

BILL OF QUANTITIES

MAIN SUMMARY

S.NO.	DESCRIPTION	AMOUNT (Rs.)
1	CONDUITS & PIPES	
2	DISTRIBUTION BOARDS	
3	LOW VOLTAGE CABLES AND WIRES	
4	WIRING ACCESSORIES	
5	LIGHTING FIXTURES & FANS	
6	WIRING FOR LIGHTS, FANS & SOCKETS	
7	EARTHING SYSTEM	
8	VOICE COMMUNICATION SYSTEMS (Passive Equipment Only)	
9	CABLE TELEVISION SYSTEM (CATV)	
	TOTAL AMOUNT CARRIED TO GRAND SUMMARY	

BILL OF QUANTITIES

S.NO.	DESCRIPTION	QTY	UNIT	RATE (Pak Rs.)	AMOUNT (Pak Rs.)
1	<u>CONDUITS & PIPES</u>				
a)	Supply and installation of following size internal diameter PVC / uPVC Class-D pipe / Flexible PVC Conduit as race ways with all accessories, recessed / surface on wall / column / under floor, as per drawings and specifications, complete in all respect.				
i	25 mm dia PVC Conduit	5	Rm.		
ii	32 mm dia PVC Conduit	5	Rm.		
iii	38mm dia uPVC Pipe (Class-D)	5	Rm.		
iv	2x50mm dia uPVC Pipe (Class-D)	40	Rm.		
b)	Supply and installation of following size UPVC Pipe Class-D / Road Crossing Sleeves Class-D for Power and Telecommunication Cable (copper / optic fiber). Buried in ground / under roads / under floor as per specification, including excavation for laying of pipe, bricks, warning tape and backfilling with new and fresh sand (6" under and 6" above pipe) etc., (wherever required), as shown on the specifications and drawings, complete in all respect.				
i	2x50mm dia uPVC Pipe (Class-D)	5	Rm.		
c)	Supply and installation of Pull Boxes (Floor / Wall) 16 SWG, Size 300mm x 150mm with all installation accessories, as per drawings, specifications and approved brands, complete in all respect.	2	No.		
d)	Providing and Construction of Manhole Size 2'-0" x 2'-0" x 2'-0" deep, 6"thick, concrete 1:2:4 ratio with 2' round heavy duty cast iron cover, 100% water proof, as per specification as shown on the drawing, as per drawings and specification etc., complete in all respect.	2	No.		
e)	Providing and Construction of Handhole Size 1'-6" x 1'-6" x 1'-6" deep, 6"thick, concrete 1:2:4 ratio with 1'-6" round heavy duty cast iron cover, 100% water proof, as per specification as shown on the drawing, as per drawings and specification etc., complete in all respect.	1	No.		
	<i>Amount Carried to Summary</i>				

BILL OF QUANTITIES

S.NO.	DESCRIPTION	QTY	UNIT	RATE (Pak Rs.)	AMOUNT (Pak Rs.)
5	<u>LIGHTING FIXTURES & FANS</u>				
a)	Supply, installation, testing and commissioning of following Light fixtures complete with starters, Electronic ballast (unless mention otherwise), lamps, lamp holders, drivers, mounting accessories etc., as per drawings and specifications, complete in all respects. Lighting fixtures sample must be submitted to consultant for approval. Note: Refer light fixtures drawings for complete light fixtures details.				
i	Suspended Ceiling mounted LED Chandelier Light Fixture with 100W LED lamp	1	No.		
ii	Surface Ceiling mounted LED Downlight Fixture (IP-20), PF>0.9, 4000K with Aluminum Profile housing and 1x25W LED lamp	71	No.		
iii	Surface Ceiling mounted LED Downlight Fixture (IP-44), PF>0.9, 4000K with Aluminum housing and 1x10W LED lamp	11	No.		
iv	Wall / Surface mounted LED Wall Light Fixture (IP-20), PF>0.9, 4000K with Aluminum housing, Glass cover and 1x25W LED lamp	16	No.		
v	Wall / Surface mounted LED Wall Light Fixture (IP-54), PF>0.9, 3000K with Polycarbonate housing and 1x10W LED lamp	65	No.		
vi	Wall mounted LED Mirror Light Fixture (IP-44) with 1x8W LED lamp	4	No.		
vii	In Floor mounted LED Spike Planter Light Fixture (IP-65), PF>0.8, 3000K with Polycarbonate housing and 1x7W LED lamp	2	No.		
b)	Supply, installation, testing and commissioning of following types of fan / Bell, including all connecting accessories, flexible wire etc. as per drawings and specifications, complete in all respects.				
i	56" dia Sweep Ceiling Fan complete with hook	12	No.		
ii	48" dia Sweep Ceiling Fan complete with hook	1	No.		
iii	24" dia Sweep Wall Bracket Fan	1	No.		
iv	8" dia Exhaust Fan	9	No.		
v	Door Bell Unit (Bell Chime)	1	No.		
	<i>Amount Carried to Summary</i>				

