



बैंक ऑफ महाराष्ट्र
Bank of Maharashtra

भारत सरकार का उद्यम

एक परिवार एक बैंक

**BILL OF QUANTITIES FOR INTERIOR FURNITURE WORK FOR BANK OF MAHARASHTRA,
ZONAL OFFICE, DEHRADUN**

Sr.No.	Description	Qty.	Unit	Rate	Amount
"A" FURNISHING / FURNITURE WORK					
1	GYPSUM BOARD FALSE CEILING Providing & fixing as per design with suspended false ceiling consisting of 12mm.thk.Gyp. board suspended on G.I. framework consists of G.I. perimeter channels 0.55 mm thk. x 20mm x 30mm. along perimeter of false ceiling; screw fixed to wall/partition with nylon sleeves & screws @ 600mm. dc. Suspending GI. Intermediate channels of size 0.9mm thk.x45mmx15mm. from the soffit at max. distance 1220mm. dc with ceiling angle 0.55mm. thk.x2n5mm.x10mm. Fixed to soffit using proprietary supplied GI. Cleats & steel expansion fasteners. Ceiling section 0.55mm thk. xweb size 51.5mm & flanges 26mm. Each & 10.5 mm. lips fixed perpendicular to intermediate channel at 457mm. c/c Gyp board is screw fixed to ceiling section with 25mm. drywall screws at 230mm. c/c. boards to be finished with proprietary supplied jointing tape & jointing compound & sand papered to achieve a smooth finish etc.complete or as directed by the Architect/Bank. Gyp ceiling where necessary as normal specification Rate should include all types of cut-outs, grooves ,moulding & plain troughs for tube lights / Down Lighter as directed by the designer. Note: Where RCC Slab is old and concrete is weal, the GI suspended channel shall be fixed with epoxy chemical and necessary load test to be carried out before fixing Gypsum board fixing.Rate shall be inclusive of epoxy chemical and fixing of suspenders with chemical Note : Plan Area Shall be measured for Payment	1410	Sft.		
2	ARMSTRONG FALSE CEILING Providing and fixing of Armstrong make Mineral fibre Ceiling Boards in true horizontal level suspended on inter locking Grid system made of Hot Dip Galvanized steel sections powder coated XL -15 mm as per manufacturers specification including making opening for electrical and air conditioning fitting complete as directed. The tiles and grid system with 12mm thick (Armstrong(Make) Fine Fissured Classic tiles FRAMEWORK XL-15 mm Main Runner of 3000mm spaced at 1200mm centre fixed to soffit by approved hangers at 1200mm distance. First and last hanger should not be at a distance more than 450mm from the adjacent wall.XL-15 mm 1200mm cross Tee to be interlocked between Main Runner at 600mm centre to form 1200x600mm module 600mmx600mm module to be formed by fixing XL-15mm 600mm Cross Tee between centre of 1200mm Cross Tees.18X18 mm Wall Angle to be secured to wall at 450mm centers Suspension to be done by using 2mm pre-straightened GI wire using anchor fasteners. Make - Armstrong - ANS Micro & Supra fine XL frame work. Note: Where RCC Slab is old and concrete is weal, the GI suspended channel shall be fixed with epoxy chemical and necessary load test to be carried out before fixing , Frame fixing.Rate shall be inclusive of epoxy chemical and fixing of suspenders with chemical	804	Sft.		
3	LOW LEVEL PARTITION FOR CUBICALS Providing and fixing low height partition 4'6" high made out of 50 mm*50mm 18 Gauge aluminium frames at 2' C/C vertically & horizontally with 6mm thick commercial plywood on both sides upto 3' height and above portion with 10mm toughened glass Finished with 1.00 thick laminate of approved shade and design. Glass shall be fixed with D Clip of approved quality and make.	239	Sft.		
4	LOW LEVEL PARTITION FOR WORK STATIONS : Same as above item (No. 3) but 4'0" high Solid Partition in between Work Stations without glass	192	Sft		
5	SEMI GLAZED PARTITION WITH DOOR Providing & fixing 3" thick partly glazed partition with 10mm thick clear float glass for made up of 18 gauge 50x50 mm Aluminium section framework at 600 mm c/c both ways (or as directed by the Architect); 12 mm commecial plywood & 1 mm laminate from both sides.Partition should be finished with specified finish as per design.The rate includes providing 35 mm thick flush door finished with 1mm laminate of approved make/shade on both sides with necessary lipping patti polished. Rate includes all necessary hardware (i.e ball bearing hinges of approved make, door closure, Clindrical Lock with key, Door stopper etc) Exposed edges of the partition should have 75x12 mm matching wood Patti with groove in between. All provisions to be made for all electrical, networking, telephone etc. boxes onto partition framework at required heights/levels with necessary additional supports &/or scaffolding as required. The rate includes all necessary hardware & cleaning of partition to the satisfaction of the Architect etc. complete (with4'0" high 6mm th clear glass fixed 3'0" height with polished beach wood beading / D Clip of approved quality and Make.with 3M make film fixed as per design.	192	Sft.		

