality or other equivalent ISI make subject to price adjustment	4	No.	3272.00	13088.00
	h) S.S Glass door handle 14" Doorset/ DoorJewels	2	Set	1908.00	3816.00
	i) Telescopic Channel 22" EBCO/ Kitch/Ozone/Hardvin	8	set	191.00	1528.00
	j) Brass hinges Piano type heavy quality	10	R.M	42.00	420.00
	k) Alu. Aldrop 250 mm(Classic/Argent/Metco)	25	No.	160.00	4000.00
	l)Godrej Mortise Lock 6 levers	4	No.	1024.00	4096.00
	m) 125 mm alu. Handle D type (Classic/Argent/Metco)	16	No.	86.00	1376.00
	n)Brass Hinges 100 mm heavy quality including Brass Screws	42	No.	132.00	5544.00
	o) Magnetic Catcher	42	No.	21.00	882.00
	p) Cable Manager with ABS plastic Cover	30	No.	54.00	1620.00
	q) Godrej Glass door lock for main entrance door or equivalent subject to price adjustment	1	No.	954.00	954.00
	r) Brass T.Bolt 75 mm for main entrance Door	4	No.	80.00	320.00
	s) Single Brass door stopper	14	No.	85.00	1190.00
	t) Auto closing Hinges (Al Behari)	2	No.	64.00	128.00
1.32	P/F 4 mm thick glass in panes of sliding/fixed/openable windows/fixed panels dully fixed with rubber gasket and coloured anodized Al. beading.	5	Sq.M.	781.00	3905.00
1.33	DO as above in item no. 1.32 but 5.5 mm thick glass.	2	Sq.M.	1121.00	2242.00

1.34	P/F cup board of height 900 and of 450 mm depth and total length as per site requirement and in multiple of approx. 1000 mm length consisting of the followings: a) Top, bottom, sides and 1 Nos. intermediate horizontal shelves , & double leaf side hung shutters all made out from 19 mm thick BWP Ply. back shall be made out of 9 mm thick BWR ply . The bottom shall be 100 mm above floor .All exposed faces of cup board including shutters shall be post laminated with 1 mm th. laminate of appd. make & shade. The skirting shall be in the laminate of diff. shade as per appd. colour scheme. Side hung shutter shall be fixed with stainless steel Auto closing spring loaded hinges . b)All exposed edges of Ply shall be fixed with teak wood lipping including melamine polish. c) Melamine polish on exposed faces of teak wood lipping/ moulding including painting with 2 coat of synthetic enamel paint over a coat of primer on all internal faces of cupboard , all complete as per drawing or as directed at site.	25.00	Sqm.	11686.00	292150.00
1.35	Supplying & fixing cup board / almirah of required length in multiple of 1000 mm length, 450 mm(deep)and 2400 (high) mm appx. consisting the following and as per drawing no.4 a) Top, Bottom, & sides of BWP Ply 19 mm thick, and 5 Nos intermediate horizontal shelves of 19 mm thick BWP Ply . Back shall be of 9 mm thick BWR ply. Bottom shall be 75 mm above floor .All exposed edges of board shall be fixed with teak wood lipping of size20X5mm with melamine polish. b) Front side hung shutters made out from 19 mm BWP Ply fixed with S.S. auto closing spring loaded hinges and all exposed faces& sides shall be post laminated with 1 mm thick laminate of appd. make& shade including skirting in 1 mm thick laminate of diff. shade as per appd. colour scheme. c) Melamine polish of beading / lipping and 2 coat of synthetic enamel painting over a coat of primer on all internal faces of almirah including fixing of all hardware fittings etc., all complete as per the direction of Engineer Incharge.	30	Sqm.	9939.00	298170.00
1.36	Supplying & fixing wall hanging storage unit of required length , depth 450 mm & height 600 mm consisting the following & fixed to the wall with MS Fastners, MS cleats. screws& bolts etc. a) Top, Bottom, , sides , 1 no intermediate horizontal shelf , vertical dividers @ 450 mm c/c or less & side hung shutters of 19 mm BWP Ply fixed with SS auto closing spring loaded hinges. back shall be of 9mm thick BWP ply. All exposed edges of board shall be fixed with 20x12mm half round teak wood moulding polished in melamine finish b) Cupboard shall be made in compartment of size 900X450X600 (approx) mm having 19 mm thick BWP Ply double leaf shutter fixed with steel piano hinges.	2	sqm	13826.00	27652.00

	c) Front (shutters) , top , bottom & 2 nos sides shall be post laminated with 1 mm thick laminate of appd. make & shade and all internal faces of storage unit shall be painted with 2 coats of synthetic enamel paint over a coat of primer.				
1.37	S/F 2 seater sofa consisting the following a) Fully upholstered / cushioned sofa in configuration of seats as directed, seat of size 560 X 560 mm each height 350 mm back 450 mm, arms 150 mm wide. b) Made out of good quality seasoned Indian Teak wood duly antitermite treated. c) Seat of good quality flat steel spring used in seat frame duly covered with coir, jute cloth and markeen and fixed with 100mm ISI mark pinhole rubber cushion of density 32kg/m3. d) Back & Arm rest of good quality flat steel spring covered with coir jute cloth & markeen fixed with 50 mm thick ISI mark pin hole rubber and high density 'U' foam for giving shape in back and arm rest. e) Lining - Good approved quality fabric / Rexine lining in approved shade in the range of Rs. 250/- per meter etc. all as directed at site.	2	Set	11913.00	23,826.00
1.38	Do as above in item no. but 3 seater sofa	2	set	17472.00	34944.00
1.39	P/F centre table made of Indian Teak wood of size 1200 x 500 mm x 450 mm comparing the following: a) Top frame 75 x 45 mm with two cut and moulded at free end. b) vertical supports in single length in oval shape or elliptical shape of 50 x 45 mm (moulded) on all four directions, horizontal face will meet, bottom frame of table top. c) Magzines/news paper tray below table top at height of 100 mm from floor, anchored with vertical support made of 40 x 40 mm outer frame and making 100 x 100 mm square with T.W. frame work of 40 x 20 mm over all size of tray may be kept 1050 x 400 mm. d) 8 mm th glass with approved itching work to fix in top frame of table in the groove. e) Table top frame shall be supporting with lower frame of size 55 x 45 mm anchored with vertical supports. f) Teak wood (Indian) will be used. g) Table will be melamine or p.u. polished h) Level adjuster shall be provided in vertical support, it would be superior quality of work, colour of melamine or p.u. will be approved by Chief Engineer.	2.00	Each	6250.00	12,500.00

1.40	P/f classic vista levelor vertical blinds with head rail made of extruded anodized high strength aluminium alloy size 50mm X 17.6 with wall thickness 1.2mm . Head rail shall house control unit, spacers,runners, tilt rod. Gap between head rail and top of louver shall not exceed 0.5mm . Head rail shall have decorative insert on either side of head rail with vista levolor printed on that .Control units shall be made of derline (celon) in the form of reduction gear mechanism tilt control and shall consist of traverse cord pullies. Chain tilter to be made of plastic bead of 4.5 mm dia through which 2 mm thick polyster cord passes(pitch shall be 6mm). Tilt rod shall be of extruded aluminium having 3 key ways. End of tilt rod shall be contained and revolve freely within end bearings. Runner shall be of moulded plastic axels to enable runner to slide unhindered in head rail and have tilt control which shall rotate louvers 180 degree unhindered in head rail. The spacer shall be moulded plastic which will help in proper spacing of the runners in the tilt rod . Brackets for installation shall be of 14 gauge galvanized spring steel . Louver shall be made of fabric in widths 100 mm and shades as per standard vista levolor shade selector as per the requirment . Fabric shall be colour fast and shall have scotch gaurd coating (as the integral part of the fabric & not to be used as an after ward spray on the fabric) to resist stains & dust. Bottom mechanism shall consist of bottom wieght made of power coated galvanised steel in diffrent widths as per the louver size & to be fixed with bottom chains having balls of 2mm and equally spaced clear clips fitted on it all as per technical specification of vista levolor.	65	sqm	1,076.00	69940.00
1.41	Dismantling of B/W of any thickness including plaster & lintel and disposal of unserviceable material from worksite to contractors own dump.	20	Cum	160.00	3200.00
1.42	Dismantling of RCC Work / PCC work incl. Disposal of unserviceable material from work site to contractors own dump.	1	Cum	372.00	372.00
1.43	Stripping out old worn out plaster upto 30 mm thickness including removal of all debris from work site to contractors own dump.	190	Sqm.	10.00	1900.00
1.44	Dismantling of flooring of thickness upto 40mm cast in situ / all type of flooring with base mortar and disposal of malba to contractors own dump.	45	Sqm.	54.00	2430.00
1.45	Dismantling of ceramic tile/mosaic or any type of skirting / dado including base mortar and disposal of malba to contractors own dump.	125	Sqm.	26.00	3250.00
1.46	Removing of PVC flooring including scraping the adhesive / cleaning of surface and removal of malba.	-	Sqm.	31.00	0.00

