

<b>BILL OF QUANTITY , INTERIOR WORK</b>					
<b>ITEM. NO</b>	<b>DESCRIPTION</b>	<b>Qty.</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>1</b>	<b>DISMANTLING WORK</b>				
	Note: Dismantling to be done in parts as per the instructions with proper support and covering of other areas from dust and falling debris, coordinating with other contractors/ agencies.				
	Item includes removing, cleaning, stacking the usable material at designated place and disposing off unserviceable material from the premises up to all leads and lift to space / dumping yard area marked by local authority. Item also includes taking permissions from the concerned departments/ building authority or MCD as required.				
	Including costs of all necessary measures, safety features, nets, scaffolding, lead, lift, cleaning after disposal etc.				
	All material obtained from dismantling or demolition shall be the property of the owner unless otherwise specified and shall be kept in safe custody until they are handed over to the engineer -in charge.				
	Any damage to property, structure, expansion joint, shall be repaired/made good by the contractor at his own cost no payment shall be made in this regard to contractor.				
<b>1.1</b>	Carefully Dismantling /removal of existing furnishing at branch, lobby i.e. floor tiles , false ceiling, partitions, furniture, paneling, rolling shutter at branch entry , collapsible gate ,electrical conduits, a/c duct work as per the existing and proposed plan complete in all respect <b>retaining main entry rolling and auto sliding gate</b> . And disposing the unserviceable malba from site on day-to-day basis and stacking serviceable items , Complete as per instructions of Engineer incharge .The measurement to be on sq. mt. basis of the clear plan area of floor inside branch premise and lobby area .	560.00	Sq.Mt		
<b>1.2</b>	Dismantling of Existing toilet block /pantry area from inside, complete including wall tiles, floor tiles, REMOVING sanitary fittings and fixtures, mirror, electrical fittings and fixtures, as per instruction of Architect /Engineer.	35.00	Sq.Mt		
<b>1.3</b>	Dismantling of existing false ceiling at corridor front of AHU room, complete in all respect as specified above.	25.00	Sq.Mt		
	<b>SUB TOTAL: 1.0: DISMANTLING WORK</b>		<b>RS,</b>		

<b>2</b>	<b>CIVIL WORK</b>				
	<b>Flooring</b>				
	NOTE:				
	The measurement to be on sq. mt. basis of the plan area of flooring.				
	Rates to include , Protection of newly laid floor during interior work: Rate shall include Providing and laying polythene and layer of 12 mm thick Plaster Of Paris in two layers on new flooring surface (For the protection of floor surface during other activities).				
	Rate should be inclusive of the cost of removing this protective layer, (after the work is completed) carrying all debris out of site and dumping it to municipal authorized dumping ground, cleaning the entire covered flooring area. complete in all aspect.				
<b>2.1</b>	<b>Verified tile (double Charged)</b>				
	Providing and laying premium double glazed/ charged Vitrified Tiles of size 600MM X1200 MM with 2mm spacer (with water absorption less than 0.08% and conforming to IS : 15622) of approved make ( johnson , Kjaria) and shade having thickness as per manufacturer's specifications in approved colour . The tiles to be fixed after levelling of the existing floor as may be required with cement mortar bed 1:4 (one part cement & 4 parts coarse sand) and then fixing the tiles with compound/ adhesives, including laticrete epoxy grout at the joints of approved shade to the full depth, complete as per direction of Engineer-in-charge. Size of tile 600mm x 1200mm ( Basic price 65/- sq.ft.)	560.00	Sq.mt.		
<b>2.2</b>	<b>Tile SKIRTING</b>				
	Providing and laying vitrified tile skirting (100mm high) thickness as per manufacturer specification , with water absorption less than 0.08%, and conforming to IS: 15622, of approved make( tile as per 2.1 item) in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand), including laticrete epoxy grout at the joints of approved shade to the full depth, etc., complete	45.00	R.mt		
<b>2.3</b>	<b>Granite stone</b>				

	Providing & fixing 18 mm thick. pre- polished , machine cut Granite Stone at floor appx. 600 mm wide band at branch/lobby entry . The stone to be fixed with cement mortar 1:3 (1 cement: 3 coarse sand) as per design .Joints treated with white cement, mixed with matching pigment , epoxy touch up including high gloss polishing the stone after finishing work, complete to the satisfaction of Architect/Engineer.	5.00	Sq.Mt		
	(quoted (without GST) Base price of granite to be used to be Rs. 160/- sq.ft.)				
<b>2.4</b>	<b>WALL TILE:</b> (toilet /pantry				
	Providing and laying vitrified gloss/matt finish decorative type tiles of different sizes thickness to match manufacturers specifications of approved make, shade and pattern having water absorption between 0.08% to 2.0% for dado in required position laid on a bed of 1:4 cement mortar including neat cement float, Rate shall include the 1-3 mm spacers between the tiles filled with laticrete epoxy grout. complete in all respects as directed by the Architect. (Quoted (without GST) Base price of tile to be used to be Rs. 60 /- sq.ft.)	130	Sq.Mt		
<b>2.5</b>	Providing and laying antiskid Vitrified Tiles of different sizes (with water absorption less than 0.08% and conforming to IS : 15622) of approved make, and shade having thickness as per manufacturer's specifications in SINGLE colour at toilet and pantry floor with rest specifcavations same as item no. 2.1 .	35	Sq.Mt		
<b>2.6</b>	<b>BRICK WORK:</b>				
	P/L Brick work 230 mm or above thick using First quality burnt clay FPS Brick F.P.S. bricks of class designation 7.5 in super structure with cement mortar 1:6(1 cement :6 coarse sand) including all shape and size, lead, lift, wastage, scaffolding etc. complete.	8	CUM.		
<b>2.7</b>	<b>PLASTER:</b>				
	P/Applying cement plaster 15 mm thick. in 1:4 (1 cement, 4 fine sand) on new or old work including lead, lift, scaffolding, wastage, cleaning etc. completes in all respect wherever required.	70	Sq.Mt		
<b>2.8</b>	Reinforced cement concrete work in lintel, including the cost of centring & shuttering and reinforcement.with M20- 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size) Including Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete .	0.06	CUM.		

2.9	P/Laying Rcc counter slab at toilet 500 mm deep and 75 mm thk with 8 mm bar @ 8" c/c in (1:2:4) mortar . Item to include shuttering required for complete. Rate to include fixing of 18 mm thk. pre- polished , pre moulded , machine cut Granite Stone at top and front of slab. The stone to be fixed with cement mortar 1:3 (1 cement: 3 coarse sand) as per design .Joints treated with white cement, mixed with matching pigment , epoxy touch up including high gloss polishing the stone after finishing work, complete to the satisfaction of Architect/Engineer. Basic price of stone 160/-sq.ft.	2	Sq.Mt		
	Top area will be considered for payment				
2.1	Providing & fixing 18 mm thick. pre- polished pre moulded , machine cut Granite Stone for top , and vertical wall cladding etc. edge moulding as per approval on one side complete with all details as per drawings The stone to be fixed with cement mortar 1:3 (1 cement: 3 coarse sand) as per design .Joints treated with white cement, mixed with matching pigment , epoxy touch up including high gloss polishing the stone after finishing work, complete to the satisfaction of Architect/Engineer.	10	SQM.		
2.11	Providing ModularCarpet Tiles, Nylon6.6 Tufted Textured Loop Pile,manufactured using Digital Injection Dyeing/Millitron dyeed of min 176dpi, tiles of size 50 cms x 50 cms,thickness 5.8mm+_10%,pile height 2.9mm,pile composition will be 100% polyamide 6,dye method 100% solution dyed.density=193,060 per sqm , pile weight 580 gsm total weight 3895 gsm ,primary backing will be of polyester/nylon.secondary backing modified bitumen and polyester fleece. Also available in SOFTback secondary backing.	38	SQM.		
<b>SUB TOTAL: 2.0: CIVIL WORK</b>			<b>RS</b>		
3	<b>Rolling shutter</b>				
3.1	<b>Motorized Rolling Shutter At Branch Entry</b>				


	Providing, fixing and installing motorized rolling shutter , made out of 2mm interlocking lenses either of honeycomb or perforated profile coupled together with horizontal aluminium section tubes complete with M.S. Guide complete with bottom rails and brackets made from M.S. sheet, with fitting accessories in best workmanship. The Automation system comprising of compact gear motor with advanced technology having patented safety mechanism with control panel (manual in case of power failure) and key selector with remote control complete up to the satisfaction of the Architect.	10	Sq.m.		
	Size: 1) As per attached layout (1 Nos. of shutter ) Material: The shutters shall consist of M.S. lath sections conforming to IS 513-1986, 2 mm thick and 80mm wide.				
	Rate including all the tools, tackles, hardware and consumable items etc. Rate excluding motor due to motor rate paid separately. (2.5) but motor installation included.				
<b>3.2</b>	Shutter electric Motor capacity 1.5 times to weight of shutter, Motor Make: GE, Kirloskar, Crompton for above mentioned size.	1	No.		
<b>3.3</b>	Repairing Existing rolling shutter at main entry of lobby with required fittings, etc. to make it run smooth and workable. Complete in all respect. approved by architect /engineer.	1	No.		
<b>3.3</b>	<b>COLLAPSIBLE SHUTTER</b>				
	Providing and fixing in position Collapsible Steel Shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer as per manufacturer's specifications and then final coat of approved enamel paint etc. complete to the satisfaction of the Architect /Engineer.	8	sq.m.		
	<b>SUB TOTAL: 3. 0: doors</b>		<b>RS</b>		
<b>4</b>	<b>PARTITIONS AND DOORS</b>				


	<p>Measurement of height shall be taken from finished floor level, up to the level of false ceiling, i.e., finish area of partition. In case of varying heights on either side of partition, average height shall consider. The Main framework of partition should be fixed to RCC ceiling. but payment to be considered up to bottom of false ceiling only. The rate to include provision of extra framework as necessary for skirting and making cut-outs for electrical switch plates, switch boxes, light fittings light etc. making provision for laying conduits as per drawings &amp; directions. All woodwork if used to be applied with 2 coats of fire-retardant paint and 1 coat of wood preservative with anti-termite treatment properties. Centre to center spacing of partition framework may vary to make provision for fixing dado rail / to adjust the level of glass or for fixing counter / storage units or otherwise as per site requirement.</p>				
	<p>Laminate sheet used should be 1mm thick of plain / textured /wood grain in gloss / matt/ suede finish with high density protective surface layer and skirting in metallic laminate with reverse side of adhesive bonding quality conforming to IS: 2046 Type S, including cost of adhesive of approved quality.</p>				
<b>4.1</b>	<b>Solid Full Height Lminated partition</b>				
	<p>Providing and fixing in position solid Full Height partition appx.75 mm thk. in Aluminium anodized Box Sections of JINDAL or approved make. Frame 50 mm x 50 mm clear size heavy duty with 16 gauge placed at framework of 600 X 600 mm grid (horizontally and vertically) fixed rigidly at floor lvl. With fasteners, other end fixed to top RCC roof. Completing partition by fixing 12 mm thick fire retardant plywood conforming to IS: 5509 (with one side coat of approved primer) fixed both sides of aluminium frame and then covering outer face of ply at both sides with 1mm thick Laminated (approved shade) in two or more colours, including including 6 mm groove in ply to be form by fixing additional 4mm thk.50 mm wide ply on aluminium frame work , as per design</p>	145.00	Sq.Mt.		