6	SOLID PARTITION WITH DOOR				
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	Providing & fixing 3" thick solid partition for made up of 18 gauge 50x50 mm Aluminium section framework at 600 mm c/c both ways (or as directed by the Architect); 12 mm commercial plywood & 1 mm laminate from both sides.Partition should be finished with specified finish as per design.The rate includes providing 35 mm thick flush door with necessary lipping patti polished. Rate includes all necessary hardware (i.e ball bearing hinges of approved make, door closure, Cylindrical Lock with key, Door stopper etc) Exposed edges of the partition should have 75x12 mm matching wood Patti with groove in between. All provisions to be made for all electrical, networking, telephone etc. boxes onto partition framework at required heights/levels with necessary additional supports &/or scaffolding as required. The rate includes all necessary hardware & cleaning of partition to the satisfaction of the Architect etc. complete	850 Sft		
7	Solid Partition for UPS Room			
	Providing & fixing 3" thick solid partition for made up of 18 gauge 50x50 mm Aluminium section framework at 600 mm c/c both ways (or as directed by the Architect); 12 mm commercial plywood & 1 mm laminate from both sides.Partition should be finished with specified finish as per design.Exposed edges of the partition should have 75x12 mm matching wood Patti with groove in between. All provisions to be made for all electrical, networking, telephone etc. boxes onto partition framework at required heights/levels with necessary additional supports &/or scaffolding as required. The rate includes all necessary hardware & cleaning of partition to the satisfaction of the Architect etc. complete	126 Sft		
8	Manager Table (5'0" x 2'6" x 2'6")			
	Providing & fixing table made up of 18 thk. Comm. Plywood frame with 10mm. thk. Clear glass on top. The table should be finished with 1.0 thk. Laminate on exposed plywood frame, inside edge of holes, polish from inside. The table shall be provided with three drawer, 18mm ply key board drawer ,ply C.P.U. trolley with ply footrest, wire manager ,& other required hardware. The glass shall have plain diamond edge polish on all four sides & hole for wire manager. The glass should cover the length of the table & width of side unit as shown in the drawing.	3 Nos		
9	Same as above (Item no. 8) but Size of Table shall be 6'0"x3'0" x 2'6" for Zonal Manager.	1 Nos		
10	Side Units			
	Providing & fixing side unit made up of 18mm. thk. plywood framework & 6mm. thk. plywood as backing. Side unit should have 2 no. of drawers above & shutters below. Drawers should be made up of 18 thk. Plywood fascia, 12 thk. Plywood sides & 6 thk. Plywood bottom. Drawers should be mounted on heavy duty drawer sliders. Side unit should be finished with 1.0 mm. thk. Laminate of approved shade & colour on external surface & oil paint to non laminated surface. All exposed edges of 18 thk. & 12 thk. Plywood should have lipping patti All lipping patti's should be finished with paint/french polish on it. The cost should include necessary hardware, handles, Godrej make locks with common handles, Godrej make locks with common key for set of drawers etc. complete as per design. Drawers to be made of 12 mm thick comm. plywood and finished with laminate on front and enamel painted inside.	69 Sft		
