

SUMMARY OF COST ESTIMATE

CONSTRUCTION OF SECURITY ROOM AT GIKI

Sr. No	DESCRIPTION	AMOUNT (RS)	
A	CIVIL WORK		
i	WORKS (Civil)	Rs	
	Total Amount (A)	Rs	-
B	SERVICES WORK		
i	ELECTRICAL WORKS	Rs	
ii	PUBLIC HEALTH INTERNAL WORKS	Rs	
	Total Amount (B)	Rs	-
	TOTAL AMOUNT (A+B)	Rs	-

SUMMARY OF COST ESTIMATE

CONSTRUCTION OF SECURITY ROOM AT GIKI

CIVIL WORKS

Sr No	DESCRIPTION	Qty	UNIT	RATE (Rs)	AMOUNT (Rs)
	<u>Structure Work</u>				
1	Excavation with excavator for foundations, underground tanks and septic tanks (rectangular or square), in all kinds of soil as per drawings & specifications and directed by engineer incharge.	1,200.00	Cft		
2	Earth filling as in Ordinary or hard soil ,filling in foundation , pipe trenches,wells, independent holes or around plinth etc, with soil obtained from excavation in trenches/over areas within 10m including watering and compaction in 150mm layer and dressing to required profile and shape.	1,500.00	Cft		
	<u>Concrete</u>				
8	Providing and laying of cement concrete (1500 Psi) Cylinder strength at 28 Days as in foundation using crushed or broken stone graded as specified.	120.00	Cft		
9	Providing and laying RCC (3000 Psi) Cylinder strength at 28 Days including lead and lift, using weigh batch, as specified requiring shuttering. Reinforcement to be measured and paid separately.(Reinforcement measured and paid separately).				
i	Beams	135.00	Cft		
ii	Lintel	18.28	Cft		
iii	Stair	20.00	Cft		
10	Providing and laying RCC (3000 Psi) Cylinder strength at 28 Days including lead and lift, using weigh batch, as specified requiring shuttering. Reinforcement to be measured and paid separately.(Reinforcement measured and paid separately).				
i	Foundation	240.00	Cft		
	<u>Brick work</u>				
11	Burnt brick work in wall 9" or 13½" thick laid and jointed in cement mortar 1:6,complete as per drawings all as specified.				
i	Foundation	675.00	Cft		
12	Burnt brick work in wall 4-1/2" thick laid and jointed in cement mortar 1:4,complete as per drawings all as specified.	-			
i	Ground Floor	78.75	Cft		
	<u>Block work</u>				

CIVIL WORKS

Sr No	DESCRIPTION	Qty	UNIT	RATE (Rs)	AMOUNT (Rs)
11	Block work in wall 8" thick laid and jointed in cement mortar 1:5,complete as per drawings all as specified.				
i	Ground Floor	232.97	Cft		
v	Roof (Precast) complete as per drawings all as specified.	920.00	Cft		
15	Providing and laying ribbed deformed steel reinforcement bars with guaranteed minimum yield stress of 40,000 psi with and including the cost of straightening, cutting, bending, binding, leading and lifting, wastage,ms chairs, spacer block for placing in position and such overlaps as are not shown over the drawings,complete all as per drawing and as directed by engineer incharge.	40.00	Kg		
	<u>Plastering</u>				
16	Providing and laying 3/4" thick cement plaster 1:4 on external walls with clean coarse sand, including scaffolding,chiken mesh, curing, finishing etc, complete in all respects as per instructions of the Engineer.	1,600.00	Sft		
17	Providing and laying 1/2" thick cement plaster 1:4 on internal walls & Ceiling with clean coarse sand, including scaffolding,chiken mesh, curing, finishing etc., complete in all respects as per instructions of the Engineer.	2,880.00	Sft		