	<p>Rates to include all fittings fixtures hardware, complete in all respect. Door in partition shall be measured as partition, Including door frame (75X40mm) for shutter Of steam beech /teak wood with single leaf shutter (3'x8') made with wooden laminated flush door with glass slit as per design and all hardware, fittings, fixtures etc. in heavy duty SS such as , SS mortise handle with lock of Godrej or Dorset /approved make and model, door closers, SS heavy duty hinges, tower bolts, SS foot operated door stopper, SS buffer along the back side and any other related hardware required to the complete satisfaction of the Architect.</p>				
	<p>The rate shall be inclusive of duco paint /PU polish on door frame/ exposed wooden surface,</p>				
4.2	<p><b>Solid full height between branch and Lobby area</b></p>	48.00	sq.mt.		
	<p>Full Height Partition work. With Main M.S.Frame of MS tube 2.5" x 1.5" ,placed at distance of 4' x 2' and intermediated space to be filled with M.S. 20 mm thk. square bar at distance of 6 " c/c vertically only , fixed rigidly at floor lvl. With fasteners, other end fixed to top RCC roof, complete in all respect including angle frame at base and ceiling , primer painting etc. Completing partition by fixing 12 mm thick fire retardant plywood conforming to IS: 5509 (with one side coat of approved primer) fixed both sides of M.S. frame and then covering outer face of ply at both sides with 1mm thick Laminate textured/ gloss (approved shade) in two or more colours, including 6 mm groove in ply to be form by fixing additional 6 mm thk.50 mm wide ply on frame work , as per design.</p>				
4.3	<p><b>Partially glazed Full height partition</b></p>				
	<p>Providing &amp; fixing Partly Glazed Full Height Partition approx. 75 mm thk with framework and ply/ lamination as per item no. 4.1.</p>	24.00	Sq.Mt.		

	<p>Here item to include 8 mm thick. clear toughen Modi float glass as per design, The glass to be fixed using slimline aluminium frame ( K-LITE 25 series of Ozone )or approved make and shade of size 25x25MM/ 25x22 mm to be fixed on to the floor/wall/partition as per design. Frame, will be on four sides with I &amp; T and L for glass joint along with required gasket etc. complete as per Architectural drawings and direction of Engg-in-charge. complete to the satisfaction of the Architect / Engineer.</p>				
<b>4.4</b>	<b>FULLY GLAZED PARTITION: (toughen glass)</b>				
	<p>P/F Glass Partitions of 12 mm thick. toughen glass Polished edge. The Fixed glass to be fixed using slimline aluminium frame section ( K-LITE 25 series of Ozone )or approved make and shade , of size 25x22MM to be fixed on to the floor/wall/ ceiling/ aluminum frame as per drawing . Frame, will be on four sides with I &amp; T and L for glass joints along with required gasket of approved shade etc. complete as per Architectural drawings and direction of Engg-in-charge. The item includes toughen glass 2400 mm height maximum, and above is laminated partition . complete in all respect as per item no.4.1</p>	24.00	Sq.Mt.		
<b>4.5</b>	<b>Toughen Glass door</b>				
<b>4.5.1</b>	<p>P/F Single leaf TOUGHEN GLASS DOORS: Installation of fully glazed frameless glazed door (appx. 3'-6"x 8'-0") made out of 12 mm thick. Toughened glass and the door shall be fixed with Dorma, Hafele, Enox or approved make floor springs, lock , with SS finish patch fittings on top, bottom. The door shall have lock in the mid of shutter as per approval with 900 mm long SS handles of 25 mm dia. (for main entry doors) to be fitted horizontally/ vertically as per instructions of the Architect. The Rate shall be including the making of necessary holes in glass for Access control locks, complete in all respect with all hardware, fittings, fixtures etc. complete in all respects. All necessary hardware, fittings, fixtures to be approved from the Architect before actual application of the same. Any change in the specifications must be first approved from the Architect.</p>	1	NOS		



<p><b>4.5.2</b></p>	<p>P/F Single leaf TOUGHEN GLASS DOORS: Installation of fully glazed frame less shutter with slim line aluminium door frame of size 45x22 mm (K LITE -45 of ozone ) or approved make and shade . door (appx. 3'-6"x 8'-0") made out of 12 mm thick. Toughened glass. Complete in all respect including all fitting hardware as per item 4.5.1.</p>	<p>1</p>	<p>Nos.</p>		
					
<p>4.6</p>	<p>P/F Solid full height partition in aluminium frame at e lobby with frame work same as per item no. 4.1. The partition to be finished with 8 mm toughened extra clear , back painted lacquered glass at one side and plain laminate with groove in laminate other side , complete in all respect as per instruction of engineer incharge.</p>	<p>27.00</p>	<p>sq.mt.</p>		
	<p>The work to include making necessary template for all the glasses and then cutting the glass to correct size, making all the necessary holes, cuts etc., The cost shall include all hardware required for fixing the glass - etc. complete. Rates to include , Door in partition shall be measured as partition, Including door frame (75X38mm) for shutter Of steam beech /teak wood with single leaf shutter (2'-9"x 8') made with wooden laminated( high gloss) flush door as per design and all hardware, fittings, fixtures etc. in heavy duty SS such as , SS handle with lock of Godrej or Dorset /approved make and model, door closers, SS heavy duty hinges, tower bolts, SS foot operated door stopper, SS buffer along the back side and any other related hardware required to the complete satisfaction of the Architect.</p>				
<p><b>4.7</b></p>	<p><b>Low Height Partition:</b></p>				

	<p>Providing &amp; fixing Low Height laminated Partition 1200/1500 mm high with same specifications for framing as item no. 4.1. complete laminated in two or more colours. item to include post form lamianted panel of 18"x30" fixed at side as per design . and to have 3" x 3/4 " wooden moulding on top complete with PUmachine polished / Duco Paint including base preparation as per manufacturer specifications. Complete to the satisfaction of the Architect. Rates to include, making provision for electrical conduits, switches and junction boxes. complete in all respect as per instructions from Architect.</p>	60.00	Sq.mt		
					
<p><b>4.8</b></p>	<p><b>HNI Cabin</b></p>				
	<p>Providign and Fixing of HNI cabin partition work circular on plan diameter 9' approx, comprising of</p> <p>a.) Partition main frame made of M.S. tube 62 mm X 38 mm , 2 mm wall thickness, comprising of top , bottom circular shape frame , joined together by vertical frame memembers 62mm x 38 mmx 2mm , at spacing of appx. 4' c/c along the circumfrance. Main frame bottom member fixed to floor, with suitable size of fastenar, including making good to all damages.</p> <p>b.) The intermediate space between two vertical frame members is to be provided with secondary member M.S. tube of 25 mmx18 mm x 2mm at distance of 600 c/c horizontally welded to main frame and then intermediate area to be finished with by fixing 4mm flex ply both side of secondary frame and covering ply with 1 mm thk. high gloss laminate both side.</p> <p>c. Item to include 8 mm thk. app. 1200 wide and 2400 high transparent polycarbonate sheet ( fixed with aluminium slim line frame from Ozone 25mm x 22 mm (K-lite-25) at vertical end ) in circular shape as per attched .</p>	3	No.		

	<p>complete in all respect including grinding all surfaces of joints to gain smooth bear metal , Finishing the iron surface with steel prime and then with Alkyd PU paint of two or more coat of required colour to give an even shade , of approved brand complete as per manufacturer specifications, and instruction by project incharge . (Asian Paint/Berger Rangoli/J&amp;N Paint/Nerolac)</p>				
					
<p>4.9</p>	<p><b>FIRE RESISTANT DOOR ( size of opening 1000 mm x 2100 mm )</b></p>	<p>1</p>	<p>No.</p>		
	<p>Supply , installation , fixing and fitting of ( 1000 mm x 2100 mm size of opening) 50 mm thk. Fire , heat and smoke resistant , fire steel door comply with fire performance as per BS 476 and as per IS 3614 comprising of</p>				
	<p>DOOR FRAME : double rabbet steel frame profile of size 140 x 65 mm with bending radius of 1.4 mm thk made out of 1.2mm pressed G.I. sheet . (zinc coating not less than 120 gm/sqm) duly filled with vermiculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame must have 4 no. anchor bolt fastener on each verticle jamb to fix with wall surface. provision for lock striking plate . The frame must be fitted with smoke seal, affixed on peripheral slit on all edges of shutter .for fixing must be provided with back plate bracket and dash fastener of approved size and make for fixing on existing plaster surface of masonry wall , including applying a coat of approved brand fire resistant primer and powder coating of approved shade.</p>				

	<p>DOOR SHUTTER : 2 hour fire rated door of single leaf , steel shutter 50 mm thick fabricated out of 1mm thk. ( 20 GUAGE) galvanised steel sheet conforming to IS:277. Shutter should not have visible screw fastener , rivet on either face , The infill material should be fire retardant , heat insulated material suitable for 2 hour rating . Shutter must be fabricated in factory with prepunched cutout , reinforcement for hinges, locks, door closer to receive ironmongery. The edges should be interlocked with bending radius of 1.4mm . The shutter shall have predrill hinges support plates . The shutter must have fire rated vision panel and glass of vision panel should be 6 mm thk. fire rated clear glass (wire netted) of size 300x300 mm. shutter clean and painted with suitable fire resistant power coated finish etc. complete in all respect including D handle 450 mm long and 25 mm dia,mortice dead lock and door closer etc. .</p>				
<b>4.11</b>	<b>Repairing of existing doors AT TOILET</b>				
	<p>Removing and refixing after repairing existing door shutters as required complete repainting of exposed wooden surface and door frames, replacing all hardware's with new hardware, latches, locks as approved. complete in all respect.</p>	6	No.		
<b>SUB TOTAL: 4: PARTITIONS AND DOORS</b>			<b>RS,</b>		
<b>5</b>	<b>PANELLING</b>				
<b>5.1</b>	<b>Paneling (Laminated)</b>				
	<p>Laminate sheet used should be 1mm thick of plain / textured /wood grain in gloss / matt/ suede finish with high density protective surface layer and skirting in metallic laminate with reverse side of adhesive bonding quality conforming to IS: 2046 Type S, including cost of adhesive of approved quality.</p>				
	<p>Providing &amp; fixing Paneling (Laminated) with framework of 45 x 25 mm GI sections (India Gypsum) @ 600 mm c/c in both directions, finished with 12 mm thick fire retardant plywood conforming to IS: 5509. With one side painted with approved primer and fixing of 1.0mm thick. decorative/texture /High gloss laminate in two or more colour on other side. Paneling to have 50x25mm teak wood molding on top, finish with Duco paint in 3'-0" high panelling . Paneling to include provision of extra framework as necessary for skirting and making cut-outs for electrical switch plates, switch boxes, etc. making provision for laying conduits as per drawings &amp; directions etc. complete to the satisfaction of the Architect /direction of Engg-in-charge. item to include 4mm x 50mm ply over frame work for creating deep goove in main ply .</p>	366.00	Sq.mt		

5.2	Relamination on existing panelling ,after removing existing laminate and providing/fixing 8 mm mdf and 1 mm new laminate as specified above with 6mm groove in laminate.	60.00	Sq.mt		
<b>5.3</b>	<b>Paneling (PU Paint)</b>				
	Providing & fixing Panelling (PU Paint) with G.I. framework of 45 x 25 mm GI sections (India Gypsum) @ 600 mm c/c in both directions with 12 mm thick. exterior grade MDF board fixed on frame. Item includes finishing Panelling MDF board surface with high gloss PU paint (Asian/ Berger/ ICI) with gun spray after preparation of surface as per manufacturer's specification etc. complete to the satisfaction of Architect /direction of Engg-in-charge.	20	Sq.Mt.		
<b>5.4</b>	<b>Digital Printing on Sun Film</b>				
	Providing and fixing Digital Printing on Sun Film as per approved material/ pictures, mounted between two 6mm clear toughened float glass fixed with S.S spacers and other associated hardware fittings on wall etc. complete to the satisfaction of Architect/direction of Engg-in-charge.	4	Sq.Mt.		
<b>5.5</b>	<b>Wall paper</b>				
	Providing and fixing approved high quality decorative, completely strippable, non- woven, environment friendly wall paper/wall covering of minimum weight 250 gsm as per selected design, model , shade, colour, steady and good impact resistance, good breathability, washable, no deformation, no shrinkage and no air gap after decor. (Quoted (without GST) Base Price of wall paper to be used to be Rs. 60/ sq.ft.).	35	Sq.mt		
<b>5.6</b>	<b>Lacquer Glass panelling</b>				
	Providing & fixing Panelling (Lacquer Glass) with frame work with 45 x 25 mm GI sections (India Gypsum) @ 600 mm c/c in both directions, finished with 8mm thick. MDF board. The board to be covered with 6mm thick extra clear , back painted lacquered paint of Saint Gobin or equivalent approved make , of approved shade complete as per detail drawing and to the satisfaction of the Architect /direction of Engg-in-charge	20.00	Sq.mt		
	(Quoted (without GST) Base Price of lacquered glass to be used to be Rs. 275/ sq.ft.				
<b>5.7</b>	<b>Aluminium skirting</b>				
	Supply of Aluminum Skirting Designed to be installed on wall, partitions and paneling on top of all kinds of flooring Installed using screws, to camouflage the rivet points. A capping strip is provided either in PVC of matching colour or aluminum. Supplied with pre-drilled holes and protection tape, which is removed after completion, Matching corner guards are provided with the profiles.	50	R.MT		
<b>SUB TOTAL: 5.0: PANELLING</b>			<b>RS,</b>		