11	Storage Unit			
	Providing & fixing storage units made up 18 mm. thk. plywood framework, 6 mm. thk. plywood back as required as per design. Good quality blackboard shutters (18mm thick) should be fixed on SS heavy hinges Storage units. should be finished with 1.0 mm. thk. laminate from external side & oil paint to non laminated surfaces. All exposed edges of plywood should have lipping patti on it. Lipping patti should be finished with French polish on it. The cost should include necessary handles, magnetic catches, Godrej make locks etc. complete as per design.	120 Sft		
12	Main Entrance Door with Partition			
	Providing & fixing main door & partition made up of 12 mm thk. Clear toughened glass shall be fixed in.Ozon / Enox make patch fitting with necessary hardware.With application of sealant from all sides. Edge polish for all exposed sides of glass. Complete as per design - Providing & fixing main door made up of 12 mm thk. Clear toughen glass shall be fixed in.Ozon / Enox make patch fitting with necessary hardware like floor spring, 12" S.S. finished decorative handle pair,& locking arrangement. Edge polish for all exposed sides of glass. Complete as per design	32 Sft		
13	Suggestion Box			
	Providing & fixing box made up 18 mm. thk. plywood framework, 6/12 mm. thk. plywood back as required as per design. Good quality blackboard shutters should be fixed on brass hinges should be finished with 1.0 mm. thk. laminate from external side & oil paint to non laminated surfaces. All exposed edges of plywood should have lipping patti on it. Lipping patti should be finished with French polish on it. The cost should include necessary handles, magnetic catches, Godrej make locks etc. complete as per design.	1 Nos		
14	Aluminium Composite Paneling			
	Aluminium Composite Panel (ACP) with framing of Aluminium Tube sections of min 1.5" x 1" and 20 gauge 2'-0" C/C both ways. Mirror screws to be used. Joints to be finished with Silicon based sealant. ACP thickness of 3 mm minimum of approved shade (SilverGrey or equivalent as per Bank's Layout policy). ACP to be in 2' width panels or distributed equally. Alubond, Eurobond, Fujibond, Alcobond or equivalent ISO certified brands to be used. Shades to be as per bank's approval. Trap door will be 12 mm marine ply finished with ACP for rolling shutter wheel..	35 Sft		
15	Providing & fixing Pin up board made of 12mm thick soft particle board of medium density covered with fabric of approved quality and shade	90 Sft		
16	Work Table for Officers (4'0" x 2'0" wide x 2'6" High each)			

