

ELECTRICAL WORK B.O.Q. FOR PROPOSED DHULE BRANCH, DHULE, FOR S.B.I.BANK

SR	SUMMARY	AMOUNT
A	TOTAL OF MAIN PANEL / DB's / MCCBs :-	
B	TOTAL OF CABLES & TERMINATIONS	
C	TOTAL OF POINT WIRING	
D	TOTAL OF FIXTURES	
E	TOTAL OF FLOOR RACE WAYS, CONDUITS	
F	TOTAL OF EARTHING SYSTEM	
G	TOTAL OF MUSIC CUM P.A. SYSTEM	
G	TOTAL OF TELEPHONE SYSTEM	
	TOTAL	

GST extra

Amt. in words :-

Sign & Seal of the Contractor :-

Name & address of the Contractor :-

SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT	REMARKS
A	MAIN PANEL / DISTRIBUTION BOARDS / MCCBs :-					
1	Meter room Mains MCCB's					
a.	Supplying & Installing 200A, FN Type, TPN S-D-F in Sheet Steel Enclosure, complete with Cable End Gland Boxes, DIN Fuse links etc	No	1.00			
	Rate in words :-					
2	MAIN POWER PANELS :-					
	Supplying & Installing Main LT panel, wall mounted front operated totally enclosed vermin proof, indoor non-drawout-cubicle type power panel fabricated out of 2mm thk CRCA sheet having gasketed hinged cover on each cubicle fully powder coated after 7 Tank treatment, incorporating horizontal & vertical sleeved copper busbars, complete with all internal wiring, danger board, 2 earthing legs, cable chamber etc as required, housing below mentioned switch gears / meter / Terminals, Hardware, Lugs, Name plates, Door locks / Capacitor ventilation fans etc (GA drawing of the panel got to be approved by Bank / Architect)					
a.	MAIN POWER DISTRIBUTION PANEL :-	No	1.00			
	Rate in words :-					
	1) Incomer :					
	200 A - 1 no. - TP, MCCB with ELR (0-3A) and CBCT					
	200 A - 0 no. - FP Auto / Motorized change over switch					
	200 A - 1 set - TPN, PVC insulated Copper busbars of 32 x 5 mm size					
	1 Set - R-Y-B, LED Type indicating lamps with control fuses					
	2) Metering - Digital Load Manager / Multifunction V-I-PF-Hz Meter Complete with necessary CTs, control fuses etc					
	3) Outgoing :					
	125A - 2 no.- TPN MCCB outgoing / sub incomer for VRV AC & spare					
	63 A - 3 no.- TPN MCB outgoing / sub incomer for APFC section, UPS Input DB & spare					
	40 A - 4 no.- TPN MCB outgoing / sub incomer for Branch LDB's, back Office LDB, 1st flr LDB & spare					
	63 A - 3 no.- SPN MCB outgoing / sub incomer for Branch Power DB's, back Office Power DB & Spare					
	40 A - 4 no.- SPN MCB outgoing / sub incomer for 1st flr Power DB, E-lounge Power DB & Signage DB					
	4) APFC / Capacitor Panel Section :					
	1 no. - 6 step suitable APFC relay					
	1 set. - Auto / manual switch					
	32 A - 6 no. - TP Capacitor duty contactor					
	32 A - 6 no. - TP MCB					
	7.5 kVAR - 2 no. - Power capacitor					
	5.0 kVAR - 2 no. - Power capacitor					
	2.0 kVAR - 2 no. - Power capacitor					
	100 A - 1 set - TPN, PVC insulated Copper busbars of 20 x 5 mm size					
	6 Set - ON/OFF/TRIP push button for each capacitor					
	6 Set - ON/OFF/TRIP indication LED Type lamp for each capacitor					
	1 Set - R-Y-B, LED Type indicating lamps with control fuses					

SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT	REMARKS
3	MCB DISTRIBUTION BOARDS					
	SITC sheet metal fabricated & powder coated Double Door Type MCB Distribution Boards (surface/flush mounted). DB's shall have MCB/ELMCB as incomer & SP/DP/TP MCB as outgoing. All MCBs of C characteristics and 10 KA breaking capacity & ELMCB's should be of 30mA sensitivity. The DB shall have appropriate no. of top & bottom knock outs for outgoing circuits & shall be complete with necessary bus bars, interconnecting terminals & earth studs. All terminations in DB shall be complete with feruling, dressing with lugs & all circuits shall be properly labeled with PVC strip (sticker type) having identification as per the approval of the Architect.					
3.1	Power DB's					
	b. SITC 8 way TPN - Horizontal LIGHTING & POWER DB, for Gnd flr Branch & Back Office	No	2.00			
	Rate in words :-					
	Incomer :-					
	40 A - 1 no. - TPN MCB					
	40 A - 3 no. - SPN ELCB (100 mA) as per phase sub-incomer					
	Outgoing :-					
	10/16/20 A - 18 no. - SP MCB outgoing					
	c. SITC 6 way TPN MCCB Vertical DB - A.C. Power DB, for Gnd Flr Branch	No	1.00			
	Rate in words :-					
	Incomer :-					
	125 A - 1 no. - TPN MCCB					
	Outgoing :-					
	100 A - 2 no. - TP MCB ...outgoing for VRV AC & spare					
	16/20/25 A - 12 no. - SP MCB...outgoing for Split AC & VRV Indoor units at					
3.2	UPS input / output DB's					
	a. SITC 4 way TPN - MCB Box, for UPS Input	No	1.00			
	Rate in words :-					
	Incomer :-					
	63 A - 1 no. - FP MCB					
	b. SITC 2 way SPN - MCB Box, for UPS Output	No	1.00			
	Rate in words :-					
	Incomer :-					
	40/63 A - 1 no. - DP MCB					
	c. SITC 4 way TPN - UPS INPUT-OUTPUT DB, for UPS Output Distribution	No	1.00			
	Rate in words :-					
	Incomer :-					
	63 A - 1 no. - FP MCB					
	Outgoing :-					
	63 A - 2 no. - DP MCB ..for branch UPS DB & Back Office UPS DB					
	32 A - 2 no. - DP MCB ..for E-Lounge UPS DB & Emergency LDB					
	d. SITC 18 way SPN-UPS OUTPUT DB, for Gnd flr Branch, Work Station	No	2.00			
	Rate in words :-					
	Incomer :-					
	40/63 A - 1 no. - DP MCB					
	Outgoing :-					
	10/16 A - 16 nos. - SP MCB outgoing					
	e SITC 12 way SPN- UPS OUTPUT LDB, for Back Office, Work Station Points	No	2.00			
	Rate in words :-					
	Incomer :-					
	40/63 A - 1 no. - DP MCB					
	Outgoing :-					

SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT	REMARKS
	10/16 A - 10 nos. - SP MCB outgoing					
f	SITC 8 way SPN- E Lounge DB, for Power & UPS points in E-Lounge	No	2.00			
	Rate in words :-					
	Incomer :-					
	40/63 A - 1 no. - DP MCB					
	Outgoing :-					
	10/16/20/25 A- 6 nos.- SP MCB outgoing, for Lighting, AC's & Signage					
3.3	SITC FP ELCB / RCCB / RCBO with Weather proof Metal Enclosure, for VRV AC Units	No	1.00			
	Rate in words :-					
	Incomer :-					
	100 A, 100mA - 1 no. - FP ELCB / RCCB, for VRV AC					
	A. TOTAL OF MAIN PANEL / DB's / MCCBs :-					