<b>6</b>	<b>PAINT&amp; P.O.P.</b>				
6.1	POP (plaster of Paris)				
	P/A P.O.P. punning 12 mm thick. On internal wall, with line, plumb and level surfaces for the smooth base of paint work. Rates to including, groove in P.O.P at as required complete.	50	Sq.Mt.		
<b>6.2</b>	<b>Plastic emulsion paint</b>				
	P/A plastic emulsion paint (premium quality) on wall of approved make and shade complete three or more coats, as per manufacturer's specification. Including preparation of base with Birla putty priming with Roller finish.	75	Sq.Mt.		
<b>6.3</b>	<b>Texture paint</b>				
	Providing and fixing Texture paint interior grade. Complete in all respect as per manufacture specifications. (Quoted (without GST) Basic rate for texture is 50/- sq.ft.)	70	Sq.Mt.		
<b>6.4</b>	Providing and applying enamel paint at existing doors ( inside , outside with frame ) and almira ( all sides / visible area) after cleaning existing paint and grinding all surface to gain smooth bear metal surface ,Finishing the metal surface with steel prime and then with Alkyd PU paint of two or more coat of required colour to give an even shade , of approved brand complete as per manufacturer specifications, and instruction by project incharge . (Asian Paint/Berger Rangoli/J&N Paint/Nerolac)				
<b>a</b>	Steel almirah appx. size (3'-0" x 1'-6" x 6'-6")	3	Nos.		
<b>b</b>	Low height safe size (2'-0" x 2'-6" x 2'-6")	2	Nos.		
<b>c</b>	safesize (3'-2" x 2'-8" x 6'-6")	2	Nos.		
<b>d</b>	strong room door both sides and frame in approve color appx. size (4'-3" x 7'-0")	2	Nos.		
<b>SUB TOTAL: 6.0: PAINTING</b>			<b>RS,</b>		
<b>7</b>	<b>FALSE CEILING</b>				
	Item includes providing False Ceiling in plane, curve shape and design. Suspending system and frame work shall match layout of A.C. ducts / grills, electrical / fire protection wiring / fixtures, return air grills etc. Rate to include provision of extra frame work, necessary scaffolding needed due to layout of other utilities referred above and fixtures etc. (Measurement shall be taken of the plan area only nothing extra for cove design and vertical sections).				
	Rates are inclusive of:				
	a.3 or more coats of plastic emulsion paint.				
	b. Provision for lighting and light fittings etc.				
	c. Cutouts must be made with the frame of perimeter channels extra supported as suitably				
<b>7.1</b>	<b>Gypsum Board False Ceiling</b>				

	<p>Providing and fixing Gypsum Board False Ceiling with INDIA GYPSUM ULTRA main ceiling sections at 1200 c/c and cross members at 450 c/c of INDIAN GYPSUM. The grid work to be suspended from ceiling with hangers at every 1200 c/c in both directions. The Framework to be as per manufacturer's specifications. 12.5 mm thick. Tapered edge gypsum plain board conforming to IS: 2095- (Part I) : 2011. Gypsum board to be screwed to the frame of suitable size as required , including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes , finishing with jointing compound in 3 layers covering up to 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification along with final finish 2 or more coat of white acrylic paint .</p>	275	Sq.Mt.		
	<p>Rates to include provision of all necessary cut outs for electrical / air conditioning grills and necessary frame work required for making and fixing Gypsum cove in false ceiling to hide strip/cove light in ceiling and curve designs etc. complete to the satisfaction of Architect/ Bank's Engineer.</p>				
	<p>(Measurement shall be taken of the plan area only nothing extra for vertical sections)</p>				
<b>7.2</b>	<b>Mineral Fibre Acoustic False ceiling:</b>				
	<p>Providing and fixing False Ceiling with Mineral Fiber Acoustic Ceiling Tiles of Armstrong/ USG/ Gyptech with MICROLOOK edges and having noise reduction properties laid on exposed grid system with 15mm wide <b>Silhouette type T</b>-section flanges of white colour, main runners spaced at 1200 mm c/c securely fixed to the soffit of structure with approved hangers at 1200 mm maximum c/c. Flush fitting 1200 mm crossed tees to be interlocked between main runners at 600 mm c/c to form 1200 x 600 modules. 1200 mm cross tees to be crimped. 600 x 600 module to be formed by fixing 600 mm long flush fitting cross tees centrally between the 1200 cross tees. Ceiling tiles of Dune Supreme of size 600 x 600 x 16 mm (thick.) to be placed in the grid. Rate to include making necessary cut-outs or openings for light fixtures, air conditioners and other utilities etc. complete to the satisfaction of Architect/ Engineer.</p>	300	Sq.Mt.		
<b>7.3</b>	<b>Baffle ceiling for hall area</b>				


	P/F pre painted acoustic Baffle ceiling of baffle size 1200 mm length, thickness 40 mm with height 300 mm . Easily demountable. Manufactured from high density( not less than 108kg/m3 compressed rockwool ,and finished with painted surface on both the sides, in two or more shades. Edges are straight cut and painted. These Baffles shall be fixed with specially designed spring screw and hanged with thread road/GI wire to the soffit at a distance of 200 mm c/c , colour and design be as approved by engineer inchage. Complete in all respect . Make : Saint gobin , Armstrong , Gyptech ,	132	No.		
<b>SUB TOTAL: 7.0: FALSE CEILING</b>			<b>RS,</b>		
<b>8</b>	<b>TABLES AND COUNTERS</b>				
<b>8A</b>	Tables/ Counters/Workstations to have 25 mm thick. Commercial ply at sides, modesty laminate finish on exposed vertical surfaces both sides, including laminate on inside surface.				
	Tabletop shall be made from minimum 25mm thick MDF board finished with 1.5 mm thk laminate at top and 1 mm thk. laminate under the top. All edges shall be lipped with minimum 2mm thick PVC edge banding tape , matching to laminate . Top should have ivory /matching to top powder coated wire manager.				
	One true unit sample set at site with manufactures test certificate and again tested for work-men-ship and specification at site, as described procedure in drawing dimension and procedure.				
	<b>The Modesty panel</b> will be of 12 mm with additional 12 mm marine grade ply as per design laminate inside and outside laminate with two colours as per design , with provision of led strip light .				
	<b>Drawer unit:</b> Drawer unit consist of Three drawer two small at top and one big for files at bottom, running on heavy duty telescopic sliding channels with all around boxing made of 19mm thick. Plywood with vertical support of the table as one side. Drawer shall be made of 12mm marine grade plywood and front facia of drawer should be 19 mm thick. With 1.0 mm thick laminate of approved shade and make all inside and outside the drawer. All exposed edges shall be sealed with minimum 2mm thick. Edge binding tape. The back and sides of drawer shall be of same height as front. Each drawer unit will be provided with a centralized locking mechanism comprising of a multi-drawer lock fitted in the uppermost drawer fascia (of Godrej/equivalent). All three-drawer fascia shall be provided with handles as per approval.				



	<p><b>Key board tray:</b> Providing and installing 2'-6"/2'-9" wide, 16" deep wooden laminated all sides, keyboard, with heavy duty telescopic channels of Hettich make or equivalent as specified, made out 19 mm thick. Comm. Ply having 1 ¼" laminated edge at front and sides.</p>				
	<p>One true unit sample set at site with manufactures test certificate and again tested for work-men-ship and specification at site, as described procedure in drawing dimension and procedure.</p>				
	<p><b>CPU trolley:</b> Providing and placing heavy duty CPU trolley, (125mm to 240mm adjustable, trolley made from MS with white powder coating and lockable castors)</p>				
	<p><b>Side storage unit:</b> Outer casing shall be made from minimum 19mm thick commercial ply, complete laminated inside and outside, with top in 25 mm post form laminated MDF. All exposed edges shall be lipped with minimum 2.0mm thick PVC edge banding. The unit to have one 19mm thick. Horizontal shelf inside of commercial ply laminated with 1 mm laminate.</p>				
	<p>The unit will be provided with lockable shutters. Shutter to have soft closing and anti-slam mechanism. Shutters shall be having stainless steel handles of minimum 96mm length and locks for security, complete including all hardware, latches, hinges etc. as per drawing and instructions from project engineer.</p>				
	<p>Laminate sheet used should be 1mm thick at verticle and 1.5 mm thk at horizontal or otherwise specified of plain / textured /wood grain in gloss / matt/ suede finish with high density protective surface layer and modesty in combination of metalic and plain laminate with reverse side of adhesive bonding quality conforming to IS: 2046 Type S, including cost of adhesive of approved quality.</p>				
<b>8.1</b>	<b>MANAGER TABLE</b>				
	<p>P/f Table of size (1950 x800 x 750) and side credenza / side units (1200 x450 x750 )as per design , shall be made of 19 mm commercial ply with readymade CPU trolley, storage unit and keyboard provision including all hardware's. Table top and side unit top in 19 mm thk commercial ply and should be finished with high density 12 mm thick Flexi Corian solid surface (make Dupoint / LG/Marino/Equivalent) and laminated inside as per specified above / as per drawing including all hardware , hinges etc.</p>	1	NOS		
<b>8.2</b>	<b>Office tables T1</b>				

	P/F table size (1575 x 600 x 750) and side credenza /storage units (900 X 450 x750) with readymade CPU trolley, storage unit and keyboard provision complete in all respect as specified in item description above and as per detail DRG NO. T-11	15	NOS		
<b>8.3</b>	<b>Relation ship officer table T2</b>				
					
	Table comprise of two parts . Discussion table and worktop with storage. Discusion table ( 750 mm dia.) top in 19 mm marine ply + 12 mm thk. Flexi Corian solid surface (make Dupoint / LG/Marino/Equivalent) with base metal frame of 50 mm dia pipe crome matt finish fixed to table as per detail drawing . Work top comprises of chest of drawer as specified above and key board provision with table top to have courian finish . complete in all respect as per attached drawing no. T-12	4	Nos		
<b>8.4</b>	<b>Officers table T3</b>				
	P/F Table in curve shape as per attached drawing with base one side is chest of drawer and other side is base metal frame , with rest of specification as per item no. 8.3 and complete in all respect as per attached drawing No. T-13 .	3	NOS		
<b>8.5</b>	<b>Floor Manager</b>				
	Table in arc shape as per DRG. NO. T-14 attached . with top in 19 mm marine ply + 12 mm thk. Flexi Corian solid surface (make Dupoint / LG/Marino/Equivalent) , modesty in 18 mm ply with additional pattern in 1"x1/2" MDF strips , Duco painted as approved shade , and lamianted skirting . Tale to have part double top in 12 mm ply and finished with 12 mm courian as per atched drawing . Rates to included chest of drawer and key board provision complete in all respect.	1	NOS		
<b>8.6</b>	<b>LOBBY TABLE</b>				
	P/P table size (1350 x 550 x 750) in arc shape with top finished in flexi courian 12 mm thk, of approved make and shade and modesty in 18 mm ply with additional pattern in 1"x1/2" MDF strips , Duco painted as approved shade , and lamianted skirting . Inside under structure is laminated, complete with drawer unit and keyboard provision with rest of specifications as per item no. 8a	1	NOS		
<b>8.7</b>	<b>CASH COUNTER</b>				