CIVIL WORKS

Sr No	DESCRIPTION	Qty	UNIT	RATE (Rs)	AMOUNT (Rs)
	<u>Under Flooring</u>				
18	Providing and laying cement concrete (1:4:8) using crushed stone laid in floor slabs as under layer of terrazzo,tiles etc as specified.	210.00	Cft		
19	Providing and laying cement concrete (1:2:4) using crushed stone laid in floor slabs as under layer of terrazzo,tiles etc as specified.	210.00	Cft		
	<u>Finishing Works</u>				
	<u>Doors, Windows and Wood Work</u>				
25	Providing and fixing steel door 18 swg angel iron 2"x2"x1/4 etc complete in all respects.	122.50	Sft		
27	Providing and fixing structural frame steel window Complete in all respects as per drawings and instructions of the Engineer.	100.00	Sft		
36	Providing and laying 1:4 mortar etc, complete in all respects as per drawings or design and engineer incharge.	812.00	Sft		
	<u>Painting & External Finishes</u>				
37	Providing and applying x3 coats of emulsion paint (ICI, Dulux or equivalent) on internal plastered surfaces of Ceiling/ wall at any height including rubbing the wall to smooth finish applying with putty, removing undulations, complete in all respects as specified by the manufacturer and approved by the Engineer Incharge.	2,800.00	Sft		
TOTAL AMOUNT (A)					-

SUMMARY OF COST ESTIMATE

CONSTRUCTION OF SECURITY ROOM AT GIKI

ELECTRICAL WORKS

S. No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
	<u>SECTION - A</u>				
1.00	<u>LT SWITCHGEARS</u>				
1.01	<u>Distribution Boards:</u>				
	Supply installation and commissioning of recessed wall mounting/slab mounted key tagged type Distribution Boards fabricated from 16 SWG sheet steel with electrostatic paint of approved colour and with back box, comprising of incoming 1 phase moulded case circuit breakers or earth leakage circuit breakers (as specified) and outgoing single phase Miniature circuit breakers (having magnetic & thermal trip devices) as given below, complete with internal wiring earthing , neutral link, termination blocks and cable chamber at the top of incoming 1 phase moulded case circuit breakers or earth leakage circuit breakers (as specified) and outgoing single phase Miniature circuit breakers (having magnetic & thermal trip devices) as given below, complete with internal wiring earthing, neutral link, termination blocks and cable chamber at the top of the DB. Each D.B. shall have Digital Voltmeter, Voltmeter / Selector switch, LED Phase indication lights & control fuses on incoming. All breakers & instrumentation and other materials shall be as listed in Annexure "A" it shall be manufactured by any one of the manufacturers as mentioned in Annexure "A" and conforming to single line diagram.				
i.	<u>DBL</u>				
	<u>Incoming: -</u>				
	01-75 Amps 3 pole Moulded Case Circuit Breaker (MCCB), 500-600 Volts, with over load and short circuit protection devices having rupturing capacity not less than 10 KA at 415 V.				

ELECTRICAL WORKS

S. No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
	<u>Outgoings:-</u>				
	5-10/15/20 Amps Single Pole MCBs RC: 6 kA 03- Spaces for future MCBs	1	No.		
	<u>SECTION - B</u>				
2.00	<u>CIRCUIT POINT WIRING</u>				
	Note:- For list of approved manufacturer's see (annexure-A).				
2.01	Supply and wiring of light circuit from DB to switchboard with 2x2.5mmsq single core insulated 300/500 volt grade cables(P+N) and 2.5mmsq cable as protective conductor (PC) in & including PVC conduit installed/ recessed in walls / Slab, on ceiling or as required as per site conditions. Complete with all conduit accessories junction boxes, pull boxes as required complete in all respects as per specifications and drawings.	20	Each		
2.02	Same as item # 2.01, circuit point wiring from switch board to switch board (Loop Circuit).	5	Each		
			Each		
2.05	Supply and wiring of first 2 pin 10 Amps socket outlet point make as approved by consultant (annexure-A) from nearest switch board with single core 2x1.5mmsq PVC insulated 300/500 volt grade cable in & including PVC conduit recessed in walls, or on surface of ceiling including all conduits accessories, junction boxes, pull boxes etc. 2.5mm ² cable as PC ; & including 16 SWG sheet steel board recessed in walls complete in all respects and as per specifications & drawings.	4	Each		

