



















## BILL OF QUANTITIES

Item No.	Description	Qty	Unit	Material Cost	Equipment Cost	Labor Cost	Estimated Direct Cost	Mark-ups in Percent		Total Mark Up		VAT	Total Indirect Cost	Total Cost	Unit Cost
								OCM	Profit	%age	Value				
								7	8	9	10				
		1	2	3	4	5	6			11	12	13	14		
										5% x (6+ 10)	10+ 11	6 + 12	(13) / (1)		
24.8.2	Hardwares and Consumables(Butane, Cutting Discs, Drill Bits, Electrical Tapes, Mica tubes, and other necessary items to be consumed to assure correct installations of Panels, conduit runs and wiring devices)	1.00	lot												
24.8.3	Concrete Encasement	1.00	lot												
24.8.4	Concrete Pedestal/Private Pole (Inclusive of Cast in Place Co	-	lot												
24.9	Testing and Commissioning	1.00	lot												
<b>Other work items not mentioned in item 23.0 but necessary to complete (Please identify)</b>															
<b>25.0</b>	<b>COMMUNICATIONS</b>														
<b>25.A</b>	<b>Telephone and Data Structured Cabling</b>														
25.1	Equipment	3.00	units												
25.1.1	Intermediate Distribution Frame (Inclusive of Patch Panels, Netwok Switches, PoE Switches, Patch Cords and other accessories for complete installation)	1.00	Units												
25.1.2	Telephone Terminal Cabinet(TTC) ( patch panel, switches, hubs, cable managers, cords and other necessary accessories to complete installation)	1.00	Units												
25.1.3	Uninterruptible Power Supply (UPS)	1.00	Units												
25.2	Wires, Raceways, Boxes	1.00	lot												
25.2.1	4PR Cat6 UTP Cable	860.00	lm												
25.2.2	25mm Dia PVC	50.00	lgth												
25.2.3	20mm Dia PVC	42.00	lgth												
25.2.4	Conduit Connectors and Fittings	1.00	lot												
25.2.5	Utility Box	22.00	Set/s												
25.2.6	Pull Box 4" X 6" X 6"	1.00	Set/s												
25.3	Wiring Devices	24.00	sets												
25.3.1	Data Outlet (Wall or Furniture Mounted)	20.00	Set/s												
25.3.2	Telephone/Data Outlet (FloorMounted)	2.00	Set/s												
25.3.3	Telephone/Data Outlet (Wall or Furniture Mounted)	2.00	Set/s												
25.4	Miscellaneous	1.00	lot												
25.4.1	Connecting cords,devices and adapters	1.00	lot												
25.4.2	Hangers and Supports (Steel Rods, Expansion Bolts, Strut-Channels, Conduit Straps, and other necessary items to support installations of distribution frames, wiring boxes, conduit runs and wiring devices)	1.00	lot												
25.4.3	Hardwares and Consumables(Butane, Cutting Discs, Drill Bits, Electrical Tapes, Mica tubes, and other necessary items to be consumed to assure correct installations of Distribution Frames, Telephone Cabinets, conduit runs and wiring devices)	1.00	lot												
<b>25.B</b>	<b>VIDEO SURVEILLANCE (CLOSED CIRCUIT TELE-VISION)</b>														
25.5	Wires/Cables, Raceways, Boexes	1.00	lot												
25.5.1	4PR Cat6 UTP Cable	300.00	lm												
25.5.2	20mm Dia PVC	72.00	lgth												
25.5.3	15mm Dia Flexible Metallic Conduit	5.00	mtrs												
25.5.4	15mm Dia Flexible Metallic Conduit Connector	10.00	pcs												
25.5.5	Conduit Connectors and Fittings	1.00	lot												
25.5.6	Junction Box	10.00	Set/s												
25.5.7	Pull Box 4" X 6" X 6"	1.00	Set/s												
25.6	Devices	10.00	sets												
25.6.1	Dome Type IP Camera, PoE Ready (with Mounting Base)	10.00	Set/s												
<b>Other work items not mentioned in item 25.0 but necessary to complete (Please identify)</b>															
<b>26.0</b>	<b>ELECTRONIC SAFETY AND SECURITY</b>														
<b>26.A</b>	<b>FIRE DETECTION AND ALARM SYSTEM</b>														
26.1	Wires, Raceways, Boxes	1.00	lot												
26.1.1	#16 AWG Shielded Circuit Integrity Cable (CIC)	250.00	lm												
26.1.2	25 mm Dia IMC	65.00	lgth												
26.1.3	15mm Dia Flexible Metallic Conduit	8.00	mtrs												
26.1.4	15mm Dia Flexible Metallic Conduit Connector	16.00	pcs												
26.1.5	Conduit Connectors and Fittings	1.00	lot												
26.1.6	Junction Box	16.00	Set/s												
26.1.7	Utility Box	7.00	Set/s												
26.2	Wiring Devices	23.00	sets												
26.2.1	Addressable Smoke Detector	16.00	Set/s												
26.2.2	Manual Call Point	3.00	Set/s												
26.2.3	Horn and Strobe Light	4.00	Set/s												
<b>Other work items not mentioned in item 26.0 but necessary to complete (Please identify)</b>															

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		1	2	3	4	5	6	7	8	9	7+8	5% x (6+ 10)	10+ 11	6 + 12	(13) / (1)
<b>Grand Total Cost</b>															

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