	<p>Providing &amp; fixing two level Cash Counter as per layout plan, Writing top, Upper top, front projected face, sides and front apron all shall be made of 19mm thick comm. ply wood. Front modesty to have double board with frame work in between for fixing of electrical points. Writing top and upper top, shall be made of 25 mm MDF Board laminated with 1.5 mm thk laminate of approved shade . Sides and front apron Shall be made of 19mm thick comm. plywood The counter shall have CPU trolley, foot rest, key board tray as per specified above in head 8a, Drawer unit consist of three drawer with telescopic sliding channels with all around boxing made of 19mm thk. Ply wood with vertical support of the table as one side. Top drawer to have a provision of dividers to keep cash. Rest drawer specifications same as per item no.8a. The item to include a mirror above working top size 2'x1'. And soft board with fabric mounted above at inside area. All exposed surfaces shall have to be laminated. (Size 2'9" deep and writing top at 2'6" ht. and upper top at 3'-6" ht.)</p>	5	RM		
8.8	P/P Officer table of size (1200X600X750) with CPU trolley , chest of drawer and key board tray complete in all respect as specified in item no.. 8A.	10	Nos.		
8.9	P/P running counter 600mm deep with drawer unit and key board provision . Complete in all respect as described in item no. 8A.	2	Rmt.		
8.10	Tab Counter				
	P/F Tab counter 1050 height x 500 deep in 18 mm maine ply with top finished with high density 12 mm thick Flexi Corian solid surface (make Dupoint / LG/Marino) of approved shade in gloss finish, with provision of electrical point at bottom of top . Rate to include all required hardware and fittings needed to attached tab to table top as per instruction . As/ plan counter for 3 nos. person seating understructure in high gloss laminate ,complete as per detail drawing no. T-15	3.2	Rmt.		
<b>8.11</b>	<b>CENTER TABLE</b>				
	Providing and placing in position centre Table of size 450 mm dia with toughen glass top and ss base . Base price Rs. 15000/- .(The Bank reserves the right to select any model/ series of base price mentioned from any of the makes).	2	NOS		
<b>8.12</b>	P/P centre table ( 700mmx450mm) in 18 mm commercial ply and complete finished with 12 mm thk .Flexi Corian solid surface (make Dupoint / LG/Marino) in one or two shades in gloss finish with slot at top for fixing of tab at top ,and provision for electrical points , complete in all respect as per attached	1	Nos		

					
8.13	P/F customer's writing table,3'-6" high, made of 19 mm thk. Commercial board with wooden lipping/pvc lipping 2mm ththk. /duco painted on exposed ends and laminate on all exposed surfaces .Table top shall have 12 mm thk. Glass for top fixed with S.S. buttons and vertical division for keeping forms in 12 mm thk. glass only. Below the divisions table to have check drop box and suggestion box. The glass shall be fixed as per design. The table top shall be of (Size 5'-0" x 12" and height 3'-6").	1	Nos		
<b>SUB TOTAL: 8.0: TABLE AND COUNTER</b>			<b>RS,</b>		
<b>9</b>	<b>STORAGE CUPBOARDS UNIT:</b>				
<b>9.1</b>	<b>FULL HEIGHT STORAGE CUPBOARD</b>				
	Providing & fixing Full Height Storage Cupboard as per site appx. 450 mm deep with frame, all sides, shelves to be made with 19 mm thick. Commercial ply and 6mm thick. Commercial ply fixed at the back. The shutters to be made with 19mm thick. Commercial ply. Shutters, front and cabinet sides to be finish with 1.0 mm thick. Decorative/ texture laminate and inside finished with 0.8 mm thk. White laminate finish. All edges to have 2mm thick. Edge binding tapes as per details, all shutters to be made overlapping the frame, including S.S. long handles, magnetic catchers, self-closing hinges, locks (Godrej/ Hettich/Hafele) etc. complete to the satisfaction of Architect/Engineer. (Only front elevation will be considered for area calculation) (Quoted (without GST) Base price of laminate to be used to be Rs. 40/ sq.ft.).	16.5	Sq.mt		
<b>9.2</b>	<b>LOW HEIGHT STORAGE CUPBOARD</b>				
	Providing & fixing Low Height Storage Cupboard depth 450 mm, with same specification as mentioned in item 13.1, above for full height storage cupboard but height of 750-1200mm and top of cabinet should be in 25 mm thick. Post form laminated MDF. All exposed and inside surfaces to be laminated i.e., sides, front etc. complete to the satisfaction of Architect/Engineer.				
	(Only front elevation to be considered for measurement purposes) (quoted (without GST )	20	Sq.mt		
<b>9.3</b>	<b>CABINET AT PANTRY AREA</b>				


	P/F pantry cabinet 600 deep and 800 high, in 19 mm thick. BWR Waterproof ply below existing counter . Cabinet to have top row of drawer with cutlery tray of 550 mm width in one and bottom shutter with provision of shelf inside, complete laminated inside with 0.8 mm thick laminate and outside with 1 mm thick. High gloss laminate of approved shade, complete in all respect including 2 mm PVC edge binding tape of matching shade at exposed edge, hinges, Hardware, latches, magnetic catchers, telescopic channel, etc. of approved make.	1	No.		
	The Front elevation area shall be considered for payment.				
<b>9.4</b>	<b>OVER HEAD STORAGE:</b>				
	Providing and fixing Over Head Storage 300 mm deep made of fire safe plywood 19 mm thick. At car case finished with 1mm thick. High gloss laminate off approved shade outside and 0.8 mm thick. Plain laminate inside. Shutter should be provided with soft closing hinges (Hettich/ Haffle/ Dorma) & glass shelves inside. Item to be inclusive of 2 mm PVC edge binding tape of matching shade at exposed edge, all accessories/hardwares, locks, soft close hinges etc. complete. Complete to the satisfaction of Architect/Engineer. (Quoted (without GST) Base price of laminate to be used to be Rs. 40/ sq.ft.). The Front elevation area shall be considered for payment.	1.2	Sq.mt		
<b>9.5</b>	<b>VANITY UNITS FOR WASH BASIN</b>				
	P/F cabinet 600 deep in 19 mm thick. BWR Waterproof ply below RCC slab . Cabinet to have shutter with provision of shelf inside, complete laminated inside with 0.8 mm thick laminate and outside with 1 mm thick. High gloss laminate of approved shade, complete in all respect including 2 mm PVC edge binding tape of matching shade at exposed edge, hinges, Hardware, latches, magnetic catchers, etc. of approved make. The Front elevation area shall be considered for payment.	1.5	Sq.mt		
	<b>SUB TOTAL: 9.0: STORAGE CUPBOARDS</b>		<b>RS,</b>		
10	<b>SOFA</b>				

	P/P sofa in circular shape as per attached plan . The seat is made of 4" PU foam having an additional top layer of super soft PU foam upholstered with leatherette. The back is made of PU foam with two additional top layer of supersoft foam , upholstered with fabric or leatherette Understructure is made up of 1.2±0.1 cm. thick hot pressed plywood & pinewood of cross section devoid of major knots & surface defects 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over understructure for cushioning purpose 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over understructure for cushioning purpose. It is a welded assembly made in Stainless steel tube & plate with plastic endcap. complete in all respect .	15	SEAT		
<b>11</b>	<b>SANITARY WORK</b>				
<b>11.1</b>	<b>WALL MOUNTED WC</b>				
	Providing / fixing, testing and commissioning, star-white glazed vitreous China European type water closet, wall mounted, manufacture ( Hind- ware Italian collection ,ELEGANCE cat. 20109 / or equivalent make /range) with all fitting, fixtures, soft closer seat cover, uPVC Connector, Rubber Seal etc. complete including cutting and making good wall, floors wherever required.	3	NOS		
<b>11.2</b>	<b>Concealed cistern</b>				
	P/F, testing and commissioning of concealed flushing cistern of Hind ware, "Concealo Neo(80mm) or equivalent make/range, with flush plate Model "CUTE", including wall mounted frame, complete in all respect, as per requirement.	3	NOS		
<b>11.4</b>	<b>WASH BASIN: countertop mounted</b>				
	Providing and fixing vitreous China countertop mounted Wash Basin (Hind ware round starlet cat. No. 10052 model or equivalent make /range) 49 cm dia. With C.I./ M.S. brackets if required, 32 mm C.P. brass waste of standard pattern, bottle trap, etc. including cutting and making good at counter/vanity /stone top wherever required etc. complete as per instructions of Architect/ Engineer.	4	NOS		
<b>11.5</b>	<b>BASIN MIXER:</b>				
	Providing, fixing, testing and commissioning Wash Basin mixer with Sensor of (Jaquar model SNR-35019PMPK kubix prime or equivalent make /range) as per approval along with all necessary fittings /stainless steel connection pipes for angle valve to make it workable as may be required, complete as per instructions of Architect/ Engineer. (Make -Kohler/jaguar)	4	NOS		
<b>11.6</b>	<b>WATER LESS URINAL</b>				

	Removing and refixing existing urinal , complete in all respect .	3	Nos		
<b>11.7</b>	<b>URINAL PARTITION</b>				
	Providing and fixing frameless urinal partition rectangular shaped 10 mm thick of toughen frosted glass (size- height=900, width=450), fitted with required SS fittings at wall, between urinals complete in all respect.	2	NOS		
<b>11.9</b>	<b>ANGLE VALVE:</b>				
	Providing & fixing CP brass Angle Valve with flange (Jaguar/Kohler/ Equivalent) of approved model along with all accessories as may be required complete as per instructions of Architect/ Engineer. Quoted (without GST) price to be Rs 900/-	15	NOS		
<b>11.10</b>	<b>TOILET PAPER HOLDER</b>				
	Providing & fixing wall mounted Toilet Roll Holder Jaquar model I-1151N/ or equivalent approved make/range) complete in all respect.	3	NOS		
<b>11.11</b>	<b>PAPER TOWEL DISPENSER</b>				
	Providing and fixing wall mounted paper towel dispenser of stainless steel, capacity 400-600 C/Z towels, complete in all respect, model PTD-SAP-DT0106CS of Jaquar or approved equivalent make/range)	2	NOS		
<b>11.12</b>	<b>HEALTH FAUCET:</b>				
	Providing, fixing, testing, Health Faucet along with one-meter-long flexible tube chrome finish and hanging hook of Jaquar allied series ALD579 or equivalent make/ range)	3	NOS		
<b>11.13</b>	<b>TOILET MIRROR: (toilet and pantry)</b>				
	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing Rectangular shape 1500x 600 mm	2	Sq.mt		
<b>11.14</b>	<b>CP GRATING:</b>				
	Providing, fixing C.P. Grating complete. (Chilly, Camry Make) Including cutting hole in stone, including grouting's, 125/100 mm dia. Weight not less than 100grams.	6	NOS		
	<b>SUB TOTAL: 11.0: SANITARY WORK</b>		RS,		
<b>12</b>	<b>Miscellaneous Work</b>				
<b>12.1</b>	<b>DIGITAL GLASS FROSTING FILM (3M)</b>				
	Providing and fixing Digital Glass Frosting Film (3M) for frosting as per design in all shapes/size including curve shapes etc. complete to the satisfaction of Architect/ Engineer.	12	Sq.mt.		
<b>12.2</b>	<b>ROLLAR BLINDS</b>				

	Providing & fixing of Blackout Roller Blinds (Vista Levelor / MAC/ DACK) of approved shade, texture and fabric including all associated accessories, heavy duty chain driver pulley etc. complete in all respect as per manufacture specifications and to the satisfaction of Architect/Bank's Engineer. (quoted (without GST) Base price of the fabric be used Rs. 140/-sq.ft.).	40	Sq.mt.		
<b>12.3</b>	<b>ARTIFICIAL PLANT</b>				
	Providing and fixing in wire-mesh substrate, Artificial Plants of size height not less than 1000 mm. as approved and of first quality. (Plants can be Dieffenbachia plant, Areca plant, Aglaonema plant, Monstera, four wall Bamboo, Croton plant etc.) Item inclusive of all accessories, planter pot of plastic or wooden, as approved by Architect, protecting installation by avg. 20-micron polythene sheet till handover of facility etc. complete. Rate also to include polished stone pebbles of different colour of appx. 2"size or as require to cover base of plant at pot top. The type and height will be decided after evaluating the various mock-up plants provided by the vendor from various professional sources in New Delhi, complete to the satisfaction of Architect/ Engineer.	12	Nos		
<b>12.4</b>	<b>Natural green plants with pots</b>	20	no,		
	Providing and fixing natural green indoor plants with pots. Height of plant not less than 1000 mm and dense foilage, Plants can be Dieffenbachia plant, Areca plant, Aglaonema plant, Monstera, etc. including fertilizer, soil, cocopeat, and terracotta/ceramic pot of size appx. 18" complete in all respect as per approval.				
<b>12.5</b>	<b>STAINLESS STEEL DUSTBINS</b>				
<b>A</b>	Providing and Supplying <b>S.S. Dustbins (Dry)</b> , avg. 300 mm dia. Foot Pedal Bin of avg. height appx.400 mm perforated matt finish, with all turned, well-formed and moulded edges at the bucket rim. Item to include sample approval from Architect/Bank's Engineer.	30	Nos.		
<b>B</b>	Dustbin for toilet in SS solid matt finish with rest specifications same as item no. 16.10.	2	Nos.		
<b>C</b>	Plastic Dustbin for pantry (Foot Pedal Bin) size approx. 400 mm dia and 450-500 mm high.	1	Nos.		