	Providing & fixing table made up of 18 thk. Comm. Plywood frame. The table should be finished with 1.0 thk. Laminate on exposed plywood frame, inside edge of holes, polish from inside. The table shall be provided with single drawer with storage below with shutter finished with 1mm laminate , 18mm Comm ply key board drawer ,ply C.P.U. trolley with ply footrest, wire manager ,& other required hardware. The glass shall have plain diamond edge polish on all four sides & hole for wire manager.drawing.Drawers to be made of 12 mm thick comm. plywood and finished with laminate on front and enamel painted inside with necessary hardware, sliding channel, SS hinges, SS Handle locks etc	96	Rft		
17	Wall Panelling with Laminate (For Walls and Columns inside Branch Premises) : P/F Panelling with framework of 18 gauge 50X50 mm Aluminium section framework at 600mm c/c both ways(or as directed by Architect), 12 mm commercial plywood & 1 mm laminate having 4" wide skirting with 1 mm thick groove between skiting, all complete as per design.	1100	Sft		
18	Texture Paint Providing and applying texture paint of approved make in rustik / criss cross design of approved shade including preparation of surface with plaster of paris punning all complete in all respect as per manufacturer's specification	584	Sft		
"A" FURNISHING TOTAL C/O TO SUMMARY					

"B" ELECTRICAL WORKS

A.	POINTS & WIRING				
1.	LIGHTS POINTS				
1	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc. (where ever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multi stranded copperconductorwire & 2.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete. (Wherever required as per standard specifications). i) Each circuit shall have independent earth wire. ii) Each point shall be earthed. iii) Circuit wiring is to be included in point wiring rates.				
i	Primary points controlled by one 6 amp. Modular switch.	Nos.	40		
ii	Secondary light points controlled by one 6 amp. Modular switch.	Nos.	40		
iii	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	2.00		
iv	One wall fan/ ceiling/ exhaust fan point with 6 amp 3pin socket controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	23.00		
v	One 5 pin socket controlled by one 6 amp. Modular switch complete assembly includes plate box etc. Dependent	Nos.	20.00		
vi	Same as serial no 1 but using 2*2.5 + 1*2.5 Sq.mm Copper Conductor FRLS wires from DB to first 6A, 5 Pin modularsocket controlled by one 6A switch and looped to the nearest second point with same 2*2.5 + 1*2.5 Sq.mm copper conductor wires FRLS insulated 1100V grade (max 3 points per circuit).				
a	Primary Point	Nos.	6.00		
b	Secondary Point looped	Nos.	6.00		
2	POWER POINTS				
	Same as serial no.1, but wiring for 16 Amp, 6-pin sockets by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire with independent 1* 4.0 sq.mm earth wire from D.B. to first point 1st socket and 1st to 2nd, socket with 2*2.5 sq.mm and 1*2.5 earth wire including providing and fixing of 16 Amp, 6 –pin socket with 16 Amp. Switch. (Modular type switch/ socket/ plate etc. complete assembly) max 2 points per circuit.				
a)	Primary Point	Nos.	15.00		
3	AC POINTS FOR INDOOR & OUTDOOR UNITS				
3(a)	Same as serial no.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box (tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	6		
3c	Same as serial no.1, but wiring for A/C socket by using 2*6 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*6.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box (tiny trip type) with socket complete in all respects controlled by 32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	4.00		
4	COMPUTER POINTS				
a	Wiring with 2x2.5 sq.mm. + 1x2.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to computer point. Each point to have 3 nos. 6 amps. 5 pin modular type sockets, one 6 amps modular switch with all accessories, inner/ outerplates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed above the top of counter with indicator and sockets under the counter b) Same as above but looped from the above 1st point to 2nd, point and 2nd point to 3rd point. (Maximum 3 points in a circuit)				