ELECTRICAL WORKS

S. No.	Description	Qty	Unit	Rate (Rs.)	Amount (Rs.)
2.06	Same as item No.2.05 above but wiring of one 15A power sockets outlet with 2x 4mmsq single core cables (P+N) and 2.5 mmsq as CPC from DB to point including cost of one Nos. 15A 3 pin switch socket outlet make as approved by consultant (annexure-A) installed on & including 16 SWG sheet steel boards recessed in walls /columns, Complete in all respects.	5	Each		
	<u>SECTION - C</u>				
4.00	<u>FITTING FIXTURES</u>				
4.01	Providing ,installation ,testing and commissioning of the following lighting fixture including all accessories like electronic ballast, drivery circuitry , lamps, mountings etc. Complete in all respects , make as approved by consultant (annexure-A).				
	i) Down lighter covered with glass with 1x18 Watt SMD.	12	Each		
	ii) Supply and installation of Ceiling light indoor/ outdoor type with 1x12 Watt SMD.	4	Each		
	iii) Supply and installation of plastic body exhaust fan complete with louvered make Lahore Fan/Royal with all necessary accessories complete in all respects . Exhaust fan 12” dia (Plastic Body one way)	2	Each		
	iv) Supply and installation of following types ceiling fan including fan dimmer make CLIPSAL complete in all respects as per specification make Lahore / Royal Fan. 56" sweep ceiling fan	3	Each		
SUB TOTAL SECTION (C)					
Total Carried Over to Summary of Costs Rs.					

ENGINEER ESTIMATE

CONSTRUCTION OF SECURITY ROOM AT GIK UNIVERSITY

PUBLIC HEALTH INTERNAL WORKS

SECTION -A

Sr #	Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	Part-1: PLUMBING FIXTURES				
1.1	Providing and fixing Indain type ceramics ware coupled water closet, white / light colour, including 3 gallons cistern, P/S trap, C.P tee stop cock with wall cups, connection pipes, "DURR or Approved Equivalent", hinged double bacolite seat and cover of best quality, all joints to services and drains, plugging and screwing as necessary to the structure and make good the same, complete in all respect as per specifications and drawings.	Nos.	2		
1.2	Providing and fixing wash hand basin (Durr) complete in all respect as per specifications and drawings.	Nos.	2		
1.3	Providing and fixing C.P. Muslim Shower with double bib cock of best quality, with C.P. flexible pipe of "Porta or Approved Equivalent", complete in all respect as per specifications and drawings.	Nos.	2		
1.4	Providing and fixing 15 mm dia C.P. mixer with C.P pipe 15 mm dia, of "Porta or Approved Equivalent", Porta or approved equal complete including pipe connections, all fittings, testing etc.				
	a) Wash basin mixer	Nos.	2		
	b) Shower mixer	Nos.	2		
1.5	Providing and fixing best quality Sink, complete in all respect as per specifications and drawings	Nos.	1		
1.6	Providing and fixing best quality Drain jelly, complete in all respect as per specifications and drawings	Nos.	1		
	25mm dia	Rft	120		
2.2	Providing and installing ball valves of following nominal dia, DADEX/SCON/KITZ make or approved Equaivalent, including jointing, fitting, painting, testing, complete in all respects to match with PPR and PE pipes of following diameters.				
	32 mm	Nos.	2		
	Part-3: SEWERAGE & DRAINAGE				

SECTION -A

Sr #	Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
3.1	Providing, laying, fixing and testing uPVC soil, waste, vent and rain water as per ISO 3633:1991 or equivalent BS specifications including uPVC fittings with solvent cement jointing or rubber ring joints,DADEX Or Approved Equivalent make as approved by the Engineer complete in all respects, including clamps, bends, tees, Y-tees, cowls, reducers, sleeves, clean out, waterproof sleeves, roof drain, etc., embedded in floors and walls, clamped to walls, suspended from slab (common hanger shall be used for pipe hanging and fiber glass tray under pipes), painted MS horizontal and vertical pipe hangers of approved design making requisite no. of holes and making good the same complete in all respect as per specifications and drawings.				
	2" i.d	Rft	15		
	4" i.d	Rft	90		
3.5	Providing and constructing 2'x2' manhole with brick work including excavation, backfilling, RCC work PCC 1:2:4 cambering, plastering in 1:4 inside & outside, water proofing etc., upto 6' depth and size including ladder top slab, 18" heavy duty C.I. Manhole cover with frame "ALPINE INDUSTRIAL CON", "CME", "NPC SUPER" as shown on the drawings, complete in all respect as per specifications and drawings.	Nos.	2		
3.6	Providing and constructing 9"x9" Gully trap with brick work including excavation, backfilling, RCC work PCC 1:2:4 cambering, plastering in 1:4 inside & outside, water proofing etc., upto 6' depth and size including ladder top slab, 18" heavy duty C.I. Manhole cover with frame "ALPINE INDUSTRIAL CON", "CME", "NPC SUPER" as shown on the drawings, complete in all respect as per specifications and drawings.	Nos.	3		
TOTAL COST OF SECTION - A (Rs.)					