12.6	P/F of aluminium louvered shutter front of electrical panel comprising of aluminium frame of approved section appx. 2" x 2", 14-gauge, powder coated 60-65 micron of approved shade, with aluminium louvered shutters of size appx. 40mm. complete in all respect including all hardware, handle fixing arrangement etc. as per instructions of project incharge.	3	Sq.m.		
<b>12.7</b>	<b>LED SCREEN</b>				
12.7.1	Supply , installation testing and commisioning of UHD 4K 86" inches Led Screen , Android	1	No.		
	having Resolution 3840 X 2160, VA Panel D-LED having brightness 400 cd/m <sup>2</sup> etc. with following inputs-				
	a. HDMI In- 2.				
	b. DP In/ DP Out – 1.				
	c. VGA In- 1.				
	d. USB- USB 2.0 X 1.				
	e. HDMI out- 2.				
	f. Built in WIFI and bluetooth				
	Of , LG( MODEL : 86UR8050PSB/ Samsung / EQUIVALENT APPROVED .				
12.7.2	Supply , installation testing and commisioning of round indoor full colour flexible LED display , led panel curve, LED screen 30" high around 3'-9" dia circle , complete as:	1	No.		
	Rak : P 2.5 indoor unilumin/qiangli 320mm x 160 mm module with SMD 1921 Lamps , brightness>800, Refresh>3840Hz , IP rating : IP43 , cabinet -MS-PC Frame , power supply - Rong 200w . Complete with Led media player ,USB/LAN/WIFI/HDMI, Video processor . Rate to include transpotation,support structure frame and installation at site complete in all respect. Rate to also include AMC for three years.				
					
12.8	Providing and fixing 12 mm thick , 1350mm wide and 200mm deep toughen glass shelves with S.S. fitting as required for display of things complete in all respect .	10	Nos.		
<b>SUB TOTAL: 12.0: MISCELLANEOUS</b>			<b>RS,</b>		



SUMMARY						
						Supply & Installation INR
A	SUB DISTRIBUTION PANELS				Rs.	-
B	DISTRIBUTION BOARDS				Rs.	-
C	RACEWAYS AND CABLE TRAYS				Rs.	-
D	CABLES, MAINS & SUB MAINS				Rs.	-
E	EARTHING				Rs.	-
F	POINT WIRING				Rs.	-
G	CONDUITING FOR TELEPHONE, COMPUTER & CONDUITING AND WIRING FOR T.V. SYSTEM.				Rs.	-
H	SUPPLY & FIXING OF LIGHTING FIXTURES				Rs.	-
J	ADDRESSABLE PA SYSTEM				Rs.	-
	<b>TOTAL INR</b>					-
K	NETWORKIG SYSTEM				Rs.	-
	<b>GRAND TOTAL INR</b>					-

GST WILL BE EXTRA @ 18%

SI No..	Description	Unit	Qty.	Supply & Installation	
				Rate In Rs.	Amount In Rs.
<b>A</b>	<b>SUB DISTRIBUTION PANELS</b>				
1	Providing & fixing of the followings MCB in the existing Panels including power wire connecting from Busbar to MCB				
a	63 Amp 4P MCB	Set	<b>3</b>		
b	63 Amp DP MCB	Set	<b>2</b>		
c	40 Amp DP MCB	Set	<b>2</b>		
2	Shifting panel and disconnecting of existing Cables from existing location to new locations of existing Panels etc as required, complete in all respect	L.S	<b>1</b>		
3	Supply & Fixing of Remotely controlled Emergency push button Station for only OFF button Including relays/ Module and accessories	Set	<b>2</b>		
					
4	Supply & Fixing of 63 amp 4 Pole contactor in the existing I&P DB etc complete as required	Nos	<b>2</b>		
5	Supply & Fixing of RYB Indication lamp with BOQ /power cable from DB to Entrance near Entrance	Set	<b>2</b>		
6	Providing & fixing in position 1000 mm wide , Electrical Insulating Mats as per IS 15652:2006, 2mm thick, suitable up to 3.3 KV , fire retardant,no effect of acids, alkalies and transformer oils, moisture proof, high tensile strength and texture finish / cloth impression (Anti slip , marking on top) .	RM	<b>2</b>		
7	Supply & fixing in position the best quality danger notice boards of approved shape & size as reqd. by the local Electrical Inspecting Authority written in English, Hindi & local language.	Nos.	<b>1</b>		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>				

<b>B</b>	<b>DISTRIBUTION BOARDS</b>				
1	Supply,installing ,connecting testing and commissioning of the following double door 1/4 rows vertical type 1.6 mm thick and 1.4 thick door sheet steel enclosed fully recessed type, TPN Miniature Circuit Breakers Distribution Boards dust proof, verm-in proof, with hinged and lockable doors complete with DP MCB's and inter-connection with copper wire , insulated copper bus bar , cable glands-/conduit entry bushes, bonding to earth and paint-ing. Also provide separate neutral busbar for each phase. Provide separate Earth Links for each phase. Use brass thimbles for connections of all wires. 1 row for single phase and 4 rows for 3 phase. Provide separate 4 way 63 A main neutral link also. The phase busbar links shall be factory pre insulated.				
<b>1</b>	<b>Light &amp; Power Distribution Board</b>				
a	8+2 Way TPN DB, each phase consisting of 6 Nos. 10/20 AMP SP MCB's and controlled by one number 100 mA sensitivity 40 AMPS DP RCCB backed up with 1 no 40 Amps 4 pole MCB.	Nos	<b>1</b>		
b	10+2 Way TPN DB, each phase consisting of 8 Nos. 10/20 AMP SP MCB's and controlled by one number 100 mA sensitivity 63 AMPS DP RCCB backed up with 1 no 63 Amps 4 pole MCB. (L&P DB)	Nos	<b>1</b>		
c	10+2 Way SPN DB, consisting of 8 Nos. 10/20 AMP SP MCB's and controlled by one number 100 mAsensitivity 40 AMPS DP RCCB backed up with 40 Amps DP MCB. (For Emergency light)	Nos	<b>1</b>		
<b>2</b>	<b>UPS Distribution Boards (All MCB's in UPS DB's should be D Curve)</b>				
a	8+2 Way TPN DB, each phase consisting of 6 Nos. 10/20 AMP SP MCB's and controlled by one number 100 mA sensitivity 40 AMPS DP RCCB backed up with 1 no 40 Amps 4 pole MCB.	Nos	<b>1</b>		
3	Supply, installation, testing and commissioning of sheet metal enclosure with 63 A 4P MCB. This shall include cable entry boxes both for incoming cables) For 10 KVA UPS.	Nos.	<b>1</b>		

4	Supply, installation, testing and commissioning of sheet metal enclosure with 63 A DP MCB. This shall include cable entry boxes both for incoming cables) For 10 KVA UPS.	Nos.	1		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>				

<b>C</b>	<b>RACEWAYS AND CABLE TRAYS</b>				
1	Fabricating supplying to site of installation, installation on <b>ceiling/ surface 1.6 mm</b> thick G.I raceways of height 50 mm and 1.6 mm thick openable cover, totally enclosed, the joints between two lengths of channels or between channel and junction box shall be joined together with 3 mm thick G.I coupler plates to make it dust and water proof. The cost shall including all supporting and fixing accessories including dash fasteners. The maximum spacing of the supporting arrangement shall be 1.2 M.				
a	100 mm (wide) x 50 mm (height)	RM	<b>40</b>		
2	Fabricating supplying to site of installation, <b>Junction boxes</b> for Ceiling raceways made from 1.6 mm thick , with 1.6 mm thick G.I. including providing neoprene gaskets between the cover and the junction box, cadmium plated flat/round head screws, height as per site condition,totally enclosed. Proper cutouts shall be made in the side walls for raceway entry wherever required. The junction box shall be all side walls should be welded except top cover and all side walls shall have suitable size of rectangular knock out holes for taking raceways / conduits as required and not a complete cut out. The top cover should be sealed with M Seal to make it dust and water proof complete as required etc.				
a	150 mm x 150 x 60 mm (height)	Nos.	<b>5</b>		
3	Fabricating supplying to site of installation, <b>in floor</b> including chase cutting of floor,leveling, refilling and making good the same from 1.6 mm thick and 2 mm thick cover pregalvanised G.I sheet, totally enclosed, height 40 mm . The two lengths of raceways shall be fitted with Collars , 50 mm wide, 3 mm thick , press fit type. The raceways shall be clamped to the floor slab with GI clamps , 3mm thick and shall be screwed to the floor slab. The joint between raceway and junction box will be made with GI flexible strip( 3 nos), 3 mm thick, 4 inches long ,15 mm wide which will be nut bolted to the Junction box complete as required etc.				
a	250 mm (wide) x40 mm (height)	RM	<b>20</b>		
b	150 mm (wide) x40 mm (height)	RM	<b>45</b>		

c	100 mm (wide) x 40 mm (height)	RM	40		
4	Fabricating supplying to site of installation, <b>Junction boxes for floor</b> raceways made from 1.6 mm thick , with 2.0mm thick G.I power coated cover including providing neoprene gaskets between the cover and the junction box, cadmium plated flat/round head screws, height as per site condition,totally enclosed. Proper cutouts shall be made in the side walls for raceway entry wherever required. The junction box shall be all side walls should be welded expect top cover and all side walls shall have suitable size of rectangular knock out holes for taking raceways / conduits as required and not a complete cut out. The top cover should be sealed with M Seal to make it dust and water proof complete as required etc.				
b	200 mm x 200 x 60 mm (height)	Nos.	20		
c	150 mm x 150 x 60 mm (height)	Nos.	15		
d	50 mm x 50 x 60 mm (height)	Nos.	10		
5	Design manufacture , supply and fixing in position the cable trays of the following sizes for supporting 1.1 KV grade armoured/unarmoured aluminium /copper conductor cables. Fabricate the cable trays from perforated 1.6/2mm thick M.S. CRCA sheet duly galvanised with expansion coupler plates duly galvanised, with bolts, washer and nuts. Knock out holes for cable connections as per approved design. The tray should comply with the specification of NEC (National Electric Codes) and NEMA (National Electric Manufacturers Association). The steel should be as per IS:226 and galvanising as per IS :2629/BS 729/ASTM 123. The fixing of cable trays include necessary ceiling suspended / wall mounted supports fixed in ceiling with Fabricated Ms Angle supports,Ms C channel,Base plate etc, The rate shall include bends, angles, Ts, HITECH ROD and all accessories complete Supports Shall be provided at every 1200mm. The cost of supports to be included. Supports must be welded to a square true ceiling base plate with arc welding, the base plate must be fixed to the true ceiling with 04 nos. of HILTI anchor fasteners. Supports must be made out of MS L angle type for cable tray width of 450mm and above. For Less than 450mm width tray support with hi-tech threaded rods & anchor fasteners.				
	The maximum spacing of the supporting arrangement shall be 1. 2 M.				
a	150 mm wide x 40 mm x 1.6 mm thk	RM	50		
b	300 mm wide x 40 mm x 1.6 mm thk	RM	35		
<b>TOTAL CARRIED OVER TO SUMMARY</b>					