	Primary Points	Nos.	40.00		
b	Wiring with 2x2.5 sq.mm + 1x2.5 sq.mm PVC insulated 1100 V grade multi stranded copperconductorwires in 2mmthick PVC conduit from UPS DB to computer point. Each point to have 1 nos. 16 amps 5 pin modular type sockets, 1 No's 16 amps modular switch with all accessories, inner/ outer plates , metal box etc and to be fixed on wooden partitions/ by grouting on wall etc as per requirement at site. The switch should be fixed above the top of counter and sockets under the counter. or as directed by the engineer in charge for the rack supply in PA rack, CCTV b) Same as above but looped from the above 1st point to 2nd point (Maximum 2 points in a circuit)				
	Primary Points	Nos.	4.00		
	Secondary Points	Nos.	4.00		
B. CONDUITING FOR TELEPHONE, COMPUTER & CONDUITING, WIRING FOR T.V. SYSTEM.					
1.0 TELEPHONE SYSTEM					
1.1	Wiring for VOICE from Jack Panel in data rack to computer workstation with Cat-6 voice cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	18.00		
1.2	Supplying, laying, effecting terminations, testing and commissioning of 0.51 mm dia Cu. Conductor, twisted, colourcoded with polythene capor barrier, telephone cables in the existing tray or in conduit including providing &fixing conduit pipe orcable tray as required from building tag block to the floor as required.				
a)	Supplying & fixing 20 pair krone tag block with enclosure.	Nos.	2		
b)	P/L 20 Pair of PVC insulated PVC sheathed multi core jelly filled armored telephone.	Mtr.	50.00		
c)	Panasonic Electronic Modular Switching System MODEL NS-300 (Digital IP PBX SYSTEM) For 6 CO Lines 2 Digital Extension and 16 Extensions, with DISA Greeting Message and Extension Caller ID Expandable upto 6 co & 32 Extensions.	Nos	1.00		
d)	MDF with Krone Modules 50 pairs with connector	Nos	1.00		
2.0 COMPUTER NETWORKING					
2.1	Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type. This work includes supply and laying of CAT 6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	40.00		
2.2	Supplying and fixing 9 U (Rack with glass door, opening in the front power panel 1 (horizontal), cable manager 1 lock & key).	Nos.	2.00		
2.3	Supply, Installation, Testing & Commissioning of 24 port Jack Panel.	Nos.	2.00		
2.4	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	40.00		
2.5	Supplying and fixing Patch Cord-1 Meter-	Nos.	40.00		
3.0	Supply and fixing of 1.6 mm thick G.I. Box along with RG 6 T.V Co axial socket with Cover Plate.	Nos.	0.00		
4.0	Supply, drawing, connecting, testing and commissioning of T.V Coaxial cable RG 6 in existing conduit.	RM	0.00		
C. CABLES, MAINS & SUBMAINS					
1	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copperconductorwires (FRLS) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and plastering the floor level to original. Conduit must be 30 mm below the floor finish level.				
i	2 X 4 sq.mm. + 1 X 4 sq.mm.	Mtr	0.00		
ii	2 X 6 sq.mm. + 1 X 6 sq.mm.	Mtr	45.00		
iii	2 X 10 sq.mm. + 1 X 6 sq.mm.	Mtr	30.00		
iv	1 X 10 sq.mm. Cu wire for earthing. (UPS Input/Output)	Mtr	0.00		
v	Supplying, laying, testing & commissioning of 4 C X 10 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copperwire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (Light DB). Main board to 2 nos) DB	Mtr	20.00		
vi	Supplying, laying, testing & commissioning of 4 C X 25 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copperwire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (Power + AC DB).	Mtr	15.00		
vii	Supplying, laying, testing & commissioning of 3.5 C x 50 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories , Clamps etc. as required as per specification. (Mains)	Mtr	0.00		
D. DISTRIBUTION BOARD					
1	Suply and installation of TP&N 'MCB type VDB (double door) flush mounted on wall, sheet metal fabricated, powder coated, having dust-proof and vermin 'proof, gasketed and hinged door with all internals such as Copper Bus bar, neutral-link, interconnected wiring, complete with earthing legs,bus bar housing following switch gears etc with following				
a	1 no 160A 4 pole MCCB				
b	2 Nos 100A TPN MCB				
c	2 Nos 63A TPN MCB				
d	2 Nos 40 Amp DP MCB				
f	18 Nos SP MCB 10-32A	Set	1		