1.47	Removal of existing wooden/ steel door or window shutters of any type such as flush, panelled, glazed, partly glazed and wired shutter including its frame & hardware fixtures etc. and stacking the useful material at site as directed.				
	I) Doors of any size	15	Sqm.	54.00	810.00
	II) Wooden/ steel windows / ventilators of any size.	12	Sqm.	54.00	648.00
1.48	Removing of existing panelled / partly glazed / low ht. / full height Partition and refix it with necessary repairs.	5	Sqm.	266.00	1330.00
1.49	Dismantling of existing cash counter carefully & removal of dismantled material from site to contractors own dump.	6.70	RM	54.00	362.00
1.50	Dismantling of existing MS security grill from window and refix it.	5	Sqm.	106.00	530.00
1.51	Dismantling of existing partly panelled & partly glazed aluminium/ wooden /MS Grill partitions & / fixed with aluminium etc.	60	Sqm.	54.00	3240.00
1.52	Dismantling of aluminium glazed/ panelled/ security grill with MS wire mesh partitions.	30	Sqm.	26.00	780.00
1.53	Removing existing false ceiling from Micro room or anywhere else including removing of suspenders and making good to the damages.	20	Sqm.	26.00	520.00
1.54	Taking out existing damaged Orissa pattern W.C. seat/ EWC seat with all accessories & fittings i.e. flushing cistern, waste pipe, angle valve etc.	2	No.	106.00	212.00
1.55	Taking out existing wash basin and refix it on other place including all fittings i.e. waste pipe, PVC connection bottle trap, pillar tap & angle valve etc.	6	No.	266.00	1596.00
1.56	Taking out urinal pot and refix it on other place along with all accessories & fittings i.e. automatic C.I. / china ware cistern, waste pipe, and partition etc.	4	No.	212.00	848.00
1.57	Removing of existing CI pipes incl. cutting of floors and making good the damages incl. disposing of malba at contractors own dump.	5	RM	5.00	25.00
1.58	Taking out G.I. Pipe of various diameters including all fittings i.e. bends, tees etc. carefully including stacking the useful material at site.	50	Rm.	5.00	250.00
1.59	Removing Nahani trap by cutting the floors carefully and making good the damages.	6	No.	54.00	324.00
1.60	Salvage value to be given by the contractor for the following materials to be taken away by him.				
	A) C.I. Pipe with all fittings as in item no. 2.01	5	Rm.	-79.00	-395.00
	B) G.I. Pipe with all fittings as in item no. 2.05	50	Rm.	-21.00	-1050.00
	C) Wooden doors with frame	15	Sqm.	-262.00	-3930.00
	D) Wooden windows with frame	-	Sqm.	-262.00	0.00
	E) Steel windows with glazing	12	Sqm.	-315.00	-3780.00
	F) Cash counter	6.70	Rm.	-262.00	-1755.00

	G) Partly panelled partly aluminium grill partition	10	Sqm.	-315.00	-3150.00
	H) Wooden panelled / glazed /partly glazed / MS grill partitionsas	32	Sqm.	-315.00	-10080.00
	I) False ceiling	20	Sqm.	-105.00	-2100.00
	J) C.P. Brass bib tape / angle cock /pillar cock of 15 mm dia.or other CP brass fitting.	28	Nos.	-52.00	-1456.00
	K) Aluminium partition with glazing & prelaminated particle board	52	Sqm.	-525.00	-27300.00
	L)Aluminium partition with aluminium security grill& prelaminated particle board	2	Sqm.	-525.00	-1050.00
1.61	P/F designer/ decorative/ printed 1st quality ceramic tiles of group IV and above , approved make & shade, in floorig including fixing with adhesive not less than 3mm thick of approved make or C:M 1:4 20 mm th.whichever is applicable, filling the joints with white cement mixed with pigment matching the clour of tiles including making patterns as directed.				
	a) 600X 600x9.50 mm Basic Cost Rs: 50/Sft Minm	16	Sqm.	1106.00	17696.00
1.62	---do--- as in item no. 2.41 but in skirting fixed with cement slurry over a 12 mm thick backing of CM 1:3 or approved ceremic adhesive not less than 3 mm thick..				
	a) 600X 600x9.50 mm Basic Cost Rs: 50/Sft Minim	4	Sqm.	1187.00	4748.00
1.63	P/F Vitrified decorative tiles of average thickness 10 mm , size 605X605 mm (minimum) and of approved make and shade in flooring fixed with 3 mm th. adhesive of approved make or 1:3 C.M 20 mm th. whichever is applicable as per site condition & filling the joints with white cement mixed with pigment matching the clour of tiles including making desired patterns in flooring as per direction.				
	a) Basic Cost Rs: 60/ Sft Minimum	330	sqm	1174.00	387420.00
	b) Basic Cost Rs: 75/Sft Minimum	70	sqm	1444.00	101080.00
1.64	---Do--- as in item no.2.42 but in skirting fixed with cement slurry over a 12mm thick backing of CM 1:3or fixing with ceremic adhesive as per the case may be..				
	a) Basic Cost Rs: 60/ Sft Minimum	35	sqm	1209.00	42315.00
	b) Basic Cost Rs: 75/Sft Minimum	2	sqm	1443.00	2886.00
1.65	Do as above in I.N. 2.48 ,but 12 mm thick prepolished white marble slab/ stripsin riser and skirting of stair case .	25	sqm	1741.00	43525.00
1.66	P/F Glass shelf 560 X125 mm near the Wash Basin with necessary screws etc. Complete.	8	Each	377.00	3016.00

1.67	P / F Collapsible steel shutter made of vertical channels of size 20x10x3 mm and diagonals of MS flat of size 20x5 mm including top and bottom rails made out of M.S. Tees of size 40x40x5 mm with 38 mm. dia steel pulleys in required nos. etc. complete with bolts, nuts, locking arrangement, stoppers, handles rollers, washers, hold fast including painting 2 or more coats of synthetic enamel paint over a coat of primer etc. all as directed.	8	sqm	5474.00	43792.00
1.68	Providing & fixing Factory made ISI marked flush door shutter approved make (35mm thick) non decorative type, solid core of block board construction with frame of 1st class hard wood & well matched commercial ply veneering with vertical grains or cross bands and face veneer on both faces of shutters including 1 mm th. post lamination on one face external side, teak wood lipping all round the shutter with two or more coats of painting with sythetic enamel paint of approved make and shade on intenal side over a coat of primer including fixing of hardware fittings with screws excluding cost of fitting & fixtures.	2	Sqm	3505.00	7010.00
1.69	Providing & fixing 600x900 mm Granite 12 mm th. urinal partitions of rounded shape. between Urinals.	3	sqm.	3169.00	9507.00
1.70	P/F door shutter for entrance gate comprising 12mm thick float glass with IInd class teak wood top 150x40 mm, bottom rails of section 200mmx 40mm and styles 100x40 mm including making grooves of size 12mmx30mm in rails for recieving glass including fixing required size teak wood moulding if required, including melamine polishing all complete as per drawing. All hardware items& floor machine shall be paid under prime cost item.	3	Sqm.	3615.00	10845.00
1.71	P/F 12 mm thick polished granite tiles of required size on 12 mm thick backing of cement mortar 1:3 as cladding on vertical surface including neat cement slurry and joint filling with white cement mixed with matching pigment.	2	Sqm.	1751.00	3502.00
1.72	P/F stainless steel kitchen sink with drain board Nirali Makewith 2 no.15 mm dia C.P. Brass long body Bib Cock, C.P brass coupling,PVC waste pipe 40 to 32 mm dia etc. complete.	1	each	6769.00	6769.00
1.73	P/L 230 mm thick B/W with bricks of class designation 75 and in CM 1:6	1.50	cum	6302	9453.00
1.74	P/L Half brick work with first class bricks of designations 75 in superstructure, partitions walls etc., in cement mortar 1:4 including providing 100 mm. thick RCC band at every 1.00 MT height of the course reinforced with 2 nos 8 mm. dia tor round bars and tie rods at 250 mm. C/C. (Steel shall be paid separately)	115	Sqm.	831	95565.00
1.75	Providing& placing Tor/TMT steel bars for reinforcement.	100	Kg.	67	6700.00
1.76	P/L P.C.C. 1:3:6 with 20mm and down gauge coarse aggregate for water cooler and in bend etc. including shuttering.	0.5	Cum	5204	2602.00