<b>D</b>	<b>CABLES, MAINS &amp; SUBMAINS</b>				
1	Supply and laying, effecting proper connections, testing & commissioning of the following sizes of 1.1 KV armoured XLPE / unarmoured Cross linked polyethylene insulated, PVC sheathed (XLPE), conforming to IS: 7098 (Part-1)- 1988 ( 90 deg C) aluminium /copper conductor cables conforming to IS : 1554 and IS 694 for Flexible copper cable Part I - 1976 with latest amendments laid over MS supports in existing RCC ducts/ laid in ground /laid on Cable Trays including clamping the cables to supports in an approved manner as required complete with all accessories.All cables shall have thermo setting insulation XLPE and low emission of smoke and corrosive gas when affected by fire.				
1.1	<b>Armoured Aluminium Cable</b>				
a	3.5 c x 70 sq.mm 1.1 KV grade XLPE Insulated sheathed armoured aluminium conductor cable (L&P SDB)	RM	<b>45</b>		
1.2	<b>Armoured Copper Cable</b>				
a	4 c x 16 sq.mm 1.1 KV grade XLPE Insulated sheathed armoured copper conductor cable	RM	<b>70</b>		
b	4 c x 10 sq.mm 1.1 KV grade XLPE Insulated sheathed armoured copper conductor cable	RM	<b>40</b>		
c	3c x 4 sq.mm 1.1 KV grade XLPE Insulated sheathed armoured copper conductor cable	RM	<b>75</b>		
d	3c x 6 sq.mm 1.1 KV grade XLPE Insulated sheathed armoured copper conductor cable	RM	<b>70</b>		
e	1c x 10 sq.mm FRLS XLPE insulated flexible copper conductor cables	RM	<b>30</b>		
f	1c x 16 sq.mm FRLS XLPE insulated flexible copper conductor cables	RM	<b>40</b>		

2	Supplying and making of end termination for the following size of 1.1 KV XLPE insulated copper conductor armoured cables including providing heavy duty copper terminal crimping lugs, solder, insulation tape, approved sealing epoxy compound, double compression brass cable glands, effecting gland connections and effecting terminal connections to the equipment complete as required. Use compression lugs and PG Threaded Nylon Flexible cable glands for single core flexible cables.				
2.1	<b>Armoured Aluminium Cable</b>				
a	3.5 c x 70 sq.mm 1.1 KV grade XLPE Insulated sheathed armoured aluminium conductor cable	Sets	4		
2.2	<b>Armoured Copper Cable</b>				
a	4 c x 16 sq.mm 1.1 KV grade XLPE Insulated sheathed armoured copper conductor cable	Sets	6		
b	4 c x 10 sq.mm 1.1 KV grade XLPE Insulated sheathed armoured copper conductor cable	Sets	4		
c	3c x 4 sq.mm 1.1 KV grade XLPE Insulated sheathed armoured copper conductor cable	Sets	4		
d	1c x 10 sq.mm FRLS XLPE insulated flexible copper conductor cables	Sets	8		
e	1c x 16 sq.mm FRLS XLPE insulated flexible copper conductor cables	Sets	8		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>				

<b>E</b>	<b>EARTHING</b>				
1	Providing and fixing in position the following copper strips and wires including providing all fixing accessories and effecting proper connections				
b.	G.I. tape 25 mm x 6 mm	RM	<b>60</b>		
d.	GI wire 8 SWG	RM	<b>100</b>		
2	Supply and laying, effecting proper connections, testing & commissioning of the following sizes of 1.1 KV armoured XLPE/ unarmoured Cross linked polyethylene insulated, PVC sheathed (XLPE), conforming to IS: 7098 (Part-1)- 1988 ( 90 deg C) aluminium /copper conductor cables conforming to IS : 1554 and IS 694 for Flexible copper cable Part I - 1976 with latest amendments laid over MS supports in existing RCC ducts/ laid in ground /laid on Cable Trays including clamping the cables to supports in an approved manner as required complete with all accessories.All cables shall have thermo setting insulation XLPE and low emission of smoke and corrosive gas when affected by fire.				
a	1c x 16 sq.mm FRLS XLPE insulated flexible copper conductor cables	RM	<b>120</b>		
b	1 x 10 Sq. mm FRLS XLPE insulated flexible copper conductor cables (Green Colour for UPS DB Sub-main Earthing)	RM	<b>50</b>		
c	1 x 6 Sq. mm FRLS XLPE insulated flexible copper conductor cables (Green Colour)	RM	<b>20</b>		
3	Supplying and making of end termination for the following size of compression lugs and PG Threaded Nylon Flexible cable glands complete with all fixing accessories as required				
a	1c x 16 sq.mm FRLS XLPE insulated flexible copper conductor cables	Sets	<b>4</b>		
b	1 x 10 Sq. mm FRLS XLPE insulated flexible copper conductor cables (Green Colour for UPS DB Sub-main Earthing)	Sets	<b>6</b>		

4	Supply, Installation, testing and commissioning of Copper Maintenance Free Earthing of make Electrolytic Earthing comprising of type 'K' copper 2.4 mm wall thickness, hollow tube 10 feet long, 2.125 inches outer diameter completely filled with non hazardous metallic salts (Terrafill) to achieve an earth resistance of less than 1 ohms. Provide masonry chamber with concrete base, CI man-hole cover (cover to be heavy duty) with frame (300mm x 300mm) and make earth pit sign/ identification no in each earth station <b>for UPS &amp; Server</b>	Nos.	<b>2</b>		
5	Supply, installation, testing and commissioning of sheet metal enclosed with vision glass door 250 x 150 x 125 ( D) mm insulated earth distribution board with 1 nos. 32 x 6 mm copper tinned earth bars on SMC insulator suitable for 6/8 nos connections complete with all fixing accessories as required.	Nos.	<b>1</b>		
6	Supplying and laying of the following sizes of Heavy duty PVC Pipes below paved area including chase cutting and back filling. For earthing cables and Fiber cables				
a.	100 mm outer dia	RM	<b>15</b>		
<b>TOTAL CARRIED OVER TO SUMMARY</b>					

<b>F</b>	<b>POINT WIRING</b>				
1	Wiring for the following light points with 3x1.5 Sq.mm FRLS PVC insulated stranded copper conductor wires in concealed MS conduit in F.ceiling/walls/ceiling as directed including providing and fixing of 6 amps flush type switches, 5 sided G.I. Boxes for housing switches and earthing complete as required.Rates are inclusive of 3 x 1.5 sq mm FRLS PVC insulated stranded copper conductor wires for circuit				
a.	<b>First point</b> controlled by one no. 6 amp switch.	Nos.	<b>70</b>		
b	Extra Loop light point in same switch	Nos.	<b>125</b>		
2	Wiring for the following light points controlled by MCB in DB (Cost of MCB has been taken elsewhere in the tender) with 3x 1.5 sq. mm FRLS PVC insulated copper conductor wires in concealed/exposed MS conduit as called for and earthing.				
a.	First point controlled by existing MCB in D.B. To first light for emergency light & Exit signage	Nos.	<b>4</b>		
b.	Additional light points in the same circuit	Nos.	<b>28</b>		
3	Wiring for 6/16 amps light plug outlets with 3 x 2.5 sq.mm FRLS PVC insulated copper conductor wires in MS conduit in ceiling/walls/floor as directed including providing 6/16 amps flush type 5 pin socket and 16 amps switch with cover plate, 5 sided G.I. boxes for housing switches, sockets and earthing complete as required. <b>(for general areas)</b>	Nos.	<b>22</b>		
4	<b>Wiring for inline fan points</b> with 2 x 2.5 sq.mm FRLS PVC insulated stranded copper conductor wires in concealed MS conduit in F.ceiling/ walls/ Ceiling as directed including providing providing and fixing of 16 amps flush type switches 16 amps 3 pin socket near inline fan, 5 sided G.I. boxes for housing switches and 16 amps 3 pin socket outlet and earthing and complete as required.(including body earth for GI boxes)	Nos.	<b>2</b>		
7	Wiring for the Exhaust /wall fan points with 1.5 Sq.mm FRLS PVC insulated stranded copper conductor wires in concealed/exposed MS conduit in ceiling / walls as directed including providing Hexagonal fan Box , Electronic fan regulator, 6 amp switch, 5 sided G.I. Boxes, for housing the regulator and earthing complete as required.	Nos.	<b>20</b>		

8	<b>Wiring for Geyser points</b> with 3 x 4 sq mm FRLS PVC insulated copper conductor wires in concealed MS conduit in F.ceiling/ walls/ Ceiling as directed including providing 16 amps flush type switch near the white board and 6/16 amps 6 pin socket near the projector in ceiling , 5 sided G.I. boxes for housing switches and 6/16 A 6 pin socket outlet , earthing and complete as required.(including body earth for GI boxes) ( 1 point per circuit)	Nos.	<b>2</b>		
9	Wiring for 16 amps power outlet points with 4.0 sq.mm FRLS PVC insulated stranded copper conductor wires in concealed/recessed MS conduit as directed including providing providing and fixing of 16 amps flush type switch and 6 pin socket with cover plate 5 sided G.I. boxes for switches and socket and earthing the third pin with 4.0 sq mm FRLS PVC PVC stranded copper wire complete as required (including body earth for GI boxes).				
a	One 16 Amps point per circuit	Nos.	<b>2</b>		
b	2nos 16 Amps point per circuit	Sets	<b>3</b>		
11	<b>Wiring for A/C outlet points with 4.0 sq mm</b> FRLS PVC insulated stranded copper conductor wires in MS conduit/wall/floor ducts as directed including providing 25 A socket with 25 amps SP MCB ( Tiny Trip) 5 sided PVC Outlet Box for housing and socket and MCB and earthing with 2.5 sq. mm FRLS PVC insulated stranded Copper Conductor wires complete as required.	Nos.	<b>3</b>		
12	<b>Wiring for UPS/Raw plug outlets points</b> with three core, 2.5 sqmm FRLS PVC Insulated and PVC sheathed flexible cable with bright annealed electrolytic copper conductor , 1100 volt grade confirming to IS : 694-1990 with latest amendments, in existing Channels/ conduit in ceiling/walls/floor including all cable termination accessories) Earthing of GI Box to be included. Colour Coding to be followed . For Workstation UPS and Raw power wiring				
a	<b>Primary point including circuit cables</b>	Nos	<b>30</b>		
b	<b>Secondary loop point in same circuit</b>	Nos	<b>60</b>		
13	<b>wiring for UPS/Raw plug outlets points</b> with three core, 4 sqmm FRLS PVC Insulated and PVC sheathed flexible cable with bright annealed electrolytic copper conductor , 1100 volt grade confirming to IS : 694-1990 with latest amendments, in existing Channels/ conduit in ceiling/walls/floor including all cable termination accessories) Earthing of GI Box to be included. Colour Coding to be followed . For Workstation UPS and Raw power wiring				

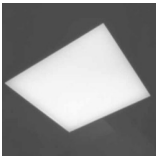




a	<b>Primary point including circuit cables</b>	Nos	<b>2</b>		
b	<b>Secondary loop point in same circuit</b>	Nos	<b>2</b>		
14	<b>Wiring for UPS/Raw plug outlets points</b> with three core, 4.0 sqmm FRLS PVC Insulated and PVC sheathed flexible cable with bright annealed electrolytic copper conductor , 1100 volt grade conforming to IS : 694-1990 with latest amendments, in existing Channels/ conduit in ceiling/walls/floor including all cable termination accessories) Earthing of GI Box to be included. Colour Coding to be followed .	RM	<b>45</b>		
15	<b>Providing and fixing of 1 Nos.6 amp flush type 3 pin socket</b> and 1 No. 6 amps switch cover plate, 5 sided G.I. Boxes for housing switches and sockets and earthing complete as required (for Raw/ UPS). GI Box to have earth pin for body earthing	Nos.	<b>45</b>		
16	Providing and fixing of <b>3 Nos.6 amp flush type 3 pin socket</b> and 1 No. 16 amps switch cover plate, 5 sided G.I. / PVC moulded Boxes for housing switches and sockets and earthing complete as required (for UPS/RAW). GI Box to have earth pin for body earthing.	Nos.	<b>40</b>		
17	Providing and fixing of <b>1 No.16 amps flush type 6 pin socket</b> and 1 No. 16 amps switch with indicator, cover plate, 5 sided G.I. Boxes for housing switches and sockets and earthing complete as required (for UPS & Raw) GI Boxes to have earth pin for body earthing.	Nos.	<b>10</b>		
18	Supply and fixing of the following sizes of thermoplastic moulded plug and socket IEC 309 type in PVC Box of suitable size flush / surface and making connections complete as required. The box shall be IP 44.				
a	3 pin 32 A 1 phase industrial socket plug top	Nos.	<b>2</b>		
19	Providing and fixing in position the following MS conduits including all accessories concealed in F. ceiling/wall/floor as required including 1.6 mm thick MS junction or pull boxes with 3mm thick perspex sheet cover plate complete with 1.6 mm dia. G.I. pull wires in the length of conduit.				
a.	20 mm dia conduit ( 1.6 mm thick)	RM	<b>75</b>		
b.	25 mm dia conduit (1.6 mm thick)	RM	<b>150</b>		
c.	32 mm dia conduit (2.0 mm thick)	RM	<b>50</b>		

