

SUBJECT : DETAILED COST ESTIMATE

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10	Silicone Sealant	6	Tube
11	1" x 1" G.I Screen (Support for Insulation)	200	sq.m.
12	Miscellaneous	1	lot
B.2.8	Doors and Windows		
1	G.A 16 Single Steel Door (0.90m x 2.10m)	1	set
2	G.A 16 Double Steel Door (1.80m x 2.10m)	2	set
3	Sinle Analok Aluminum Door Frame w/ 1/4" thk Bronze Glass Complete w/ Accessories (0.90m x 2.10m)	4	set
4	Double Frameless Door (1/2" thk Bronze Tempered Glass w/ 1 1/2"Ø x 24" Stainless Steel Handle on both side, Complete w/ Lock and Accessories (1.80m x 2.10m)	1	set
5	Analok Alum. Partition Wall Frame w/ 1/4" thk Bronze Glass (2.00m x 2.80m(H)) w/ CHB Base	1	set
6	Analok Alum. Partition Wall w/ Single Door w/ 1/4" Bronze Glass (2.00m x 2.80m(H)) w/ CHB Base	1	set
7	Analok Alum. Frame w/ 1/4" thk Sliding Bronze Glass Passbox (0.60m x 1.00m) on both face.	1	set
8	Analok Aluminum Fixed Window w/ 1/4" thk Bronze Glass High Window (0.45m x 1.50m)	3	set
9	Analok Alum. Sliding Window w/ 1/4" thk Bronze Glass (1.20m x 2.00m)	1	set
10	Analok Alum. Sliding Window w/ 1/4" thk Bronze Glass (1.20m x 1.00m)	1	set
11	Single Steel Door w/ 1/4" thk Lead Sheet on both face (0.90m x 2.10m)	2	set
B.2.9	Specialty Works		
B.2.9.1	Stainless Steel Handrail w/ Balluster		
1	(0.90m x 6.00m) Stainless Steel	1	set
2	(0.90m x 1.50m) Stainless Steel	2	set
3	(0.90m x 3.00m) Stainless Steel	1	set
4	(0.90m x 1.80m) Stainless Steel	2	set

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7	Installation of PNRI owned compressor	1	lot
D.1.6.2	Supply and Installation of Exhaust Fans		
1	Exhaust fan, 18 in, 230 V, with shutter, wall-mounted, industrial-type (same as existing)	1	set
2	Exhaust fan, 12 in, 230 V, with shutter, wall-mounted, industrial-type (same as existing) including switch and power outlet with chipping and restoration for PVC conduit and wires	2	set
3	Royal cord, No. 14, 3 wire, 250 volts (for exhaust fan)	8	m
4	Timer switch for 2 exhaust fans (24 hour operation)	1	set
D.1.7	Molecular Bio Laboratory (2F)		
D.1.7.1	for ACUs		
	for ACUs		
1	Aircon outlet	1	set
2	Utility box, ga 16	1	pc
3	Junction box, ga 16	1	pc
4	5.5 sq mm THHN/THWN wire	46	m
5	3.5 sq mm THHN/THWN wire	23	m
6	EMT, 20 mm dia	8	length
7	EMT elbow, 20 mm dia	2	pc
8	EMT straight connector with locknut and bushing, 20 mm dia	4	set
9	Concrete chipping and restoration works	1	lot
10	Steel bracket for ACU	1	set
	Sub-total		
D.2	Radioecology Laboratory		
D.2.1	Lighting Fixtures		
1	LED tube, mirrorized reflector, 2 x 18 watts, 120 cm x 60 cm, surface, mounted	12	set
2	LED tube, weatherproof enclosure, 1 x 18 watts, 120 cm x 10 cm, IP65	11	set
3	LED bulb, pinlight enclosure, 9 watts, surface-mounted	7	set

4	LED bulb, pinlight enclosure, 9 watts, recessed-mounted	4	set
5	Exit light, LED lamp-type	2	set
6	Emergency light, LED lamp-type	3	set
D.2.2	Wiring Devices		
1	Switch-single	8	set
2	Switch-2-gang	1	set
3	Switch-3-gang	3	set
4	Convenience outlet, 3-prong, tandem type, 1 250 V, 10 A	17	set
5	Emer. light outlet, 3-prong, 250 V, 10 A	3	set
6	Special purpose outlet, twist lock, 3-prong, 250 V, 10 A	3	set
7	Conv. outlet, floor-mounted, 3-prong, tandem type, 250 V, 10 A	2	set
8	Exhaust fan outlet, 3-prong, 250 V, 10 A	6	set
9	Exit light outlet, 3-prong, 250 V, 10 A	3	set
10	Exhaust fan, 12 in, 230 V, with shutter, ceiling mounted	6	set
11	Telephone outlet, modern plate	1	set
12	Data outlet, modern plate	1	set
D.2.3	Wires and Cables		
1	3.5 mm² THHN/THWN Wire	4	box
2	5.5 mm² THHN/THWN Wire	2	box
3	8.0 mm² THHN/THWN Wire	6	m
4	50 mm² THHN/THWN Wire (main feeder)	180	m
5	60 mm² THHN/THWN Wire (presser)	60	m
6	3.5 mm² THW Wire	2	box
7	5.5 mm² THW Wire	2	m
8	22 mm² THW Wire (main feeder)	60	box
9	22 mm² THW Wire (presser)	20	box
10	Telephone jac. Wire, 4C	1	roll
11	CAT 5 UTP Wire	1	roll
D.2.4	Conduit and Fittings		
	uPVC Conduits		
1	15 mm dia. (1/2")	31	length

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