1.77	P/L P.C.C. 1:2:4 with 20mm and down gauge coarse aggregate for lintels / beams etc. including shuttering.	2.00	Cum	5858	11716.00
1.78	P/L internal cement plaster in cement mortar 1 : 4, 12 mm thick including scaffolding etc. complete.	250.00	Sqm.	128	32000.00
1.79	Preparation of surface for painting by filling, rubbing, sand papering etc. including priming coat for making it ready to receive the painting coats, all complete as per direction. Rate includes scrapping of old paint if necessary and then provide and apply 1st quality Acrylic Emulsion paint of approved brand in two or more coats over a coat of primer to give an even shade on walls and ceiling complete up to satisfaction of Engineers In- Charge.	1,750.0	sqm	101	176750.00
1.80	P/A synthetic enamel paint of approved brand and manufacturer in two or more coats to give an even shade on wood / iron work including preparation of base, filling and priming coat of primer.	280.00	Sqm	96	26880.00
1.81	P & F Glazing with 4 mm. Thick clear sheet glass to windows & ventilators in special metal putty and fixing Aluminium beading by steel screws in steel windows including removing of old damaged glass.	5	Sqm.	1024	5120.00
1.82	Taking out and refixing after necessary repairs Steel windows and ventilators fully glazed of various sizes along with guard bars , all fixtures, fastenings and hardware as per requirement including anodized aluminium beading of channel section of size 9.5 X 9.5 X 1.25mm thick screwed with zinc plated steel. screws and painting including fixing windows by holdfast grouted in PCC 1:2:4 etc. complete, all complete as per IS specification.	5.00	Sqm.	279	1395.00
1.83	Making AC opening in Walls / windows by Dismantling /cutting steel section & guard bar to accommodate AC including making necessary repairs by welding additional steel sections of required size to make a rectangular opening.	15	Nos.	556	8340.00
1.84	MS work for making security grill & AC cage etc. including fixing the same as directed at site.	300	Kg.	93	27900.00
1.85	Providing and applying O.B.D. on walls/ Ceiling in 2 or more coats including preparation of base , scrapping, sand papering, filling and applying a coat of distemper primer and 2 or more coats of OBD in desired shade.	5	Sqm.	44	220.00
	TOTAL AMOUNT OF INTERIOR AND CIVIL WORKS				3640196.00
	(C.O. TO SUMMARY)				

MODULAR FURNITURE WORK

Sr.No.	Description	Qty.	Unit	RATE	AMOUNT
	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.				

	Fabrication, Supply and installation of factory made modular work stations with 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				
1.00	PARTITIONS :				
	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: a) 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. b) 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 c) 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. d) 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. e) 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. f) 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.	40	Sqm	3800	152000
1	RC/Asstt./HGA Table/ help desk/ SBA WS/DO computer table	17	each	5601	95,217

	Providing /Placing in position free standing table of size: 1200x600x750mm & with following specification(Refer drawing enclosed with tender) Table Top : Made out of 25 mm thick plain particle board of interior grade in one peice with front/ back edge finished in half round shape & other edges finished with machine pressed 2 mm thick PVC lipping. Exposed surface of table top should be finished with 0.6 mm thick post form lamination of approved make & shade& underside of table top should be finished with 0.6 mm thick white balancing lamination of approved make . One cable manager with <u>ABS cover is to be provided.</u> Gable Ends : Made out of 25mm thick plain particle board. Exposed surfaces finished with 0.6 mm thick post form Lamination of approved make and shade. Internal surface finished with 0.6mm thick white balancing lamination of approved make & shade. The bottom of the gable end are to be provided with PVC/rubber gasket so the scractes will be avoided. The front vertical edges shall be profiled in half round shape & other edges shall have 2 mm thick machine pressed PVC lipping.The gable ends shall be with a allowance for adjustmen in hieght upto +/- 25 mm Modesty Panel : Modesty panel shall be made out of 18 mm thick Prelaminated particle board (interior grade& both side laminated) of approved shade & make . The edges shall <u>have 2mm thick PVC lipping if reqiured.</u> Key Board Tray: Made out of 1 mm thick CRCA steel sheet duly powder coated in approved clour & with provision for Mouse Tray. The key board tray shall be provided with telescopic slides& Size shall be 500x210x75 mm.				
2	Development Officers Table : Do as above in item no 1 but table size 1200 x 675 x 750 mm & P/F Metallic Pencil Tray for Development Officers of INOFIT/ABCO make, powder coated of min. 50 micron , size pf pencil tray shall be 450 mm x450 mmx70 mm (deep) including providing and fixing with telescopic channels etc. all complete as directed.	8	each	5986	47,888
3	AO/AOs Table:Do as in Item no.1 but size 1500X 750x750 mm & with drawer pedestal. The drawer pedestal shall be made out of 18 mm thick Prelaminated particle board (Interior Grade & both side laminated) of approved shade & make in size of 380X550x715mm having 2 nos of drawer of equal size at top & 1 nos filing unit at bottom.The inner of drawers & filing unit shall be of CRCA steel sheet 0.8mm thick duly powder coated & having proper locking arrangement, telescopic sliders & aluminium powder coated handels of approved make. All exposed edges shall be sealed with PVC edge banding tape of matching shade . Drawers & filing shall also be provided with alumimium powder coated handels of approved make & shade.	8	each	12100	96,800
4	BM/ ADM's Tables: Do as in I.N.1 but table size 1800x900x750 mm but with table top of 36 mm thickness & Drawer Pedestal of size 460x550x715 mm.	1	each	17200	17,200

	The drawer pedestal shall be made out of 18 mm thick Prelaminated particle board (Interior Grade & both side laminated) of approved shade & make in size of 460X550x715mm having 2 nos of drawer of equal size at top & 1 nos filing unit at bottom. The inner of drawers & filing unit shall be of CRCA steel sheet 0.8mm thick duly powder coated & having proper locking arrangement, telescopic sliders & aluminium powder coated handels of approved make. All exposed edges shall be sealed with PVC edge banding tape				
5	Side Unit cum Printer Table (for Officers/Staff): Size 900x450x722mm Top of side unit shall be made out of 25 mm thick particle board of interior grade finished with post form lamination of 0.6mm thick on exposed surface & balancing lamination of 0.6 mm thick on inner surface. The front edge of top should be profiled in half round shape to match with the tables. The top shall have a slit of size 400X32mm for printers stationary. The sides, facia, shutters, skirting, bottom & shelves of side unit shall be made out of 18mm prelaminate particle board BSL of approved make & shade. The back of side unit shall be of 12 mm thick prelaminate particle board (BSL)	33	each	5600	184,800
	One side of unit shall have one drawer at top & shutter below. The other side of unit is provided with one shelf & shutter. The shutter shall be provided with spring loaded auto closing hinges . Drawer & shutter shall be provided with proper locking arrangement with two sets of keys & powder coated aluminium handels of approved make. The facia of drawer shall be of 18 mm prelaminate particle board(interior grade & both side lamination)& inner of drawer shall be of 0.8mm thick CRCA powder coated steel sheet. Drawer shall also be fixed with telescopic sliding accessories for smooth operation . All edges of board shall be sealed with 2 mm thick machine pressed PVC lipping of matching shade etc. all complete.				
6	Side unit Cum printer Table BM/ADM: Size (1200X450X722 mm) Do as in I.N.7 but top of side unit shall be of 36 mm Plain particle board of exterior grade finished with post form lamination of 0.6 mm thick on exposed surface & 0.6 mm thick balancing lamination on inner surface. Front edge of top shall be in half round shape & slit shall be provided.	1	each	8500	8,500
7	Back side storage units: construction:				