B	CABLES & TERMINATIONS					
	Supply and Laying of following LT cables conforming to IS 1554 (part 1) with necessary M.S. clamps. All such cables shall be provided with temporary labeling at every 20 mtr. & then finally with metal identification tags showing the size & the location from/to the specific panel/DB; at both the ends.					
1	Aluminium Armoured Cables					
a.	3 1/2 C x 35 Sq.mm Aluminium AYFY Armoured Cables	Rmt	10.00			
	Rate in words :-					
b.	3 1/2 C x 50 Sq.mm Aluminium AYFY Armoured Cables, for Emer-Panel	Rmt	10.00			
	Rate in words :-					
c.	3 1/2 C x 95 Sq.mm Aluminium AYFY Armoured Cables,	Rmt	50.00			
	Rate in words :-					
2	Copper Armoured Cables					
a.	2C x 4 Sq.mm Copper YFY Armoured Cables, for Em LDB & for Split AC's	Rmt	60.00			
	Rate in words :-					
b.	2C x 6 Sq.mm Copper YFY Armoured Cables, for UPS O/p DB & ATM DB	Rmt	60.00			
	Rate in words :-					
c.	2C x 16 Sq.mm Copper YFY Armoured Cables, for UPS Out MCB	Rmt	5.00			
	Rate in words :-					
d.	4C x 6 Sq.mm Copper YFY Armoured Cables, for LDB & PDB	Rmt	60.00			
	Rate in words :-					
e.	4C x 16 Sq.mm Copper YFY Armoured Cables, for UPS In & for VRV AC	Rmt	90.00			
	Rate in words :-					
3	Terminations					
	Preparing terminations of all the above mentioned armored cables using Siemens type double compression, chrome plated brass cable glands & crimp type tin copper lugs, Bimetallic lugs are to be provided wherever two different type conductors are present, Insulation tape etc. as required complete with earthing of glands.					
a	3 1/2 C x 120/95 Sq.mm Aluminium AYFY Armoured Cables	No	4.00			
	Rate in words :-					
b	2 C x 10/6/4 Sq.mm Copper YFY Armoured Cables	No	20.00			
	Rate in words :-					
c	4 C x 16/10/6 Sq.mm Copper YFY Armoured Cables	No	12.00			
	Rate in words :-					
4	Flexible cables					
	SITC of wires in trenches/pipes, on cable duct/floor/walls/columns of following size of 1.1 KV grade PVC insulated FR wires complete with the GI saddle, pressure patti or Al. clamps at a regular interval, including crimp type tin copper lugs at both ends & Brass glands including supply of ISI make PVC conduits of medium quality.					

SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT	REMARKS
a	4 C x 16 sq.mm. Cu flexible cables, for UPS Input	Rmt	5.00			
	Rate in words : -					
b	2 C x 16 sq.mm. Cu flexible cables, for UPS Output	Rmt	5.00			
	Rate in words : -					
c	3 C x 2.5 sq.mm. Cu flexible cables, for Signage	Rmt	25.00			
	Rate in words : -					
B. TOTAL OF CABLES & TERMINATIONS						

C POINT WIRING						
1	POWER POINTS					
	SITC of following power points with circuit wiring.					
a.	Primary UPS points	No	20.00			
	Rate in words : -					
	Supplying & Installing Primary UPS or Stabilized Power points on workstations / tables for computers using 3C x 2.5 Sq.mm PVC sheathed white color flexible copper cable pulled through already laid floor raceways/ false ceiling and taken upto table top using PVC rigid or flexible conduits run within wooden or metal partitions.					
	Each point consisting of 3 Nos of 5 A 5 Pin sockets controlled by 1 No 15A switch, wired together forming one point. Switch should be above table top & sockets should be below table top					
	Only 2 tables served by one circuit from UPS DB. The Rate should be including the cost of Cable, Switch board internal looping wires, necessary Gang Box, PVC box, Modular Plate of other color, Modular Switches, Sockets, Compete Job with necessary screws, nylon plug, Saddles, hardware. Etc.					
b.	Secondary UPS points	No	20.00			
	Rate in words : -					
	Supplying & Installing Secondary UPS or Stabilized Power points on workstations / table for computers using 3C x 2.5 Sqmm Cu. PVC sheathed white color flexible cable pulled through already laid floor raceways and taken upto table top using PVC rigid or flexible conduits run within wooden or metal partitions.					
	Each point consisting of 3 Nos of 5 A 5 Pin sockets controlled by 1 No 15A switch, wired together forming one point. Switch should be above table top & sockets should be below table top					
	for 1 table served by the same circuit from adjacent Primary point. The Rate should be including cost of Cable, Switch board internal looping wires, necessary Gang Box, PVC box, Modular Plate of other color , Modular Switches, Sockets, Compete Job with necessary screws, nylon plug, Saddles, hardware. Etc.					

SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT	REMARKS
	c. Primary 5/15 A power points	No	20.00			
	Rate in words :-					
	Supplying & Installing Primary 5/15 A Power Socket points using 2 X 4.0 Sq.mm. + 1 X 1.0 Sq.mm. PVC insulated multistanded FRLS Grade flexible copper wires (with proper color code) pulled through haevy gauge PVC conduits.					
	Each point consisting of 1 Nos of 5/15 A sockets controlled by 1 Nos of 15A switch , wired together forming a point. Earth wire to be of Green colour only.					
	Only 2 Sockets served by one circuit taken from LDB / PDB					
	d. Secondary 5/15 A power points	No	20.00			
	Rate in words :-					
	Supplying & Installing Secondary 5/15 A Power Socket points using 2 X 2.5 Sq.mm + 1 X 1.0 Sq.mm PVC insulated multistanded FRLS Grade flexible copper wires (with proper color code) pulled through haevy gauge PVC conduits.					
	Each point consisting of 1 Nos of 5/15 A sockets controlled by 1 Nos of 15A switch , wired together forming a point. Switch should be above table top & sockets should be below table top					
	The circuit should be taken from another Primary 15 A Power Socket Point only.					
	e. Primary 5/15 A raw power points	No	20.00			
	Rate in words :-					
	Supplying & Installing Primary RPS or Raw Power points on workstations / table for computers using 3C X 2.5 Sqmm PVC sheathed Black color flexible copper cable pulled through already laid floor raceways and taken upto table top using PVC rigid or flexible conduits run within wooden or metal partitions.					
	Each point consisting of 1 Nos of 5/15 A Sockets controlled by 1 No 20A switch , wired together forming one point.					
	Only 2 tables served by one circuit from RPS DB / LDB / PDB. The Rate should be including cost of Cable, Switch board internal looping wires, necessary Gang Box, PVC box, Modular Plate, Modular Switches, Sockets, Compete Job with necessary screws, nylon plug, Saddles, hardware. Etc.					
	a) for Xerox / Refrigerator / Water cooler / Cash Counting machines or similar equipments10 nos					
	b) for Indoor Units of VRV AC units10 nos					
	f. Secondary 5/15 A raw power points	No	20.00			
	Rate in words :-					
	Supplying & Installing Secondary RPS or Raw Power points on workstations / table for computers using 3C x 2.5 Sqmm PVC sheathed Black color flexible copper cable pulled through already laid floor raceways and taken upto table top using PVC rigid or flexible conduits run within					
	Each point consisting of 1 Nos of 5/15 A Sockets controlled by 1 No 20A switch , wired together forming one point. Switch should be above table top & sockets should be below table top					
	Only 1 table served by the same circuit from adjascent Primary point. The Rate should be including cost of Cable, Switch, Switch board internal looping wires, necessary Gang Box, PVC box, Modular Plate, Modular Switches, Sockets, Compete Job with necessary screws, nylon plug, Saddles, hardware. Etc.					
	a) for Cash Sorting machine / Pantry equipments etc10 nos					
	b) for Indoor Units of VRV AC units10 nos					
	g. A.C. point with 20 A metal clad socket + SP MCB	No	6.00			
	Rate in words :-					
	Supplying & Installing 20A metal clad 3 pin socket with plug top along with 1no. 20A, SP MCB , all housed in sheet metal powder coated box for giving supply to A/C machines & vaults					

SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT	REMARKS
	The item excludes 2/3C x 4 Sq.mm Copper Cables					
2	LIGHT POINT WIRING					
	SITC of following concealed point wiring using 1100V grade 3C x 1.5 sq.mm. copper conductor PVC insulated FR wires (with proper R,Y,B colour code) pulled through PVC conduits of 25mm / 20mm of medium quality. All wiring below false ceiling shall be concealed. The wires from ceiling junction to light points shall be drawn in flexible PVC conduit with adaptor & cover for junction box & crimp type lugs at both ends. Each circuit feeding not more than average 12 points (800 watts). The rate shall include circuit wiring (2C x 2.5 sq.mm. + 1C x 1.0 sq.mm.) from DB to switchboard to fixtures. <i>(No seperate measurements for circuit wiring)</i>					
	a. Primary light points	No	125.00			
	Rate in words :-					
	SITC 5A Primary light points including MS concealed box, grid plate, 6A switch & circuit wiring.					
	b. Secondary light points	No	100.00			
	Rate in words :-					
	SITC 5A Secondary light points looped from primary light point. All MCB controlled light points will be considered as secondary light points.					
	c. Primary 5 A socket points	No	12.00			
	Rate in words :-					
	SITC Primary 5 A Socket points using circuit wiring (with proper color code) pulled through haevy gauge PVC conduits.					
	Each point consisting of 1 Nos of 5 A sockets controlled by 1 Nos of 6A switch , wired together forming a point. Earth wire to be of Green only.					
	a) for Wall Fans or any other similar equipments18 nos					
	d. Secondary 5 A socket points (on Board plug points)	No	20.00			
	Rate in words :-					
	SITC Secondary 5 A Socket points using circuit wiring (with proper color code) pulled through haevy gauge PVC conduits. These points should be looped from...					
	Each point consisting of 1 Nos of 5 A sockets controlled by 1 Nos of 6A switch , wired together forming a point. Earth wire to be of Green only.					
	e. Exhaust fan points	No	4.00			
	Rate in words :-					
	SITC Exhaust fan point consisting of 5A socket near fan and switch on light switch board					
	Each Exhaust Fan operated on seperate switch, Rate should be including the cost of 5 A 3 pin Plug top, Connecting cord & Mounting Plates					
	f. Ceiling fan points	No	2.00			
	Rate in words :-					
	SITC Ceiling Fan point operated on seperate switch shall be Controlled by 2 Module, Step type Fan regulator, Rate should be including the cost of Fan hook, Suspending suitable fan rod, Connecting cord and Step type Fan Regulator					
	g. Bell points	No	6.00			
	Rate in words :-					
	SITC Bell point consisting of 5A Modular Bell switch & Bell-Indicator					

SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT	REMARKS
h.	MISCELLANEOUS ELECTRICAL WORKS					
	Rate in words :-					
	Making Arrangements for Temporary Lighting & power arrangements, in due course of project works					
	C. TOTAL OF POINT WIRING					
D	FIXTURES					
	SITC of following concealed / surface mounted fixtures of makes as specified with all fixture accessories like suitable tubes/ bulbs/ ballast & internal wiring etc. The contractor has to assemble & install the said fixtures at position with necessary hardware required for installation like S-hook, chain link etc. as per requirement.					
1	LED tube lights	No	30.00			
	Rate in words :-					
	SITC 1200/600 mm Long Surface/Wall Mounted extruded Aluminium channels, with 22 w / 11 w LED Tube light fixtures complete					
	Make : Philips / Crompton / Wipro / Bajaj Model : BN021 LED25S 6500 PSU GR S1					
2	12 w Down lighter with LED	No	20.00			
	Rate in words :-					
	SITC 12 w White Powder Coated Housing LED Round / Square Down Lighter with High Efficiency LEDs & Ballasts					
	Make : Philips, Model : DN191B LED6S-6500 PSU WH S1, DN097B LED10S-6500 PSU WH					
	Make : Crompton, Model : PEARL LSCRM-12W-CDL, LSCSM-12W-CDL					
	Make : Wipro, Model : CRDL10R010HP60 11 W					
3	18 / 22 w Down lighter with LED	No	55.00			
	Rate in words :-					
	SITC 18 w White Powder Coated Housing LED Round / Square Down Lighter with High Efficiency LEDs & Ballasts					
	Make : Philips, Model : DN193B LED12S-6500 PSU WH S1					
	Make : Crompton, Model : PEARL LSCRM-18W-CDL, LSCSM-18W-CDL/NW/WW					
	Make : Wipro, Model : CRDL10R015HP40 17W					
4	600 x 600 mm square LED panel fittings	No	105.00			
	Rate in words :-					
	SITC 38 w LED Panel of 600mm X 600mm size, Square, Powder coated Recess mounting LED Light Fitting					
	Make : Philips, Model : RC380B G2 LED28S / RC140B G2 LED31S-6500 PSE OD WH					
	Make : Crompton, Model : LCTLR-36-CDL 38 w, LCPL-36-TL(2X2)					
	Make : Wipro, Model : CRCO10R038HPP57 38 w					
5	Fans					
	Supplying & Installing following mentioned Aluminum, medium duty, powder coated with glossy color Ceiling Fans / Wall Fans / Exhaust Fans with necessary clamps hook, bracket, hardware etc					
a.	SITC 1200 mm sweep Ceiling fans Complete with Mounting rod, Clamps, Locking pin etc. (Color -White / Ivory / Brown)	No	1.00			
	Rate in words :-					
b.	SITC 600mm / 900 mm sweep Ceiling fans Complete with Mounting rod, Clamps, Locking pin etc. (Color -White / Ivory / Brown)	No	1.00			for Guard Room
	Rate in words :-					
c.	SITC 400 mm sweep Wall fans (Color -White / Ivory)	No	6.00			
	Rate in words :-					
d.	SITC 250mm sweep Exhaust fan of decorative plastic body & blade with louvers on the outside (Color-white / ivory / brown / black)	No	4.00			
	Rate in words :-					

SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT	REMARKS
9	Rope LED Light fittings	Rmt	100.00			
	Rate in words : -					
	SITC 72 w LED Strip Light					
	Make : Havells, Model : Endura LHJD02072398					
	Make : Wipro Model : Garnet 5050 D 45065					

SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT	REMARKS
10	LED Driver	No	20.00			
	Rate in words : -					
	SITC appropriate driver for LED Strip Light					
	Make : Havells, Model : driver : LHBD06100274					
	Make : Wipro Model : driver : LHBD06100274					
	D. TOTAL OF FIXTURES					

E	FLOOR RACEWAYS, CONDUITS					
1	PVC conduits					
	Supply and fixing the following sizes of PVC medium grade ISI marked conduits (IS : 9537 Part-III) complete with accessories such as bends, junction boxes, pull boxes etc., in recess or on surface including cutting chases in the walls/floors & making good the same complete as required.					
a.	25 mm size 2.0mm wall thickness	Rmt	200.00			
	Rate in words : -					
b.	32 mm size 2.0mm wall thickness	Rmt	20.00			
	Rate in words : -					
c.	75 mm x 75 mm PVC box type trunking	Rmt	20.00			
	Rate in words : -					
2	Floor Raceways					
	Supplying & Installing floor - raceways consisting of following sizes of 2mm thick rectangular aluminium anodized box, box sections including chasing and refilling as per the route shown in the drawing and as approved by consultant at site including clamping at every open pipe ends by suitable plastic end covers against entry of dust or any material.					
a	50 x 38 mm Aluminium raceways, 2 mm thick.	Rmt	210.00			
	Rate in words : -					
3	JUNCTION BOXES					
	Supplying & Installing Galvanised floor junction boxes, fabricated out of 2.5 mm thick G.I. sheet with proper cutouts on the sides for pipe entry complete with SS brushed finish 14 SWG (2mm Thick) cover with rubber gasket, properly fixed with countersunk screws & top cover should have suitable knockouts for flexible conduit outlets as per requirements					
a	200 mm x 200 mm x 50 mm, 2 mm thick. Floor junction Box	No	15.00			
	Rate in words : -					
b	300 mm x 300 mm x 50 mm, 2 mm thick. Floor junction Box	No	21.00			
	Rate in words : -					
	E. TOTAL OF FLOOR RACEWAYS, CONDUITS					

F	EARTHING SYSTEM					
1	Plate Earthing					
	S & I of Earthing Pit / Earth Electrode Station into the true ground level by using GI / Copper Plate type earthing with necessary excavation in soft soil, including Pouring Charcoal & Salt (Approximately) 50kg each per Pit with Pre-drilled 50mm dia B class GI Pipe-2.5 Mtr In length, GI Funnel with wiremesh, 35 x 5mm GI/Cu Earthing Strip, Complete job with necessary construction of appropriate sized Earthing PIT masonry Chamber with providing CI hinged chamber cover, Nutbolts, Earthing Testing Link, Hardware, Numbering of Chamber by using water proof paint. For more details refer IS 3043-1987 Brazing for Cu & Welding for GI Plate to pipe & Strip shall be done with coating by anti-corrosive paint					

SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT	REMARKS
	a. GI Plate earthing.	No	1.00			
	Rate in words : -					
	GI earthing pit made up of 600 x 600 x 6 mm thick, Hot dipped galvanized electrode including 25 x 5 mm the. GI strip.					
	b. CU Plate earthing.	No	2.00			
	Rate in words : -					
	Copper earthing pit made up of 600 x 600 x 3 mm thick, copper electrode including 25 x 5 mm Copper strip.					
2	Earthing Wires					
	SITC of insulated copper earthing wire laid through 20 mm PVC conduits from separately made earth pit to the equipment in following sizes					
	a. 8 SWG cu bare wire for Meter, DG, & Panels	Rmt	75.00			
	Rate in words : -					
	b. 12 SWG cu bare wire for AC's & DBs	Rmt	200.00			
	Rate in words : -					
	c. 25mm x 5 mm thick GI strip	Rmt	25.00			
	Rate in words : -					
	d. 6 sqmm FRLS PVC insulated multithreaded flexible copper	Rmt	25.00			
	Rate in words : -					
	e. 10 sqmm FRLS PVC insulated multithreaded flexible copper	Rmt	25.00			
	Rate in words : -					
3	Main Earth Bus	No	2.00			
	Rate in words : -					
	Supplying & Installing of Main bus for isolated earth comprising of 200mm x 40mm x 6mm thick copper bar fixed on insulated support and having 20 nos of holes and nut bolts studs for clamping the earth leads,all contained in MS/PVCbox of size 300mm x 200mm x 50mm deep and having transparent acrylic inspection cover as approved by Bank / Architect.					
	F. TOTAL OF EARTHING SYSTEM					
G	MUSIC / P.A. SYSTEM					
1	Speaker points	No	16.00			
	Rate in words : -					
	Providing and laying Speaker Point for music - cum PA system comprising of 2x 1.0 sqmm (70/36 size) stranded Twin Twisted, flexible copper conductor, PVC insulated & PVC Sheathed wire pulled through 20 mm dia .PVC heavy gauge conduits and looped from one speaker to other and to the volume control and control switch					
2	Speakers					
	Supplying & Installing Bosch / Philips make, 6 / 8 watt, Round speaker flush mounted on the false ceiling complete with line matching transformer, with proper clamping arrangement	No	16.00			
	Rate in words : -					

SR. NO.	ITEM	UNIT	QTY	RATE	AMOUNT	REMARKS
3	Volume Controls					
	Supplying & Installing of volume control - cum - ON - OFF switch flush mounted on wall along with other electrical switches .The size and plate of the regulating knob should match with other switches	No	6.00	300.00	1,800.00	
	Rate in words :-					
G. TOTAL OF MUSIC CUM PA SYSTEM						

H	TELEPHONE / VOICE CABLING AND OUTLETS					
1	Telephone points	No	30.00			
	Rate in words :-					
	Providing and laying 2 Pair Grey Color 0.5mm Tinned Cu , PVC insulated cable for Telephone / Voice in existing raceways / pvc rigid conduits for voice and Supplying & terminating with RJ-11 Telephone Jack / Outlet with face plates in suitable modular PVC / MS box from EPABX / Krone Tag Box to individual work stations and terminate the other on a 10 pair Krone module installed in a Krone Tag box, complete with numbering of each cable with Ferule and Telephone Connection Chart					
2	Telephone cables					
	Providing, laying and connecting PVC insulated copper telephone cable, laid through PVC Conduits of following sizes including termination in approved manner.					
a	10-pair x 0.5 mm size Telephone cable, for MTNL / BSNL mains	Rmt	25.00			
	Rate in words :-					
b	20-pair x 0.5 mm size Telephone cable, for Floor EPABX lines interconnections	Rmt	25.00			
	Rate in words :-					
3	Telephone krone tag box					
	Providing and fixing of Telephone Krone Tag box of following sizes housed in a Powder coated GI box with lockable cover of suitable size including termination					
a.	20 pair Krone Tag box, for MTNL / BSNL / floor EPABX terminations	No	3.00			
	Rate in words :-					
b.	30 pair Krone Tag box,	No	0.00			
	Rate in words :-					
c.	50 pair Krone Tag box, for Main EPABX terminations	No	1.00			
	Rate in words :-					
d.	100 pair Krone Tag box,	No	0.00			
	Rate in words :-					
G. TOTAL OF TELEPHONE SYSTEM						