20	The Electrical Contractor shall provide sufficient temporary lighting for working in the Building total area .It shall include providing 4 Sets of Portable power distribution boards with 4 nos 16/32 A single phase plug sockets and 1 nos 32 Amps 3 phase plug socket (industrial type with ON/OFF MCB) .Provide Temporary arrangement for working of branch , temporary connections for data , power, telephone during execution of work etc.	L.S.	1		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>				



<b>G</b>	<b>CONDUITING FOR DATA &amp; CONDUITING AND WIRING FOR T.V. SYSTEM.</b>				
1	Providing and fixing in position the following <b>MS conduits</b> including all accessories concealed in F. ceiling/wall/floor as required including 1.6 mm thick MS junction or pull boxes with 3mm thick perspex sheet cover plate compl-te with 1.6 mm dia. G.I. pull wires in the length of conduit.				
b.	25 mm dia conduit ( 1.6 mm wall thickness)	RM	<b>150</b>		
c.	32 mm dia conduit ( 1.6 mm wall thickness)	RM	<b>100</b>		
2	Providing and fixing in position suitable 1.2 mm thick G.I./ PVC outlet box for RJ- 45 computer outlet with all fixing accessories as required.	Nos.	<b>65</b>		
3	Supply and fixing of 1.2 mm thick G.I Box along with RG 11 TV Co axial socket with Cover Plate	Nos.	<b>1</b>		
4	Supply drawing connecting testing and commissioning of TV Coaxial cable RG 6 in existing conduit	RM	<b>100</b>		
	<b>TOTAL CARRIED OVER TO SUMMARY</b>				

BOQ BANK OF BARODA , (GROUND FLOOR) SOUTH REGION . ELECTRICAL SUPPLY& INSTALLATION WORKS

Sl No..	Image	Description	Unit	Qty.	Supply	Installation	Supply	Installation
					Rate In Rs.	Rate In Rs.	Amount In Rs.	Amount In Rs.
<b>H.</b>		<b>SUPPLY &amp; FIXING OF LIGHTING FIXTURES</b>						
		Make Divinity/Havells/ Wipro						
		<b>The colour temperature of the lamps shall be 5700 deg K.</b>						
1		Recessed ceiling luminaire LED(Light Emitting Diode) system wattage 35W, 5700K,,Luminous Flux of luminaire is 2929.5lm, CRI >80, 230V, direct light emission, sheet metal housing, Powder Coated white, opal diffuser in synthetic material,fixation with of support, halogen-free internal wiring, integral HFelectronic control gear Protection class I, IP40,L = 595 mm B = 595mm, H = 75mm .	Nos	<b>60</b>				
2		1 x 32 watts LED suspended light wipro cat no. Lineos 4ft 32 w , White (LM31-401-XXX-57-XX) or equivalent with suspension -Lineos suitable for installation on RCC ceiling (SET)(WVX861) . complete in all respect .	Nos	<b>38</b>				
3		Divinity Lights Recessed AMIGO ROUND Down light LED with LED (Light Emitting Diode) system power: 12W, luminous flux of luminaire 902lm, 5700 K , Neutral White, CRI >80, 230V, direct light emission, housing in Aluminium white, wide beam, with ceiling trim white, ON/OFF, Protection class I, IP40 Outer DAø = 154mm , Cutout dia =144 mm, H=55mm	Nos	<b>70</b>				
4		Cove light flexible strip light 5 Watts/mtr ( Qty in running mtrs) wipro cat no-LS06-005-120-WW-50	Rmt	<b>350</b>				
5		7 W LED Spot light	Nos	<b>4</b>				
6		SITC of 3 Watts LED Ni Cd Battery backup up to min 90 minutes, <b>emergency Exit light of Prolite Make</b> or equivalent. The sample shall be submitted before ordering.	Nos	<b>4</b>				
7		Havells Airboll High Speed 450mm Wall Fan (White) complete in all respect.	Nos	<b>4</b>				
8		Refixing existing wall fans and exhaust fans after cleaning in all repect.	Nos.	<b>16</b>				
9		Havells Uneco Suspended Spot light 20w or equivalent	Nos.	<b>6</b>				
10		Decorative, Customised , LED Pendent Light fixture as per architects /client approval basic cost Rs 18000	Nos	<b>3</b>				
		<b>TOTAL</b>						
		<b>TOTAL CARRIED OVER TO SUMMARY</b>						

SI No..	Description	Unit	Qty.	Supply & Installtion Rate	
				Rate In Rs.	Amount In Rs.
<b>J</b>	<b>PUBLIC ADDRESS SYSTEM</b>				
1.0	Providing and fixing in position the following FRLS PVC conduits including all accessories concealed in False ceiling/walls/partitions as required including 5 sided 1.5mm thick FRLS PVC junction boxes and 3mm thick perspex sheet cover plate complete with G.I. pull wires.				
a.	1.6mm wall thickness 20mm dia	RM	220		
b.	1.6mm wall thickness 25 mm dia	RM	20		
2.0	Providing and fixing in position the following G.I. flexible conduits including all accessories				
a.	1.6mm wall thickness 20mm dia	RM	20		
3.0	Supply, installation, testing and commissioning of following Philips (BOSCH) make Music Accessories / Equipments.				
a.	Supply, installation, testing and commissioning of complete loud speaker ceiling mounted type , Complete as required (Simliar to Bosch LBD 0606) with metal grill.	Nos.	15		
4.0	Wiring with 2 core 24/.2 mm PVC insulated twisted copper conductor wires in existing conduit/ trunking as required.	RM	280		
	<b>TOTAL</b>				
	<b>TOTAL CARRIED OVER TO SUMMARY</b>				

Nodes Summary							
<b>Total DATA Nodes ( 2 DATA AT EACH TABLE)</b>					<b>88</b>		
<b>Total Voice Nodes</b>					<b>40</b>		
<b>Total Nodes (DATA+Voice)</b>					<b>128</b>		
Average Length/Ports in Mtrs					40		
BOQ for Supply of Passive Copper Cabling							
A: Horizontal Cabling (For Data)							
Sl.No.	Make	ITEM DESCRIPTION	UOM	Total Qty	Unit Rate(Rs.)	Amount(Rs.)	
<b>Supply &amp; Installation of Followings items including penta scanning</b>							
A.1		GS8E CAT6 Modular Patch Cords,7Ft , <b>BLUE</b> - for Data -User end	Each	<b>88</b>			
A.2		CAT 6 MGS400 I/O for Data Points (for user & Rack end) <b>blue</b> Colour	Each	<b>164</b>			
A.3		2 Port Face Plate Shuttered (85*85mm),white color	Each	<b>5</b>			
A.4		4 Port Face Plate Shuttered (85*85mm),white color	Each	<b>60</b>			
A.5		GigaSPEED® XL 3071 ETL Verified Category 6 U/UTP Cable, low smoke zero halogen white jacket,4 pair count,1000ft (305m) length,WE TOTE@ box for DATA	Box/3 05mtr	<b>12</b>			
A.6		M2000 U/UTP Modular Panel 1U, 24 port angled Data	Each	<b>4</b>			
A.7		CAT 6 MGS400 I/O for Data Points (for rack end) <b>BLUE</b> Colour	Each	<b>96</b>			
A.8		GS8E CAT6 Modular Patch Cords,7Ft , <b>BLUE</b> - for Data - Rack end	Each	<b>88</b>			
B: Horizontal Cabling (For Voice)							
B.1		CAT 6 MGS400 I/O for Voice Points (for user end) Yellow Colour	Each	<b>40</b>			
B.2		GigaSPEED® XL 3071 ETL Verified Category 6 U/UTP Cable, low smoke zero halogen white jacket,4 pair count,1000ft (305m) length,WE TOTE@ box for VOICE	Box/3 05mtr	<b>6</b>			
B.3		M2000 U/UTP Modular Panel 1U, 24 port angled voice	Each	<b>2</b>			
B.4		CAT 6 MGS400 I/O for Voice Points (for rack end) <b>Yellow</b> Colour	Each	<b>80</b>			
B.5		GS8E CAT6 Modular Patch Cords,7Ft , <b>Yellow</b> - for Voice - Rack end	Each	<b>40</b>			
C: Voice Resources							
C.1		25 Pair Indoor riser cable	Mtr	<b>25</b>			
C.2		M2000 U/UTP Modular Panel 1U, 24 port angled for voice resources	Each	<b>2</b>			
C.3		CAT 6 MGS400 I/O for Voice Points (for rack end) <b>Yellow</b> Colour voice resources	Each	<b>48</b>			
C.4		50 Pair Krone MDF (Field Riser cable)	Each	<b>1</b>			
C.5		10 Pair Disconnection Module	Each	<b>5</b>			
C.6		Jumper Wire ,100Mtr Roll	Roll	<b>2</b>			
D: Network Rack & Accessories							
F.1		42 U Closed Data RACK/Aluminium-M6 Tapped/2Post/45U/Powder Coated/19"DIN/Black including cable manager , Caster wheels and rear and front door	Each	<b>1</b>			
F.2		Run-Way Kit-20Inch	Each	<b>1</b>			
F.3		Mounting Hardware/OR/Pk-20	Each	<b>2</b>			
F.4		1Ph, 230V, 16A, 2U standard rack mount power distribution unit with 6 X Indian Round Pin 5/15A, Inlet Plug type 16A Indian Round Pin with 3 meter input cable	Each	<b>2</b>			
D: Misc.Items for Cabling							
G.1		Copper Consumables items Ferrule Tube for UTP cables, Bubble Wrap grounds for securing cables, Rack Name Plates,Cable Ties,Velcro Tie etc	LS	<b>1</b>			
<b>Grand Total for Supply &amp; Installation</b>						<b>INR</b>	<b>-</b>

<b>SUMMARY OF COSTS</b>				
<b>AIRCONDITIONING SYSTEM - OVERALL SUMMARY</b>				
<b>ITEM</b>	<b>DESCRIPTION</b>			<b>AMOUNT</b>
1.0	SECTION 'A' - REFURUBISHMENT WORKS			
2.0	SECTION 'B' - LOW SIDE HVAC WORKS			
3.0	SECTION 'C' - SPLIT UNITS FOR TECHNICAL AREAS			
	<b>T O T A L</b>	Rs.		
<b>GAT EXTRA</b>				
<b>SECTION 'A' - REFURUBISHMENT WORKS</b>				
<b>ITEM</b>	<b>DESCRIPTION</b>			<b>AMOUNT</b>
1.0	EQUIPMENT			
	<b>T O T A L -SECTION 'A'</b>	Rs.		
<b>SECTION "B" :CHW BASED AHUs FOR OFFICE AREA - LOW SIDE</b>				
<b>ITEM</b>	<b>DESCRIPTION</b>			<b>AMOUNT</b>
1.0	EQUIPMENT			
2.0	PIPING			
3.0	DUCT WORK/ AIR TERMINALS			
4.0	INSULATION			
	<b>T O T A L -SECTION 'B'</b>	Rs.		
<b>SECTION 'C' - SPLIT UNITS FOR 24X7 AREAS</b>				
<b>ITEM</b>	<b>DESCRIPTION</b>			<b>AMOUNT</b>
1.0	SECTION C			
	<b>T O T A L-SECTION 'C'</b>	Rs.		