(a)	Back side storage cabinet shall be of required length but in multiple of units of length of 900 mm or less. Vertical sides shall be @ 900c/c or less as required at site. Depth & height of units shall be 450 mm & 714 mm respectively. Bottom of unit shall be 100 mm above floor with recessed skirting. Units shall have shelves at mid height & side hung shutters fitted with spring loaded autoclosing hinges . All above construction shall be in 18 mm thick prelaminated particle board(both side laminated) of approved make & shade except back side of storage units which shall be made out of 12 mm prelaminated particle board of approved make & shade. Shutters of each unit shall be fitted with one al. powder coated tower bolt , magnetic catcher , Two nos al powder coated handles & one lock with two sets of keys . Top of cabinet shall be paid separately	3	sqm	6033	18,099
(b)	Top shall be of 25 mm plain particle board finished with 0.6mm thick post form lamination on exposed surface & balancing white lamination on inner surface. Front edge of top shall be in half round shape to match the table & side unit, other edges shall be finished with 2mm thick machine pressed PVC lipping of matching shade, all complete.	2	sqm	3772	7,544
8	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.	32	No.	600	19200
TOTAL AMOUNT OF MODULAR FURNITURE				Rs.	647248

(C.O. TO SUMMARY)

BOQ for supply of steel framed and cushioned CHAIRS

Note : The following Terms & Conditions are common for all items and Rates quoted shall be inclusive of the same :

a) All furniture shall display the "Logo" / "Monogram" of the Manufacturer / Supplier.

b) Before executing the supply order, the vendor is required to produce prototype of all different chairs to be provided for the above work without any additional cost for Chief Engineer's approval.

c) Sample of chairs made shall have to be got inspected either at vendors show room / manufacturer's assembly place before taking up manufacturing of entire lot. If any correction or amendment in type / design is required, the same shall be incorporated without any extra cost.

d) The department shall be at liberty to dismantle any part / component or to cut sample at any place for checking / verification of quality of material used. The sample may be sent for testing in the laboratory to confirm the quality. The expenditure(testing as well as cost of chair sent for testing)on this account should be borne by contractor

e) The equivalent model of various chairs are mentioned in Annexure"A" attached with the Schedule of Quantity are for reference and pattern/design of chairs. Contractors are requested to ensure that the chairs supplied are of similar to the models mentioned in the tender and description of item of various chairs and quote the rates and supply chairs accordingly.

Item No.	Description of Chair	Qty	Unit	Rate	Amount
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1.01	Providing & supplying of High back cushioned chair with following size & specifications (Similar to Godrej Model PCH – 7101R) (For CM /SBM /ADM/BM(I/) Seat size – 490mm (W) X 440mm (D) approx. Back size – 490mm (W) X 710mm (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. Fabric: The tapestry shall be of approved colour & pattern. It shall be tested for colour fastness, wear & tear and should be friendly with environment (Basic cost @ Rs. 300/- per meter) Tilting & Revolving Mechanism:	1	No.	8019	8019.00
	The tapestry shall be of approved colour & pattern. It shall be tested for colour fastness, wear & tear and should be friendly with environment (Basic cost @ Rs. 300/- per meter) The tapestry shall be of approved colour & pattern. It shall be tested for colour fastness, wear & tear and should be friendly with environment (Basic cost @ Rs. 300/- per meter) 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 3.8 cm dia & 2.0 mm thick. It should have 10 cm. Stroke length & gass pressure of 300 N force. Pedestal assembly : The pedestal shall be made of arc shaped HR Sheet (IS:DD 1079/HR) metal folded base with 2 + 0.2 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 600 + 50 mm with 5 pronged legs duly powder coated having powder coating thickness 40 to 60 microns. 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 shall be made of black integral skin polyurethane reinforced with M.S. insert & 50-70 shores hardness. The armrest shall be scratch proof & weather resistant. Armrest s are fitted to the seat with powder coated armrests bracket made of 0.5 cm thick HR Steel. Powder coating : All the steel components shall have epoxy polyester powder coating with dry film thickness of 45 microns (min).				
1.02	-Do- as item no. 1.02 above but medium back cushioned chairs and having following size: (Similar to Godrej Model PCH – 7046R) For AO / AAO / HGA / Asst / RC etc. Seat size – 450mm (W) X 420mm (D) approx. Back size – 400mm (W) X 470mm (H) approx Tilting Mechanism Permanent contract tilt mechanism with full 360 degree revolving and 14 + 2 degree maximum back tilt, upright position locking and tilt tension adjustment.	38	No	4807	182666.00
1.03	Providing & supplying low back fixed cushioned chair but having following size: (Similar to Godrej Model PCH – 7112R) For Visitors etc. Seat size – 490mm (W) X 440mm (D) approx. Back size – 490mm (W) X 470mm (H) approx Seat & Back assembly (Same as item no. 1.01 above) Fabric (Same as item no. 1.01 above) Tubular frame : The tubular frame is cantilever type & made of 2.54 cm + 0.03 cm dia. X 0.2 + 0.016cm thk M.S. E.R.W. tube and black powder coated (DFT 40-60 microns). Polyurethane armrest : (Same as item no. 1.01 above) Powder coating : (Same as item no. 1.01 above) Seat size –450mm (W) X 440mm (D) approx. Back Size -450mm (W) X 470mm (H) approx.	53	No	4564	241892.00

	Total Amount of Chairs				432577.00

(C.O. TO SUMMARY)

ELECTRICAL INSTALLATION WORK					
Sr. No.	Description of Item	Qty	Unit	Rate(Rs)	Amount (Rs.)
1.0	MAIN PANEL BOARD.				
	Supply, installation, testing and commissioning of meter panel fabricated with suitable size angle iron frame work, MS channel mounting base and 16SWG CRCA sheet steel, cubical type floor mounted, vermin & dust proof including providing detachable type doors. The panel shall be painted with 2 coats of synthetic enamel paint of approved shade both inside & outside. The control panel shall be compartmentalized separately for MCCBS, change over, bus-bars & MCB's etc.. The panel doors should have knobs for opening & closing. The panel shall comprise of following :-	1.0	Set	103444.00	103444.00
i)	160A, 415V, 4P, MCCB of 25 kA B.C with switched neutral, with adjustable thermal magnetic release - 01 no				
ii)	63A, 415V, 4P, MCCB of 16 kA B.C with switched neutral, with adjustable thermal magnetic release - 06 no				
iii)	63Amp, 415V, TPN MCB, 'C' series with 10 ka B.C - 01 nos.				
iv)	200 Amp. front operated (I-O-II type), 415Volt, 4 pole cubical on load changeover - 01 no				
v)	100 Amp. front operated (I-O-II type), 415Volt, 4 pole cubical on load changeover - 01 no				
vi)	32Amp, 230V, DP MCB, 'C' series(10kA B.C.) - 08 nos				
vii)	LED Indicating Lamps for Phase Indication - 03 nos				
viii)	Digital multifunctional meter with required C.T's and accessories complete for display of Voltage, Current, Power Factor, Active and reactive power, control fuses etc.---01 Set				
ix)	Main copper Bus bars of minimum 200 Amp and loop bus bars of required rating along with Resin Cast insulators etc. as required are to be provided				
	Note : The panel should have provision to take incoming cable from UPSEB,DG set & outgoing for Floor panels, DBs Fire panel, pump room etc .A drawing should be prepared by thecontractor & got approved from the competent authority.The panel should have provision for fixing 1no. 3-ph. energy meter (CT operated) with 3nos. I.C Cutouts of 200A & 1no. Neutral link. if required by UPSEB and spare sealing box of suitable size with hinged cover for energy meter to be provided, if required.				
2.0	Mains & Submains				