2	Supplying & Fixing 1 no. 160 Amp 4P Change over switch housed in MS sheet box with all connections	Nos	1		
3	Supplying, installing, testing & commissioning of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and up to the terminal connectors/ neutral link and ready for installation of following ways as required.				
	Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B, C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load.				
	Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A.				
	UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link.				
	All internal interconnecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed.				
a	4-way SPN DB with 2 Nos. 40 A (10 KA) DP MCB (For UPS Input)	No.	1.00		
b	10 Way SPN DB (For UPS DB)	No.	2		
	Incomer:-				
	1 No. 40 Amp DP (10 KA) MCB with 25 A DP RCCB (100 MA)				
	Outgoing:-				
	8 Nos. 6/10/16/25Amp (10 KA) SP MCB				
E	(LIGHT FITTINGS & ACCESSORIES)				
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixtures should be covered with minimum 3 Years onsite replacement warranty).				
i	LED 18 W tube 4'-0" As specified in tender document or approved by SBIIMS/Architect.	Nos.	12.00		
ii	FULL GLOW 2 X 2 LED 36 W slim Smart Panel of make As specified in tender document or approved by SBIIMS/Architect.	Nos.	27.00		
iii	Supplying, fixing, testing and commissioning of 15 W LED commercial type down lighter of make As specified in tender document or approved by SBIIMS/Architect.	Nos.	36.00		
iv	LED Strip for cove lighting 15 W per 5 M with driver and necessary installation fittings Led strip light (5 mtr.) make as specified in tender document or approved by SBIIMS/Architect.	Nos.	5		
v	Supply, installation, testing and commissioning of following fans with all fixing materials like white Polycarbonate 2 mm Hylem sheet cover, down rods, fan box as required etc. all complete as per the directions of Engineer-in-charge.				
	Ceiling fans (METAL BODY) 1200 mm dia. make As specified in tender document or approved by concerned office in charge.	Nos.	9.00		
a	Wall mounted fans (METAL BODY) 400 mm dia. make As specified in tender document or approved by concerned office in charge.	Nos.	10.00		
b	Supply & fixing of 230 mm exhaust fan 'Ventilair DX W' with self-closing louvers and plastic body with all accessories etc. complete of make As specified in tender document or approved by concerned office in charge.	Nos.	4.00		
F.	EARTHING SYSTEM				
1	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of copper bonded rod of 10 feet length, 23 mm dia. (Minimum copper bonding shall be 0.25mm) along with Rod-to Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill).	Nos	1		
2	Providing and fixing of Copper/ GI strips in surface or in recess for loop earthing etc. as required.				
i	25 mm x 3 mm copper strip in B-class GI pipe	RM	32		
ii	25 mm x 5 mm GI strip	RM	0		
iii	Providing and fixing 2 X 8 SWG dia. Cu earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface/ recess cable as required.	RM	40.00		
G	OUTDOOR TYPE GLOW SIGN BOARD WIRING				
a.	Supply laying of Main line with 2x2.5 + 1x 1.5 Sq.mm through MS conduit from main panel	Mtr.	40.00		
b.	To Glow Sign Board				
	Supply installation of 16 Amp. DP MCB at main entrance Glow sign Board with Timer of reputed make	Nos.	1.00		
H	GENSET WIRING				