BILL OF QUANTITIES					
SECTION 'A' - REFURUBISHMENT WORKS					
S.NO	ITEM DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
1.0	<b>EQUIPMENT</b>				
1.1	<b>DISMANTELING &amp; REINSTALLATION OF EXISTING SPLIT UNITS</b>				
	Dismanteling & reinstallation, Testing and Commissioning of following existing split units in same premises. Price shall be inclusive of gas charging/top-up. All units to be checked properly physically before re-installation. Quoted price shall be exclusive of maintance work & health checkup.				
i.	2TR/1.5TR/1.0TR Hi wall split unit	No	1		
<b>TOTAL ITEM NO. 1 (EQUIPMENT)</b>					
SECTION 'B' - LOW SIDE HVAC WORKS					
1.0	<b>EQUIPMENT</b>				
1.1	<b>INLINE FANS</b>				
	Supply, Installation, Testing & Commissioning of circular /rectangular inline fans for exhaust air complete with sheet metal casing, direct driven centrifugal fan, motor with proper protection and inspection door. Fan shall be suitable for operation on 220+6 % volts, 50 Hz,1phase AC power supply. Fan shall be installed as shown in the drawings and will be of following characteristics : All single phase inline fans shall be provided with factory fitted speed regulators. All Fans Should be complete with Plug Top & necessary power cable.				
	<b>Fan No.</b>	<b>Capacity (Cfm)</b>	<b>S.P (mmWG)</b>	<b>Area to be exhausted</b>	
	IF-2	350	14-15	Toilet	No 1
	IF-3	500	14-15	Toilet	No 1
<b>TOTAL ITEM NO. 1 (EQUIPMENT)</b>				<b>Rs.</b>	

2.0	<b>PIPING</b>				
2.1	<b>CONDENSATE DRAIN PIPING -cPVC</b>				
	Supply, Installation, Testing and Commissioning of cPVC pipes cut to required lengths and installed for condensate drain. Quoted price shall be inclusive of supply and fixing in position the necessary fittings like elbows, tees reducers etc., and supporting arrangement in accordance with the approved shop drawings and specifications. Pipes shall be insulated with 9mm thick closed cell elastomeric insulation with class 'O' fire retardant properties in tubing form . Pipes shall be of following sizes :				
a.	40mm dia	RM	20		
b.	32mm dia	RM	20		
c.	25mm dia	RM	10		
<b>TOTAL ITEM NO. 2 (PIPING )</b>					

3.0	<b>DUCTWORK/AIR TERMINALS</b>				
3.1	<b>FACTORY FABRICATED DUCTING</b>				
	Supply , Installation and Testing of factory fabricated GSS ducting complete with vanes, splitter dampers, fire retardant gaskets hanging arrangement including fully threaded GI rods and GI "C" channels/ rolled steel wires or Gripple Wire Rope Hangers & Supports complete with end fixing, GI "C" channels etc. as approved by clients/consultants in accordance with the approved shop drawings and specifications. Quoted price shall be inclusive of necessary scaffolding charges towards installation of supply/exhaust air ducts outside or within building wherever required. Quoted price should also include necessary charges towards duct supports including MS angle/channel arrangement as required for ducts being installed outside or within building wherever required.				
	Spacing between duct supports should not exceed 2m in both cases i.e GI rods with GI "C" channels & Gripple Wire Rope Hanger support . In case of Gripple Wire Rope Hanger support for duct sizes above 1800mm, MS angles duly painted with black enamel paint should be used along with neoprene pad in between the duct & MS angle. All duct support to be provided with check nuts (lock nuts).				
	While selecting the duct supports vendor shall ensure vibration free installation.Quoted price shall be inclusive of smoke test using smoke bombs.				
a.	1mm to 899mm -- 26G GSS with TDC Joints	SqM	200		
b.	900mm to 1200mm -- 24G GSS with TDC Joints	SqM	150		
c.	1201mm to 1800mm -- 22G GSS with TDC Joints	SqM	50		
d.	1801mm to 2100mm -- 20G GSS with TDC Joints	SqM	5		
3.2	<b>SITE FABRICATED DUCTING</b>				
	Supply, Fabrication, Installation and Testing of sheet metal ducts complete with vanes, splitter dampers, hanging arrangement including check nuts in accordance with the approved shop drawings and specifications.				
a.	0.63mm (24 gauge) GSS	SqM	20		
b.	0.8 mm (22 gauge) GSS	SqM	10		
3.3	<b>FLEXIBLE CANVASS CONNECTIONS</b>				
	Supply, Installation, Testing of 125mm deep antivibration flexible joints at the outlet of air handling units/ductable split units//inline fans. Flexible connections shall be constructed using imported fire retardant fabric with extruded aluminium frame/flange on both sides of approved make.	RM	10.5		
3.4	<b>LINEAR GRILLES</b>				



	Supply, Installation , Testing and Balancing of one way blow linear supply cum return air grilles complete with fixed core as per approved shop drawings and specifications. The grilles shall be of approved colour & shade.				
	Powder coated aluminium grilles of extruded sections with integral flanges on both sides & ends as required complete with corner pieces.				
	i. 100/150/200/250 mm High grilles	SqM	18.5		
3.5	<b>SUPPLY AIR DIFFUSERS</b>				
	Supply, Installation, Testing and Balancing of square supply air diffusers with removable key operated volume control dampers with opposed blades & 150mm high GSS plenum as per the approved shop drawings and specifications. The diffusers shall be anti-smudge ring type/flat type as approved by the interior designer. Diffusers shall be with removable core for the following neck sizes. The diffusers shall be suitable for fixing in the gypsum/grid ceiling. The diffusers shall be of regular type and with outer dimension of 600 x 600mm.				
	600x600 Powder coated extruded aluminium diffusers of approved colour & shade suitable for fixing in grid ceiling.	No	32		
3.6	<b>RETURN AIR DIFFUSERS</b>				
	Supply, Installation, Testing and Balancing of square return air diffusers same as supply air diffusers but without volume control dampers as per the approved shop drawings and specifications. The diffusers shall be anti -smudge ring /flat type.				
	600x600 Powder coated extruded aluminium diffusers of approved colour & shade suitable for fixing in grid ceiling.	No	27		
3.7	Supply, Installation, Testing and Balancing of flexible ducting comprising of inner as well as outer skin constructed out of aluminium & fibre glass insulation 25mm thick of minimum 24 kg/cu.m density insulation sandwiched in between. Duct should confirm to fire rating standards BS-476 part 5, 6 & 7. Flexible Ducts of following sizes as per approved shop				
	b. 250 mm dia	RM	2		
	c. 200 mm dia	RM	20		
	d. 150 mm dia	RM	15		
3.8	Supply, Installation and Testing of single piece GI round spigot made out of spinning process with 50mm height and having grooves on both sides and circular flanges. Spigots shall be installed on main ducts to facilitate connection of flexible ducts.				
	b. 250 mm dia	RM	4		
	c. 200 mm dia	RM	40		
	d. 150 mm dia	RM	30		

3.9	Supply, Installation and Testing of Butterfly damper of aluminium sheet construction with two flap with sleeve as per the specifications and shop drawings.				
b.	150 mm dia	No	2		
c.	200 mm dia	No	5		
d.	250 mm dia	No	4		
3.1	Supply, Installation and Testing of GI box type volume control dampers as per the specifications and shop drawings.- <b>For Rectangular Duct</b>	SqM	3		
3.11	Supply, Installation and Testing of GI multi blade type louver dampers as per the specifications and shop drawings.	SqM	5.5		
3.12	Supply, Installation, Testing and Commissioning of motorised fire dampers suitable for at least 120 minutes fire rating as per the specifications and approved shop drawings. Quoted price shall be inclusive of copper control wiring as required.				
a.	Bare Fire Dampers	SqM	3		
b.	Spring return action type actuator complete with control panel and temperature sensor. Torque not less than 16NM.	No	6		
<b>TOTAL ITEM NO.3 (Ducting &amp; Air Terminals)</b>				<b>Rs.</b>	
4.0	<b>INSULATION</b>				
4.1	<b>ACOUSTIC LINING OF DUCTS</b>				
4.1.1	<b>Using Open Cell Nitrile Rubber</b>				
	Supply and Application of internal acoustic lining of supply air ducting using open cell nitrile rubber insulation with density within 140-180 Kg/m <sup>3</sup> as per the approved shop drawings and specifications. Insulation material shall be bonded with the ducts using metal screw and washers to facilitate grip to the GI sheet.				
a.	10mm thick lining	SqM	50		
4.1.2	<b>Using Fibre Glass</b>				

	Supply and Application of internal acoustic lining of supply/return air ducting using resin bonded fibre glass insulation of density not less than 32Kg/CuM as per the approved shop drawings and specifications. Quoted price shall be inclusive of GSS channel, metal screws, washers, fibre glass tissue, perforated aluminium sheet of 24G etc. as required for complete installation.				
a.	25mm thick lining	SqM	40		
4.2	<b>THERMAL INSULATION OF DUCTS (Using Class 'O' Closed Cell Elastomeric insulation)</b>				
	supply /return air ducting using closed cell elastomeric nitrile rubber insulation with class 'O' fire retardant properties as per the specifications and drawings. Adhesive - AC Duct King Eco Fresh				
a.	9mm thick insulation - For S/A Duct in contact with R/A	SqM	355		
<b>TOTAL ITEM NO. 4 (INSULATION)</b>				<b>Rs.</b>	

**SECTION 'C' - SPLIT UNITS FOR 24X7 AREA**

1.0	<b>EQUIPMENT</b>				
1.1	<b>SPLIT UNITS ( CASSETTE TYPE)</b>				
	Supply , Installation , Testing and Commissioning of split units, each comprising of an outdoor and a single indoor unit as shown on the drawings and as per the specifications. Enclosures shall be factory fabricated and painted to a smooth finish . Outdoor unit shall consist of hermetically sealed/ semi- hermetic scroll/rotary compressor/s, air cooled condenser with fan. Indoor unit shall consist of fan section with dynamically balanced centrifugal fan/s driven by FHP/TEFC squirrel cage induction motor, multirows deep DX- copper cooling coil with aluminium fins, thermostatic expansion valve, synthetic fibre filters, insulated drain pan, safety controls, safety controls, thermostat all complete in a unit. The quoted price shall be inclusive of full charge of refrigerant gas, vibration isolation arrangement.				
	<b>Refrigerant Shall be R410A/R407C.</b>				
B.	<b>Single phase Non-ductable split units with Rotary compressor (Five Star Rating Inverter Type) :</b>				

	<b>(Units should be suitable to handle piping length upto 24-25 RM)</b>				
a.	2.5TR nominal capacity, split unit with single Cassette type indoor unit and cordless control.	No	2		
1.2	<b>REFRIGERANT PIPING</b>				
	Supply, Installation, Testing & Commissioning of copper refrigerant piping complete with copper fittings & charge of refrigerant gas for the above split units. Piping associated with split units to be insulated with 13mm thick closed cell elastomeric insulation with class 'O' fire retardant properties in tubing form as required. Piping shall be laid over duly painted slotted angle trays fixed with GI clamps. Quoted Price shall be inclusive of UV protection paint for all exposed pipes of approved make. Price shall be inclusive of copper power cabling from indoor to outdoor unit as required. Refrigerant piping shall be epoxy coated to prevent erosion.				
	<b>Price shall be inclusive of copper power &amp; control cabling from indoor to outdoor unit as required</b>				
	Pair of Soft refrigerant piping for split packages with rotary compressor.	RM	55		
1.3	Supply, Installation, Testing and Commissioning of PLC for Auto Sequencing of Split units with microprocessor based controller along with enclosure/accessories having facility for configuration of the same as per requirement for sequenced Start/Stop for following split units :				
a.	Two number Split unit	Sets	1		
1.4	<b>MS FRAME FOR ODUs</b>				
	Supply and Erection of MS base frame duly applied with red-oxide primer & followed by black enamel paint for mounting of outdoor units.	Kg	45		
<b>TOTAL SECTION C</b>					