i)	S/L of 4 x 10.0 sqmm (FR) + 2 x 4.0 sq.mm (FRLS) PVC insulated Cu. wire (multistranded) in Medium duty FRLS PVC Conduit with all accessories such as covers, bends, junction box etc. partly to be fixed on surface of column/beam and partly to be concealed in the wall by chasing of wall and mending good the damage incl. connection.	65	Mtr.	584.00	37960.00
ii)	- do - as above but with 4 x 6.0 sq. mm (FRLS) + 2 x 2.5 sq. mm.(FRLS)	70	Mtr.	394.00	27580.00
iii)	- do - as above but with 4 x 4.0 sq.mm (FRLS) +2 x 2.5sq.mm.(FRLS)	110	Mtr.	306.00	33660.00
iv)	- do - as above but with 2 x 6.0 (FRLS)+ 1 x 2.5 sq.mm.(FRLS)	100	Mtr.	236.00	23600.00
v)	- do - as above but with 2 x 4.0 sq.mm (FRLS) + 1 x 2.5sq.mm.(FRLS)	160	Mtr.	189.00	30240.00
vi)	- do - as above but with 2 x 2.5(FRLS) + 1 X 1.5 sq. mm.(FRLS)	35	Mtr.	158.00	5530.00
vii)	- do - as above but with 3 x 1.5sq. mm. (FRLS)for computer points.	165	Mtr.	139.00	22935.00
viii)	- do - as above but with 6 x 1.5sq. mm.(FRLS) for computer points.	170	Mtr.	183.00	31110.00
3.0	DISTRIBUTION BOARDS				
	Supply / fixing of Double door type Distribution Boxes along with MCBs, including concealing of enclosure in wall and making good the damages including making connections at both ends with suitable size of lugs and interconnections, earthing etc.				
a)	3-Phase (4Way/ph.) ETPN DB complete with bus-bar Din Channel, neutral & earth link and consisting of following MCB's (AC/Power) :-	5	Set	10,345.00	51725.00
i)	63 Amp., TPN MCB (C - series), 10kA B.C - 01 no				
ii)	20/25/32Amp, DP MCB ('C' series), 10 kA B.C - 06 nos				
b)	12 way SPN MCB DB complete with bus-bar Din Channel, neutral & earth link with following MCB's for UPS output.	4	Set	5,616.00	22464.00
i)	32 Amp. DP MCB ('C' series), 10 kA B.C - 01 no				
ii)	6-32 Amp. SP MCB ('C' series), 10 kA B.C - 10 nos				
c)	12-way SPN MCB DB complete with bus-bar Din Channel, neutral and earth link with following MCB's (Light/Fan) :-	3	Set.	8,112.00	24336.00
i)	40A, 100mA. sensitivity, DP RCCB - 01 no				
ii)	32Amp. DP MCB ('C' series), 10 kA B.C - 01 no				
iii)	6-32 Amp. SP MCB ('C' series), 10 kA B.C - 08 nos				
d)	8-way SPN MCB DB complete with bus-bar Din Channel, neutral and earth link with following MCB's :-	1	Set	6,916.00	6916.00
i)	40A, 100mA. sensitivity, DP RCCB - 01 no				
ii)	32 Amp. DP MCB ('C' series), 10 kA B.C - 01 no				
iii)	6-32 Amp. SP MCB ('C' series), 10 kA B.C - 04 nos				
e)	4-way SPN MCB DB complete with bus-bar Din Channel, neutral and earth link with following MCB's :-	1	Set	2,867.00	2867.00

i)	32 Amp. DP MCB ('C' series), 10 kA B.C - 01 nos				
ii)	6-32 Amp. SP MCB ('C' series), 10 kA B.C - 02 nos				
4.0	CIRCUIT & POINT WIRING				
	The rates are inclusive of circuit wiring with 3 X 2.5 Sq.mm (FRLS) insulated multistranded Cu. wires in Medium duty FRLS PVC conduit with all accessories such as junction box, covers, bends, etc. partly on surface of column/beam & partly to be concealed in the wall. The rates are inclusive of providing switch, socket, bell push, ceiling rose (Modular) in Modular MS Box concealed in walls/partitions incl. making good all damages. The ceiling rose/bulb holder etc shall be fixed on wooden round block. The junction boxes should be covered by hylum sheet.				
a)	Providing Light/Fan/Exhaust fan point wiring with 3x1.5sq. mm PVC insulated multistranded Cu wires (FRLS) in Medium duty (FRLS) PVC conduit incl. S/Fixing of 6 /10 A modular Switch, ceiling rose, Modular MS box, cover plate etc. complete.	100	Pt.	849.00	84900.00
b)	Providing wiring as above for Call Bell Point incl. S/F of Bell Push and electronic musical call bell.	2	Pt.	938.00	1876.00
c)	Providing wiring as in Item No.4(a) above but for Plug point on the same switch board. incl. 6 Amp 5 pin socket & 6A/10A. switch Modular.	20	Pt.	337.00	6740.00
d)	Providing wiring for Plug point away from the switch board with 3 x 1.5 sq.mm. PVC insulated FRLS multistranded Cu wires in Medium duty FRLS PVC conduit including S/fixing of 6A, 3/5Pin socket & 6A/10A. Switch on 3 module MS Box, with front and base plate complete.	30	Pt.	948.00	28440.00
e)	Supply and fixing of 3 nos. 5pin, 6A socket (Modular) on 6-Module MS Box with front and base plate & 3nos.6/10A switch (Modular) on 3-Module MS Box with base and front plate to be fixed on partitions/wall in concealed manner including connections.	40	No.	1,061.00	42440.00
5.0	STAIRCASE LIGHT POINTS				
	Providing wiring for Staircase light point and light point at Mumty Room with 3 x 1.5 sq.mm. PVC insulated multistranded (FRLS) Cu. wire in medium duty FRLS PVC conduit with accessories incl. S/F of 6/10A modular switch, ceiling rose, Modular Box etc in concealed manner with front and base plates incl. connection. The connection is to be taken from DB for staircase.	2	Pt.	930.00	1860.00
6.0	FITTINGS AND FIXTURES				
a)	Supply/fixing of Mirror Optic Light Fittings, 595 X 595 mm with 2x36W PL with electronic choke, all accessories and mirror optic reflector, on false ceiling complete in all respects with necessary support from ceiling. The connection shall be made by providing 3 x 1.0sqmm. Cu.wires. (The make and Model of the light fitting shall be got approved from the competent authority before procurement of the same)	55	No.	4,451.00	244805.00

