

BILL OF QUANTITIES (ELV)					
NAME OF WORK: CONSTRUCTION OF ADMINISTRATIVE OFFICE BUILDING FOR DEENDAYAL PORT AUTHORITY, KANDALA					
Sl. No.	Description	Qty.	Unit	Rate	Amount
				(₹)	
1.00	CAT 6A CABLE				
	M & L for RoHS compliant and UL listed category 6A, 4 pair F/UTP (shielded) LSZH 23 AWG twisted pair cable, having bare copper conductor, polyolefin insulation, LSZH jacket, aluminum / polyester shield (tape), characteristic impedance 100 \pm 15% Ω , maximum DC resistance 7.8 Ω /100 m, maximum delay skew 45 ns, normal velocity of propagation (NVP) 69%, maximum operating voltage 80 V, segregation Class c, fully compliant with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A complete all as specified and directed by the engineer-in-charge.				
1.01	Supply of CAT 6A Cable	32450	RM		
1.02	Labour for CAT 6A Cable	32450	RM		
2.00	RG6 COAXIAL CABLE				
	S & F RG 6 coaxial cable having solid electrolytic grade annealed plain copper central condutor of 1.02mm nominal diameter, gas injected physical polythylene foam insulated, wrapped with aluminium mylar tape aluminium alloy wire braided, jelly flooded and PVC jacketed including termination complete all as specified and directed by the engineer-in-charge.				
2.01	Supply of RG6 coaxial cable	3050	RM		
2.02	Labour for RG6 coaxial cable	3050	RM		
3.00	RG11 COAXIAL CABLE				
	S & F RG 11 coaxial cable having solid electrolytic grade annealed plain copper central condutor of 1.63mm nominal diameter, gas injected physical polythylene foam insulated, wrapped with aluminium mylar tape aluminium alloy wire braided, jelly flooded and PVC jacketed including termination complete all as specified and directed by the engineer-in-charge.				
3.01	Supply of RG11 coaxial cable	500	RM		
3.02	Labour for RG11 coaxial cable	500	RM		
4.00	INFORMATION OUTLETS				
	S & F modular type 1 module RJ 45 socket with shutter, compatible with CAT 6A cable, complete all as specified and directed by the engineer-in-charge.				
4.01	Supply of modular type 1 module RJ 45 socket with shutter	1219	Each		

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4.02	Labour for modular type 1 module RJ 45 socket with shutter	1219	Job		
5.00	TV SOCKET				
	S & F modular type 1 module TV co-axial socket complete all as specified and directed by the engineer-in-charge.				
5.01	Supply of modular type 1 module TV co-axial socke with shutter	70	Each		
5.02	Labour for modular type 1 module TV co-axial socke with shutter	70	Job		
6.00	COVER PLATE				
	S & F factory made screwless, dust proof cover plates having superior finish, rounded corners, and solid strength supported by plastic frame behind with flexible wall alignment, horizontal adjustment facility complete all as specified and directed.				
6.01	Supply of 1 module cover plate	70	Each		
6.02	Labour for 1 module cover plate	70	Job		
7.00	MODULAR GI ENCLOSURE				
	S & F factory made not less than 1.2 mm thick sunken, modular flush sheet galvanized metal enclosure haing zinc coating not less than 120 GSM, , conforming to IS 14772: 2000, having top, bottom, side and back-wall knockouts for conduit entry from any direction, suitable modular cover-plates complete all as specified and directed by the engineer-in-charge.				
7.01	Supply of 1/2 module GI enclosure	70	Each		
7.02	Labour for 1/2 module GI enclosure	70	Job		
8.00	UNDERFLOOR RACEWAY				
	Supply, installation, testing and commissioning of Metal / GI raceways and junction boxes for screed floors, compatible with CAT 6A structured cabling system and suitable for applications requiring EMC screening, conforming to EN 60-670 & EN 50 085-2-2 for distributing LV and ELV cabling in screed floors installations along with all accessories complete all as specified and directed by the engineer-in-charge.				
8.01	Supply of Metal / GI Raceways of size 50 mm X 38 mm-1 compartment made of pre-galvanized sheet with thickness of 1.5 mm, consisting of body & openable cover (fitted on the body with screws) having IP20 and IK 08 protection	900	RM		
8.02	Labour for Metal / GI Raceways of size 50 mm X 38 mm-1 compartment made of pre-galvanized sheet with thickness of 1.5 mm, consisting of body & openable cover (fitted on the body with screws) having IP20 and IK 08 protection	900	RM		