a.	Supply laying fixing Main power with (3.5 core 50 Sq.mm/As per requirement & load calculation of DG Set) PVC insulated,PVC sheathed (Alu/CU conductor/Selection based on Load requirement) ,1100 V, grade armoured cable complete with 02 nos. 8 SWG bear GI wire/ As per requirement & load calculation of DG Set	Mtr.	35.00		
b.	End termination of 3.5 core 50 Sq.mm armoured cable, complete with brass cable Gland, Alu Lug, PVC tape (Selection based on Load Analysis/ As per requirement & load calculation of DG Set/Standard IS Rule)	Nos.	8.00		
"B" ELECTRICAL WORK TOTAL		Rs			
AIR-CONDITIONING WORKS :					
SPLIT TYPE AIR CONDITIONERS					
A. (HIGH SIDE WORKS)					
1	Supplying, erection, testing and commissioning following wall mounted Split/ Roof mounted cassette (Indoor and outdoor) units of (Toshiba/ Mitsubishi/ Hitachi/ Daikin/LG/Bluestar/ Carrier/ Voltas) with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with (evaporator coil – copper only), fan and fan motor, machine control panel improved Refrigerant Joints, ,Air conditioners shall be fitted with hermetically sealed type suction cooled reciprocating or discharge cooled rotary compressor or scroll compressor. Compressor unit operating on R-22/ R-410. All complete as per drawing, approval and instructions of the Employer (Rates to be inclusive of Copper refrigerant pipe with insulation and Drain pipe up to 5 Mtr. length).				
a	1.0 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings	Nos.	1.00		
b	1.5 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings	Nos.	5.00		
c	2 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings	Nos.	4.00		
"C" AIRCONDITIONING –HIGH SIDE WORK TOTAL				Rs	
B. AIR CONDITIONING (LOW SIDE WORK)					
1 EXTRA REFRIGERANT PIPING					
1	Supplying and laying of Extra copper refrigerant piping with nitrile rubberpipe insulation, both of size as specified by the manufacturer suitable for 1.0 TR/ 1.5/2.0 TR Split type AC and 2.0/3.0 TR Cassette AC (From Indoor to outdoor Units) Beyond 3 M including civil work (Making holes in walls , cutting and making good the surfaces)				
a	For 1.0 T Split unit	Mtr.	20.00		
b	For 1.5 T Split unit	Mtr.	40.00		
c	For 2.0 T Split Unit	Mtr.	60.00		
2 DRAIN PIPING					
	Providing and fixing drain piping up to drain as directed by the engineer in charge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, fixing with GI clamps,floor and making good of all chases/ cuts etc. and discharging the drain into a floortrap/ gully as per site conditions with insulation, both as specified by the manufacturer.				
a	25 mm dia PVC drain pipe for Split AC	Mtr.	50.00		
b	32 mm dia PVC drain pipe for Split AC	Mtr.	0.000		
a	5 KVA (For 3.0/ 2.0 TR Split AC)	Nos.			
b	4 KVA (For 1.5/ 2.0 TR Split AC)	Nos.	9.00		
c	3 KVA (For 1.0/ 1.5 TR Split AC)	Nos.	1.00		
4 AIR-CONDITIONERS STAND					
	MS-STAND - Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 5" c/c welded with 40 X 3 mm MS flat all- round. The frame shall be of angle 35mm*35mm and it shall be fixed to wall or roof with proper MS bracket to tackle the weight of outdoor unit. Item includes all necessary hardware, priming coat, syntheticenamelpaint, hanger, clamps other accessories etc. All complete as per approval and instructions of the employer. Size shall be adequate for AC outdoor size & sufficient space around the outdoor suitable for servicing purpose for Outdoor unit.				
a	For 1.0 TR Hi Wall split units	Nos.			
b	For 1.5TR Hi Wall split units	Nos.			
c	For 2.0 TR Hi Wall split units	Nos.			
2. Powder coated readymade stands / Bracket for Outdoor Units					
	For 1.0 TR Hi Wall split units	Nos.	1		
	For 1.5TR Hi Wall split units	Nos.	5		
	For 2.0 TR Hi Wall split units	Nos.	4		
5 ELECTRICAL CABLES					
	Suitable IS/BIS standard Cable of 1.1-2.2 KV, Multi strand, FRLS 2- 4 C / 1.5/2.5 -6.0 Sqmm) as per design requirement of Peak load calculation of specific ACs system installed at site with 1"/1/2"/2" PVC conduit pipe between indoor/outdoor unit	Mtr	120		
"D" AIR CONDITIONING –LOW SIDE WORK TOTAL		Rs			
SUMMARY					
				Rs	
"A" FURNISHING / FURNITURE WORK					
"B" ELECTRICAL WORK				Rs	
"C" AIR CONDITIONING (HIGH SIDE WORKS)				Rs	

"D" AIR CONDITIONING (LOW SIDE WORKS)				
	TOTAL (EXCLUDING GST)		Rs	

Note: The rates quoted includes all other taxes, duties, loading, unloading , transportation , other expenses etc. to site only GST will be paid Extra

Name & Address of the contractor : -
Date