b)	Supply/fixing of Down Ligter Fittings with 1x18 W PL / CFL with choke, mirror optic reflector and all accessories on false ceiling complete in all respects with necessary support from ceiling. The connection shall be made by providing 3 x 1.0 sqmm. Cu.wires. (The make and Model of the light fitting shall be got approved from the competent authority before procurement of the same)	20	No.	1,137.00	22740.00
c)	Supply. Installing, Testing and commissioning of 1X36 watt, pre-wired fluorescent fitting, box type with all accessories, electronic choke and tube etc. complete directly on ceiling / wall including connections with 1.5 sq.mm FRLS PVC insulated copper conductor, single core cable and earthing etc as required.	20	No.	1,002.00	20040.00
d)	- do - as item no 6(c) but with 20mm. dia MS Down Rod(1.5ft long) Ball socket, Round Block,check nuts, screws etc.	1	No.	1,146.00	1146.00
e)	- do - as item no 6(c) but with 20mm. dia MS Down Rod(2.0 ft long) Ball socket, Round Block,check nuts, screws etc.	1	No.	1,163.00	1163.00
f)	Supply and fixing of Wall Fan of 400mm. Sweep with metal blade (make Usha/Orient/Bajaj/ Almonard/Crompton make).	30	No.	2,811.00	84330.00
g)	Supply, Installation, Testing and commissioning of 1400mm ceiling fan (but with-out regulator) capacitor type complete with 30cm down rod, canopies, hanging shackle, including providing and fixing phenolic laminated sheet cover in the fan box, blades, double ball bearing type (Energy saver) suitable for use on 220/240 Volts, 50HZ sinle phase A.C supply including wiring the down rod with 1.5 sq.mm FRLS PVC insulated, copper conductor, single core cable etc. as required.:(Only energy saving efficient ceiling fans, consuming $\leq 60W$ & CMM ≥ 240 shall be used). (Usha/Orient/Bajaj/ Almonard/Crompton make).	4	No.	1,902.00	7608.00
h)	Supply and fixing of Fan Regulator step type (Modular, 2 module) 100 watt, with MS Modular Box, Cover Plate etc including connection. (Ref code 21496 of Anchor Roma or other approved make)	4	No.	470.00	1880.00
i)	Supply and fixing of 300 mm. Dia. Heavy Duty Exhaust Fan incl. Al. Louvers complete with blades, mounting frame, to be erected on the ventilator or as directed with necessary wooden frame work and blocking the opening with necessary wooden frame work with 6mm. thick plywood or if fans are required to be fixed directly on the wall grouting the bolt for fixing the exhaust fans making necessary opening on wall making good the surface etc. all as required (Rate shall include for cutting hole on wall in round shane)	6	No.	3,003.00	18018.00
7.0	CABLES				
	Supply & laying of 3.5c x 95.0sq. mm. XLPE insulated PVC sheathed Aluminium Conductor armoured LT, 1.1 KV grade Cable with 2nos. 12SWG GI earth wire including making end terminations and connection with necessary cable gland, lugs etc. as followings:-				
i)	Direct in ground including excavation, sand cushioning, protective covering & refilling the trench etc as required.	15	Mtr.	818.00	12270.00
ii)	In existing RCC/HUME/METAL/DWC pipe or in open trench / loose cable for connections etc. as required.	15	Mtr.	603.00	9045.00

iii)	On wall surface with saddles/clamps/spacers etc.as required.	20	Mtr.	648.00	12960.00
8.0	EARTHINGS				
a)	Supply and making of earthing by G.I. plate electrode as per IS 3043-1987 specifications or its latest version. The work includes making of masonry chamber, supply and providing alternate layer of salt & charcoal and supply and fixing of 2.7 Mtr long G.I pipe for watering, G.I plate of size 600X600X6mm size with G.I strip of size 25 X6mm fixed on it, G.I reducer for watering pipe, making connection by means of G.I Strip 25 X 6mm with hinged G.I cover. The rates are inclusive of providing 1no. 25mmx6mm GI strip from earth plate to earth chamber including connections complete in all respect	2	No.	5,601.00	11202.00
b)	S/F of 25mm x 6 mm G I strip from earth chamber to main panel including spacers clamps saddles etc.	40	Mtr.	104.00	4160.00
c)	Supply and making of earthing by copper plate electrode as per IS 3043-1987 specifications or its latest version. The work includes making of masonry chamber, supply and providing alternate layer of salt & charcoal, supply and fixing of 2.7 Mtr long G.I pipe for watering, Copper plate of size 600X600X3mm size with 1no. 8 SWG bare cu. wire from earth plate to earth chamber., G.I reducer for watering pipe, making connection by means of 8 SWG copper wire with hinged G.I cover complete in all respects.	1	No.	10,665.00	10665.00
d)	S/F of 1no. 8 SWG bare Cu. earth wire in 15mm.'B' class GI pipe in concealed manner or on surface with saddles etc complete.	30	Mtr.	160.00	4800.00
e)	Supply and fixing of required number of HT/MV voltage danger notice boards of appropriate size and colour as per statutory requirements wherever necessary.	1	No.	107.00	107.00
9.0	S/Laying of "B" Class GI Pipe of following size to be laid in trench at road crossings/pathways passages incl.cutting the concrete if required and making good the same.				
a)	50 mm dia	5	Mtr.	295.00	1475.00
b)	100 mm dia	5	Mtr.	596.00	2980.00
10.0	S/f of following sizes MS Junction Box with stainless steel cover of locally fabricated with 16 SWG in concealed manner in wall with all accessories. Prior approval should be taken from the competent authority before installation of the J.B.'s. and covers.				
i)	150mm. x 100mm. x 50mm.	1	No.	199.00	199.00
ii)	200mm. x 150mm. x 50mm.	1	No.	282.00	282.00
11.0	S/f of following sizes MS Junction Box with Nickel Coating steel cover plate of locally fabricated with 16 SWG and to be concealed in wall with all accessories etc Prior approval should be taken from the competent authority before installation of the J.B.'s and covers.				
i)	150mm. x 100mm. x 50mm.	2	No.	129.00	258.00
ii)	200mm. x 150mm. x 50mm.	2	No.	174.00	348.00
12.0	Supply and fixing of DP MS sheet enclosure, on surface/recess, alongwith 25/32 Amps, 240 V, Double pole,C Series MCB complete with connections, testing & commissioning etc as required.	2	No.	1,113.00	2226.00

13.0	Supply and fixing of DP MS sheet enclosure, on surface/recess, alongwith 63 Amps, 240 V, Double pole,C Series MCB complete with connections, testing & commissioning etc as required.	2	No.	1,536.00	3072.00
15.0	Supply and fixing of suitable size GI box with modular plate and cover in front, on surface or in recess, including providing and fixing 25 Amp modular Socket outlet, 25 Amp starter and 25 Amp. modular MCB, connections, painting etc. as required. (AC points)	25	No.	1,846.00	46150.00
16.0	Supply and fixing of 230 volt, Double Pole ,63 Amp. Side handle type Change Over Switch including incoming & outgoing connections.	2	No.	3,488.00	6976.00
17.0	S & F earth strip of size 25x200x3.15 mm. over insulators in suitable size 16SWG MS box with hinged cover, on surface /recess, Strip shall have holes drilled for termination of dedicated copper earth wire & for earth connection to back end plug point.	1	No.	288.00	288.00
18.0	S/F of MS Fan Hook for ceiling fan of approved quality including cutting of ceiling and tying with the reinforcement.	2	No.	132.00	264.00
19.0	Supply and drawing 2 pair 0.5 mm dia FRLS insulated annealed copper conductor, unarmoured telephone cable in the existing surface / recessed PVC conduit with end termination as required.	600	Mtr.	21.00	12600.00
20.0	Supply and fixing of modular Telephone socket outlet (RJ-11) with modular plate and cover including required MS box, on surface / recess, including connections as required.	30	No.	289.00	8670.00
21.0	Supply and fixing of suitable size GI box with modular plate and cover in front, on surface or in recess, including providing and fixing 20 Amp modular switch and 20 & 10 Amp twin socket heavy duty, connections, paitings etc. as required (for power plug)	2	No.	610.00	1220.00
24.0	Dismantling of existing fans, light fixtures,MCB Distribution Boxes, electric panel, Data racks etc and handing over the same to the LIC authorities	1	Job	2,500.00	2500.00
25.0	Salvage value of existing old electric wires, Data wires, old electric switches sockets.	1	L.S	-15,000.00	-15000.00
			Total		1132070.00