BILL OF QUANTITIES

S.NO.	DESCRIPTION	QTY	UNIT	RATE (Pak Rs.)	AMOUNT (Pak Rs.)
6	<u>WIRING FOR LIGHTS, FANS & SOCKETS</u>				
a)	Supply, laying, tagging, testing and commissioning of Circuit wiring from DB to Switchboard including wiring between switch on the same circuit with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	10	No.		
b)	Supply, laying, tagging, testing and commissioning of Point wiring from Switch Board to Light/fan/bell Point with 3x1.5 sq.mm. single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	91	No.		
c)	Supply, laying, tagging, testing and commissioning of Point wiring from Light point to Light point with 3x1.5 sq.mm. single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawing and specification, complete in all respect.	58	No.		
d)	Supply, laying, tagging, testing and commissioning of Circuit wiring from DB to 1st. light point with 2x2.5 sq.mm. + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawings and specifications, complete in all respect.	3	No.		
e)	Supply, laying, tagging, testing and commissioning of Point wiring from Light Point to Light Point with 3x1.5 sq.mm. single core copper conductor PVC insulated wires in 3/4" dia PVC conduit, surface / recessed in wall, column, ceiling etc., including with all conduit accessories, as per drawings and specifications, complete in all respect.	42	No.		
f)	Supply, laying, tagging, testing and commissioning of wiring for 13A Switch Socket outlet with 2x2.5 sq.mm + 1x2.5 sq.mm as ECC single core copper conductor PVC insulated wires in 25mm dia PVC conduit, surface / recessed in wall, column, ceiling, under floor etc., including with all conduit accessories, as per drawing and specification, complete in all respect.				
i	DB to Socket outlet	8	No.		
ii	Socket outlet to Socket outlet	30	No.		

[illegible]

BILL OF QUANTITIES

S.NO.	DESCRIPTION	QTY	UNIT	RATE (Pak Rs.)	AMOUNT (Pak Rs.)
8	<u>VOICE COMMUNICATION SYSTEMS (Passive Equipment Only)</u> Supply, installation, testing and commissioning of following items for Voice Communication System, described below including all accessories, complete with mounting brackets, installation accessories, wiring etc. as per drawings and specifications, complete in all respect.				
a)	Supply, installation, testing and commissioning of Single RJ-45, Cat-6 outlet for Voice with shutter type and 16 SWG back box including tagging, as per drawing and specification, complete in all respect.	7	No.		
b)	Supply, laying, termination, testing and commissioning of CAT 6 - 4 pair cable for Single RJ-45 outlet (for Voice) in 25mm dia PVC conduit concealed / surface from each outlet to TJB, including tagging and piping with all necessary accessories, complete in all respect.	115	Rm.		
c)	Supply, installation, testing and commissioning of CAT-6 UTP (RJ-45 to RJ-45) for the above Patch Panels including with all necessary accessories, as per drawing and specification, complete in all respect.				
i	CAT-6 (2m) Long Patch Cord	7	No.		
d)	Supply, installation, testing and commissioning of following 19" Tag blocks in Telephone Junction Box (TJB), as per drawing and specification, complete in all respect.				
i	TJB-VC with 1x10 Pair IDC Block 19" type	1	No.		
e)	Installation, testing and commissioning by Manufacturer Authorized Agent / Dealer and handing over complete Voice & Data System to Owner with Providing Training voice data fuke & OTDR Testing, as build drawing, Rack layouts and certification's Principal, complete equipment's Manual and Warranty Documents to Owners representative.	1	Job.		
	<i>Amount Carried to Summary</i>				

