

SUBJECT : DETAILED COST ESTIMATE

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5	125 mm² THHN/THWN Wire	840	m
6	3.5 mm² THW Wire	4	box
7	22 mm² THW Wire	38	box
8	80 mm² THW Wire	280	m
D.4	CONDUITS AND FITTINGS		
D.4.1	uPVC Conduits		
1	15 mm dia. (1/2")	72	length
2	20 mm dia. (3/4")	110	length
3	50 mm dia. (2")	12	length
4	80 mm dia. (3")	54	length
D.4.2	uPVC Adapter with Locknut and Bushing		
1	15 mm dia.	86	pair
2	20 mm dia.	16	pair
3	50 mm dia.	4	pair
4	80 mm dia.	20	pair
D.4.3	RSC		
1	15 mm dia.	112	length
2	25 mm dia	1	length
3	80 mm dia	20	length
D.4.4	RSC Locknut and Bushing		
1	15 mm dia.	312	pair
2	25 mm dia	2	pair
3	80 mm dia	14	pair
D.5	BOXES AND PULLBOXES		
1	Utility box, ga 16	85	pc
2	Junction box and cover, ga 16	90	pc
3	Square box and cover, ga 16	10	pc
4	Pullbox with concrete base (PB1E to PB4E), (50 cm x 40 cm x 60 cm)	4	assy
D.6	PANELBOARDS, ECBS AND MTS		
1	MDP	1	assy
	M: 400 AT, 3P, 240 V, BO		
	B: 2-70 AT, 3P		
	2-125 AT, 3P		
	1-150 AT, 3P		
	1-225 AT, 3P		
	NEMA 3R, industrial-type, bolt-on, with ground busbar, with provision for lock, surface-mounted		

2	PP1	1	assy
	M: 150 AT, 3P, 240 V, BO		
	B. 2-40 AT, 2P		
	7-30 AT, 2P		
	9-20 AT, 2P		
	NEMA 1, industrial-type main, bolt-on, with ground busbar, with provision for lock, surface-mounted		
3	PP2	1	assy
	M: 50 AT, 3P, 240 V, BO		
	B: 6-15 AT, 2P		
	6-20 AT, 2P		
	NEMA 1, industrial-type main, bolt-on, with ground busbar, with provision for lock, surface-mounted		
4	MCB: 400 AT, 3P, 240 V, NEMA 3R	1	assy
5	ECB: 40 AT, 3P, 240 V, NEMA 3R	3	assy
6	ECB: 30 AT, 3P, 240 V, NEMA 3R	2	assy
7	MTS, 60 A, non-fusible, 240 V, 3 P	1	assy
D.7	TELEPHONE SYSTEM		
1	Telephone outlet, modern plate	5	set
2	Utility box, ga 16	5	pc
3	Telephone jac. Wire, 4C	2	roll
4	15 mm Ø uPVC	10	length
5	15 mm Ø uPVC adafter and locknut	4	pair
6	25 mm Ø uPVC	4	length
7	25 mm Ø uPVC adafter and locknut	2	pair
8	25 mm Ø RSC	19	length
9	25 mm Ø RSC locknuts and bushing	4	pair
10	Telephone terminal cabinet, (45 cm x 50 cm x 15 cm)	2	assy
D.8	LAN SYSTEM		
1	Data outlet, modern plate	37	set
2	Utility box, ga 16	27	pc
3	CAT 5 UTP Wire	6	roll
4	20 mm dia. uPVC	59	length
5	20 mm dia. uPVC adafter and locknut	62	pair
6	25 mm dia. uPVC	4	length
7	25 mm dia. uPVC adafter and locknut	2	pair
8	25 mm dia. RSC	15	length

9	25 mm dia. RSC locknuts and bushing	2	pair
10	LAN cabinet with glass door, (40 cm x 30 cm x 30 cm)	1	set
11	Router with 24 ports	1	set
D.9	FIRE ALARM SYSTEM		
1	Fire Alarm Control Panel, 6 Zones	1	unit
2	Fire Alarm Bell, 230 V	3	unit
3	Fire Alarm Manual Station	3	unit
4	Smoke Detector	28	unit
5	Blinker/Alarm, 230 V	1	set
6	Junction box, ga 19	7	pc
7	Square box, ga 16	2	pc
8	1.25 mm ² TF wire	2	box
9	20 mm dia. RSC	31	length
10	20 mm dia. RSC locknuts and bushing	20	pair
11	Fire extinguisher, ABC	4	unit
12	Fire alarm cabinet, 30 cm x 30 cm x 15 cm	1	assy
D.10	DOOR ACCESS CONTROL SYSTEM		
1	Door access panel, biometric, 12 VDC	3	assy
2	Push-button switch, bypass / door release	3	set
3	Latch solenoid / Magnetic Bolt, 12 VDC	3	set
4	Power supply, 230 VAC input, 12 VDC output, 3 A, 60 Hz	3	set
5	Emergency break glass switch	3	set
6	Chipping and restoration works	1	lot
7	Wires, conduits, accessories, clamps and brackets and testing	1	lot
D.11	WARNING LIGHT SYSTEM		
1	Relocation of existing warning light at existing SSDL including switch, wires and conduits	1	lot
D.12	MISCELLANEOUS		
1	Electrical tape	20	roll
2	G1 pull wire	5	kg
3	Rubber tape	1	roll
4	Epoxy enamel paint	1	gal.
5	Epoxy primer paint	1	gal.
6	Lacquer thinner	1	gal.
7	Paint brush	1	lot
8	Hacksaw blade	15	piece
9	Flexible uPVC conduit	10	lm

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