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8.03	Supply of Metal / GI Raceways of size 225 mm X 38 mm- 1 compartment made of pre-galvanized sheet with thickness of 1.5 mm, consisting of body & openable cover (fitted on the body with screws) having IP20 and IK 08 protection	800	RM		
8.04	Labour for Metal / GI Raceways of size 225 mm X 38 mm- 1 compartment made of pre-galvanized sheet with thickness of 1.5 mm, consisting of body & openable cover (fitted on the body with screws) having IP20 and IK 08 protection	800	RM		
8.05	Supply of Metal / GI Raceways of size 300 mm X 38 mm- 1 compartment made of pre-galvanized sheet with thickness of 1.5 mm, consisting of body & openable cover (fitted on the body with screws) having IP20 and IK 08 protection	250	RM		
8.06	Labour for Metal / GI Raceways of size 300 mm X 38 mm- 1 compartment made of pre-galvanized sheet with thickness of 1.5 mm, consisting of body & openable cover (fitted on the body with screws) having IP20 and IK 08 protection	250	RM		
8.07	Supply of brackets for fixing raceways on the floor for 50 mm X 38 mm size	900	Each		
8.08	Labour for brackets for fixing raceways on the floor for 50 mm X 38 mm size	900	Job		
8.09	Supply of brackets for fixing raceways on the floor for 225 mm X 38 mm size	800	Each		
8.10	Labour for brackets for fixing raceways on the floor for 225 mm X 38 mm size	800	Job		
8.11	Supply of brackets for fixing raceways on the floor for 300 mm X 38 mm size	250	Each		
8.12	Labour for brackets for fixing raceways on the floor for 300 mm X 38 mm size	250	Job		
8.13	Supply of height adjustable junction box of size 150 X 150 X 50-70 mm for direct access to cables at the intersection of raceways	280	Each		
8.14	Labour for height adjustable junction box of size 150 X 150 X 50-70 mm for direct access to cables at the intersection of raceways	280	Job		
8.15	Supply of height adjustable junction box of size 225 X 225 X 50-70 mm for direct access to cables at the intersection of raceways	130	Each		
8.16	Labour for height adjustable junction box of size 225 X 225 X 50-70 mm for direct access to cables at the intersection of raceways	130	Job		
8.17	Supply of height adjustable junction box of size 300 X 300 X 50-70 mm for direct access to cables at the intersection of raceways	70	Each		

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8.18	Labour for height adjustable junction box of size 300 X 300 X 50-70 mm for direct access to cables at the intersection of raceways	70	Job		

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8.19	Supply of Flush mounting floor boxes for concrete, 3 moddule, conforming to EN 60.670-1, having IP20 & IK07 protection and three knockouts for 20 mm NB conduits	70	Each		
8.20	Labour of Flush mounting floor boxes for concrete, 3 moddule, conforming to EN 60.670-1, having IP20 & IK07 protection and three knockouts for 20 mm NB conduits	70	Job		
9.00	M & L for 20 mm NB rigid non-metallic PVC conduit, conforming to IS: 9537 (Part 3)- 1983, inclusive of boxes (junction / terminal), all tees, bends, elbows, reducers, bell mouth tube ends and fixing accessories such as couplers, lock nuts, saddles, pipe hooks etc. concealed in wall / ceiling / floor screed complete all as specified and directed by engineer-in-charge.				
9.01	Supply of 25mm PVC conduit pipe	300	RM		
9.02	Labour of 25mm PVC conduit pipe	300	RM		
TOTAL					