C/O to SUMMARY

DATA CABLING WORK					
Sl. No.	Discription of item	Qty	Unit	Rate(Rs)	Amount (Rs.)
1	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface / recessed PVC conduit as required.	1050	R.M.	36.00	37800.00
2	Supply, installation, testing and commissioning of internet socket outlet (RJ-45) including modular base and front cover on suitable size G.I Box including connections as required.	45	No.	400.00	18000.00
3	Supply, installation, testing and commissioning of 1 mtr long CAT-6, patch cord (Factory made).	45	No.	193.00	8685.00
4	Supply, installation, testing and commissioning of 2 mtr long CAT-6, patch cord (Factory made).	40	No.	208.00	8320.00
5	Supply, installation, testing and commissioning of 5 mtr long CAT-6, patch cord (Factory made).	2	No.	277.00	554.00
6	Supply, installation, testing and commisssioning of 24 port, CAT-6 UTP, patch panel including termination, marking of data cables with ferrules etc complete as required.	2	No.	5521.00	11042.00
7	Installation, testing and commissioning of 24 port data switches including termination, marking of cables with ferrules etc complete.	2	Job	525.00	1050.00
8(a)	Supply and fixing of 6-U data rack with accessories complete.	1	No.	5792.00	5792.00
8(b)	Supply and fixing of 9-U data rack with accessories complete.	1	No.	7498.00	7498.00
10(a)	Supply and fixing of 25mm, Heavy duty FRLS PVC Conduit with accessories I.e. saddle,clamp ,PVC junction boxes etc partly on wall/slab/partition and partly in concealed manner including making good the damages as required.	150	R.M.	108.00	16200.00
10(b)	do as above but with 20mm dia.	250	R.M.	93.00	23250.00
11(a)	Supply and fixing of 6"X4" MS Junction box(16 SWG) with SS Plate cover in floor.	5	No.	293	1465.00
11(b)	Supply and fixing of 8"X6" MS Junction box(16 SWG) with SS Plate cover in floor.	5	No.	378	1890.00
	TOTAL				141546.00

C/O TO Summary

AIR CONDITIONING WORKS					
		Qty	Unit	Rate Rs.	Amount Rs.
1.0	Supply, installation, testing and commissioning of 1.5TR Split Type Air conditioners at least 3 star rated (compressor with all accessories) & wall mounting type indoor unit with remote control including laying of copper tubing suction & discharge line upto 5.0 mtr. length suitable for 230Volts +/-10% 50Hz. AC supply. MAKE: Blue Star / Carrier / Hitachi / Voltas. Please note that the condensor and evaporator of the Air Conditioner must be made of copper only.(make and model of AC are to be got approved before supply)	9	Nos.	38460.00	346140.00
2.0	Supply, installation, testing and commissioning of 2.0TR Split Type Air conditioners at least 3 star rated (compressor with all accessories) & wall mounting type indoor unit with remote control including laying of copper tubing suction & discharge line upto 5.0 mtr. length suitable for 230Volts +/-10% 50Hz. AC supply. MAKE: Blue Star / Carrier / Hitachi / Voltas. Please note that the condensor and evaporator of the Air Conditioner must be made of copper only.(make and model of AC are to be got approved before supply)	3	Nos.	45840.00	137520.00
3.0	Supply, installation, testing and commissioning of 1.5TR Window type Air Conditioners at least 3 star rated (compressor with all accessories) with remote control suitable for operation on 230volts +/-10%, 50Hz. AC supply MAKE: Blue Star / Carrier / Hitachi / Voltas.Please note that the condensor and evaporator of the Air Conditioner must be made of copper only.(make and model of AC are to be got approved before supply)	11	Nos.	31235.00	343585.00
4.0	Supply, installation, testing and commissioning of 2.0TR Window type Air Conditioners at least 3 star rated (compressor with all accessories) with remote control suitable for operation on 230volts +/-10%, 50Hz. AC supply MAKE: Blue Star / Carrier / Hitachi / Voltas.Please note that the condensor and evaporator of the Air Conditioner must be made of copper only.(make and model of AC are to be got approved before supply)	1	Nos.	35760.00	35760.00
5.0	Supply, installation, testing and commissioning of 5.0 K.V.A. automatic voltage stabilizers having high and low voltage cut off for input power supply from 140 V to 280 V along with time delay relay and output 230 Volt+/- 10% , 50Hz., AC supply (Logic Stat/BlueBird/Carrier Totline make).(make and model of stabilizer are to be got approved before supply)	4	Nos.	5403.00	21612.00
6.0	Supply, installation, testing and commissioning of 4.0 K.V.A. automatic voltage stabilizers having high and low voltage cut off for input power supply from 140 V to 280 V along with time delay relay and output 230 Volt+/- 10% , 50Hz., AC supply (Logic Stat/BlueBird/Carrier Totline make).(make and model of stabilizer are to be got approved before supply)	20	Nos.	4669.00	93380.00

7.0	Supplying & interconnecting suitable copper refrigerant piping for liquid & discharge line (hard Drawn Copper piping) with proper insulation on both the copper pipes, supports, brackets etc . As per manufacturer's specifications for the above split air conditioning units (<u>Both pipe will be measured in single length</u>)				
i)	Liquid Line and Discharge Line size ½ & ¼ inches.	45	Mtrs.	460.00	20700.00
ii)	Liquid Line and Discharge Line size 5/8 & 3/8 inches.	45	Mtrs.	630.00	28350.00
8.0	Providing and fixing of suitable MS base structures by using angle iron angle / strip etc. for Outdoor unit for the above split air conditioning units , as per design & drawing of MS structure which shall be furnished, including painting, using various steel sections etc complete.	12	Nos.	1379.00	16548.00
9.0	Supply & Laying of heavy duty PPR/PVC Drain Pipe(min.25mm Dia.) with saddles,clamping on walls partly on surface and partly in concealed manner and mending good to the damages.	70	Mtrs.	91.00	6370.00
	TOTAL AMOUNT Rs.				1049965.00
	C/O to Summary				

Please note: (i) The copper piping of split AC machines connecting indoor and outdoor units in excess of 5.0 Mtr as mentioned shall be measured and payable as per item no 7.0 of this SOQ.
(ii) The air conditioning units to be installed shall be of latest model and shall meet the BEE specifications as mentioned in BOQ at the time of installation of the same.

FIRE DETECTION AND ALARM WORKS					
Sl.no	Description of item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	Supplying , Installing, Testing and commissioning of Optical / ionisation type smoke detectors complete with base , single / twin indicators as required.	35	No	1323.00	46305.00
2	Supplying , Installing, Testing and commissioning of electronic hooter cum speaker with 4 watt out put housed in 20 SWG sheet steel encloser finished in stove enamel paint, suitable for wall mounting, complete as required.	2	No	537.00	1074.00
3	Supply, installation, testing and commissioning of mannual call point (Pill box) in MS box including push button switch with NO/NC contacts.	4	No	475.00	1900.00
4	Supplying , Installing Testing and commissioning of response indicator, housed in 16 SWG MS sheet encloser alonwith 2 mm acrylic sheet & LED.	6	No	199.00	1194.00
5	Supply, Installation, Testing and commissioning of 04 zone solid state main control panel suitable for wall / floor mounting incorporating audio/ visual indication for each zones, 2 no 12 V ,7.5 AH maintenance free batteries, zone cards, hooter, complete as required.	1	Set	12151.00	12151.00
6a	Supplying, laying and fixing of one number PVC insulated and PVC sheathed / power cable of 1.1KV grade of following size on wall surface / recess as required including all accessories complete. 3core X 1.5 Sq.mm Armoured copper cable.	250	R.M.	130.00	32500.00
7a	Supplying & fixing of 20 mm. dia. Heavy duty FRLS PVC Conduit on surface/wall/beam/concealed with proper support etc. and making good the damages.	10	R.M.	93.00	930.00
7 b	Supplying & fixing of 25 mm. dia. Heavy duty FRLS PVC Conduit on surface/wall/beam/concealed with proper support etc. and making good the damages.	20	R.M.	108.00	2160.00
7c	DO as above but with 20 mm. dia. PVC Flexible conduit pipe complete with coupling/glands etc. as required.	30	R.M.	31.00	930.00
8a	Supply and fixing of carbon Dioxide Fire Extinguisher of 4.5 Kg each mounted on wall hook as per IS 2878-1976.	0	No	5833.00	0.00
8b	Supply and fixing of 6 Kg multipurpose, store pressure, Dry powder type, ABC fire extinguisher as per IS.	0	No.	2757.00	0.00
Total Amount					99144.00

C/O to Summary

Toilet Renovation and Staircase Flooring					
1	Providing laying & fixing 75 mm dia C.I. soil/ waste pipes of heavy quality including cleaning eyes, bends, cowls, junctions etc. and with lead caulked joints including painting with anti corrosive bitumastic paint etc. complete.	5.00	RM.	1372.00	6860.00
2	Same as in item no. 2.21 above but 100 mm dia C.I. soil / waste pipe.	10.00	RM.	1610.00	16100.00
3	Providing and fixing 100 mm C.I. Floor trap (out let 75mm dia) of heavy quality.	6.00	Each	493.00	2958.00
4	P/f 150 mm dia CP brass jali for floor trap.	0.00	Each	56.00	0.00
5	Providing & fixing 15 mm dia GI water supply pipes of B class including all fittings, specials and painting with anti corrosive bitumastic paint for concealed pipes. All internal pipes are concealed in nature by cutting and chasing Brick work and mending good the damages etc. complete and synthetic enamel paint of desired shade for exposed pipes etc. complete. for external work.	10.00	RM.	169.00	1690.00
6	Ditto..... as in item no.2.05 above but G.I. pipe of 20 mm dia.	40.00	RM.	197.00	7880.00
7	Ditto..... as in item no. 2.05 above but G.I. Pipe of 25 mm dia.	5.00	RM.	204.00	1020.00
8	Providing & fixing Orissa pattern W.C. pan of white vitreous china with integrated foot rests size 580X430mm, fixed flush with floor including P or S traps of 100 mm dia, making necessary C.I. connection up to vent pipe with lead caulked joint etc. & including P.V.C. low level flushing cistern of 10 ltr. capacity including all internal fittings, 40 mm dia approved heavy quality P.V.C. flush pipe, bend, brackets, 15mm dia PVC ball valve with polythene float, 15mm C.P.brass angle valve and 15mm dia water inlet PVC connection . complete as directed.(All of appd. make)	2.00	Each	6089.00	12178.00
9	Providing and fixing White PVC flushing Cistern (valve less siphonic type) 10 ltrs. Capacity of approved quality and manufacturer confirming to IS: 7231-1984 including all internal fittings, Concealed brackets 15mm dia. brass valve with polythene float, 32mm dia. PVC flush bend with extra PVC pipe for IWC with fittings, 15mm dia Polythene pipe inlet, mosquito proof PVC brass coupling ,brass union, jam, nuts, handle etc. complete.	10.00	Each	1200.00	12000.00

10.00	Providing & fixing standard size pedestal type W.C. Pan (European type) of white vitreous china with integrated P or S trap with or without vent horn , fixed with comode brass screws and including low level P.V.C. flushing cistern of 10 ltr. capacity with all fittings e.g. PVC ball valve with polythene float etc.complete with 40mm dia PVC flush bend, brackets, 15mm dia PVC connector C.P. brass two way angle valve , black solid bakelite seat cover with lid of approved make with rubber buffers and CP. brass water jet attachment, C.P. brass hinges screws, complete.(All of and make)	2.00	Each	6184.00	12368.00
11.00	Providing & fixing white vitreous china wash basin of approved make and of size 515X410mm pedestal type with 15mm dia C.P. brass long neck angular swan type pillar tap, 32mm dia C.P. brass waste coupling and 32 mm dia C.P. brass bottle trap of heavy quality , 15mm dia C.P. brass angle valve with 15mm dia water inlet. PVC connector , brass union, C.I. brackets duly painted etc. complete.	6.00	Each	3698.00	22188.00
2.12	P/F white vitreous china HALF STALL Urinal of approved make and size 340 X 280 X 470 mm fixed with brass screws including C.P. brass coupling & waste pipe of 32 mm dia 'A' class GI pipe duly painted including CP brass spreader and CP brass connector and CP brass angle valve for making arrangement for flushing.	6.00	Each	5985.00	35910.00
12.00	Providing and fixing 15 mm dia C.P. brass short body bib tap of heavy quality & approved make.	6.00	Each	450.00	2700.00
13.00	Providing and fixing 15 mm dia C.P. brass long body bib tap of heavy quality & approved make.	1.00	Each	580.00	580.00
14.00	Providing and fixing 15 mm diameter C.P. brass heavy duty angle cock of approved make.	8.00	Each	450.00	3600.00
15.00	Providing and fixing C.P. brass towel rail 61 cm long 20 mm dia fixed to wall with brackets and C.P. brass screws.	6.00	Each	550.00	3300.00
16.00	Providing and fixing CP brass liquid soap holder of approved make and design to be fixed to wall by C.P. brass screws etc.	8.00	Each	295.00	2360.00
17.00	Providing and fixing C.P. Brass towel ring 200 mm diameter fixed to wall with C.P. brass screws.	0.00	Each	311.00	0.00
18.00	Providing and fixing Mirror of float glass 5 mm th. of approved make, hard board /,6mm ply/ asbestos sheet backing and moulded teak wood beading 50 x25 mm all sides with polishing/ painting etc. complete.	3.00	Sq.m	1680.00	5040.00

19.00	P/F 1st quality ceramic printed decorative tiles of group III, thickness 6mm (minimum) size 300 X 300 mm , of approved make & shade in flooring fixed with approved ceramic adhesive including filling joints with white cement mixed with pigment matching the shade of tiles and chiseling existing surface to receive bed of cement mortar.	45.00	Sqm.	788.00	35460.00
20.00	P/f ceramic tile strips/border of approved make , shade & design in border in dado with floating coat of cement slurry over 12mm thick backing of C:M 1:3 including filling the joints with white cement mixed with pigment matching the shade of border, or fixing with ceramic adhesive as case may be.all complete as directed.	0.00	RM	178.00	0.00
21.00	P/F Ceramic Tiles of size 600x300 mm Or 450 x 300 mm tiles in dado with design pattern and motifs, fixed over a backing cement mortar 1 : 3, 12 mm thick or fixing with ceramic adhesive as the case may be including finishing the joints with matching colour cement...	250.00	Sqm.	1177.00	294250.00
22.00	P/L pre -polished granite coloured slab/strips of 18 to 20 mm thickness in tread of stair case / Slab in Pantry, etc. with full moulding in front and side, desired pattern , over a 20 mm thick bed of CM 1:4 including filling the joints with white cement mixed with pigment of matching shade including cleaning the exposed surface , all complete as per direction.	25.00	sqm	3018.00	75450.00
23.00	Do as above in item no.2.47, but prepolished baroda green marble slab of 18 to 20mm thickness in tread of stair case, Kitchen Platform, Mid Landing etc. with half moulding.	45.00	sqm	1686.00	75870.00
	Total Amount of Toilet & Staircase Renovation			Rs.	629762.00
	(C.O. TO SUMMARY)				

NAME OF WORK:- INTERIOR & CIVIL, AIR CONDITIONING, MODULAR FURNITURE, CHAIRS, ELECTRICAL INSTALLATION, DATA & TEL. CABLING, FIRE ALARM AT BANDA BRANCH OFFICE BUILDING, B-BLOCK, AWAS VIKAS COLONY, BANDA - 210001

SUMMARY OF ESTIMATED COST

Sl No	Name of Item /Trade				Estimated Amount in Rs.
1	INTERIOR AND CIVIL WORKS				3640196.00
2	AMOUNT OF MODULAR FURNITURE				647248
3	CHAIRS				432577.00
4	ELECTRICAL INSTALLATION WORK				1132070.00
5	DATA CABLING WORK				141546.00
6	AIR CONDITIONING WORKS				1049965.00
7	FIRE DETECTION AND ALARM WORKS				99144.00
8	Toilet Renovation and Staircase Flooring				629762.00
	TOTAL ESTIMATED COST		Rs.		7772508.00

	I/We quote% (In words) above/below/at par on the Estimated Amount as above.				
	Note: Fill the percentage rate in appropriate row			% age quoted	
		ABOVE		Rs.	
		BELOW		Rs.	
		AT PAR		Rs.	
	TOTAL QUOTED TENDER AMOUNT			Rs.	

Quoted Tender Amount in words (Rupees)

Signature of contractor with Rubber seal.